

**NOTICE OF MEETING (•) OF THE
COMMISSIONERS COURT OF JACK COUNTY, TEXAS**

• Assistive Listening Devices Available on Request for Use during Court Session

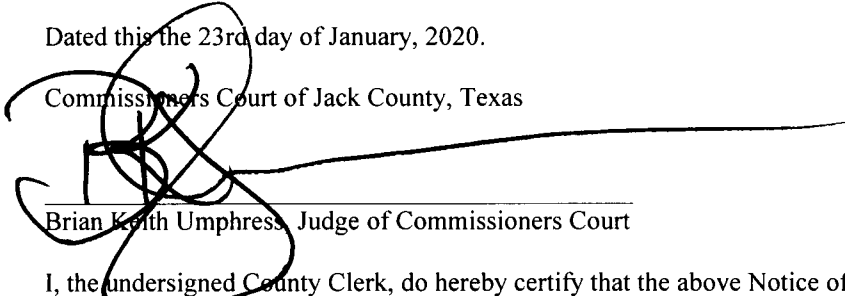
Notice is hereby given that a Meeting of the above named Commissioners Court will be held on **Monday the 27th day of January, 2020 at 10:00 o'clock a.m.**, in the County Courthouse, Jacksboro, Texas, at which time the following subjects* will be discussed and appropriate action taken, to-wit:

These subjects may or may not be discussed in the order shown. All items listed below as part of the called "Consent Agenda Items" require no deliberation by the Court. Each Court member has the prerogative of removing an item from this agenda so that it may be considered separately.

1. PUBLIC FORUM (Limited to 5 minutes per person);
2. Payment of Claims;
3. CONSENT AGENDA ITEMS:
 - (a) Approval of Minutes of Meetings for January 13, 2020;
 - (b) Reception of Certificates of Training Hours for Elected County Official: County Clerk Vanessa James;
4. TIMED AGENDA ITEMS: None;
5. Review of bids for Precinct # 1 Truck Tractor and action on same;
6. Discussion of action on updated Jack County Personnel Policy Manual;
7. Presentation by Jack County 4-H-ers to talk about the Jack County Fair and other programs – Alinda Cox;
8. Discussion of Commissioner Precinct Operations;
9. Reports, if any, by other Department Heads;
10. FUTURE AGENDA ITEMS; AND;
11. ADJOURNMENT.

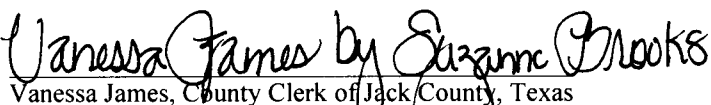
Dated this the 23rd day of January, 2020.

Commissioners Court of Jack County, Texas


Brian Keith Umphress, Judge of Commissioners Court

I, the undersigned County Clerk, do hereby certify that the above Notice of Meeting of the above named Commissioners Court, is a true and correct copy of said Notice, and that I posted a true and correct copy of said Notice on the bulletin board at the Courthouse door of Jack County, Texas, at a place readily accessible to the general public at all times on the 23rd day of January, 2020, and said Notice remained so posted continuously for at least 72 hours preceding the scheduled time of said meeting.

Dated this the 23rd day of January, 2020, at 3:56 p.m.


Vanessa James, County Clerk of Jack County, Texas

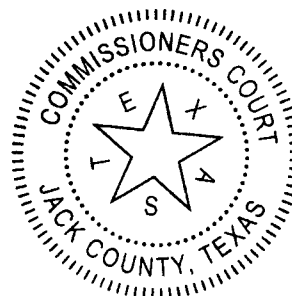
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_____ O'CLOCK _____ M

JAN 23 2020

VANESSA JAMES, County Clerk
JACK COUNTY, TEXAS

BY _____ DEPUTY



MINUTES

On this the 27th day of January, 2020 the Commissioners Court of Jack County, Texas met in Regular Session at 10:05 a.m. with the following elected officials present:

Gary Oliver, Commissioner Pct. 1
James L Brock, Commissioner Pct. 2
Terry Ward, Commissioner Pct. 4
Brian Keith Umphress County Judge

FILED FOR RECORD

____ O'CLOCK ____ M

FEB 10 2020

VANESSA JAMES, County Clerk
JACK COUNTY, TEXAS

PUBLIC FORUM

No members of the public spoke.

BY _____ DEPUTY

PAYMENT OF ACCOUNTS AND CLAIMS

Judge Umphress made a motion to pay all accounts and claims submitted for approval. Commissioner Oliver seconded and the motion passed (4-0).

CONSENT AGENDA ITEMS

- (a) Approval of Minutes of Meeting for January 13, 2020;
- (b) Reception of Certificates of Training Hours for Elected County Official: County Clerk Vanessa James;

Judge Umphress made a motion to approve the Consent Agenda Items. Commissioner Brock seconded and the motion was unanimous (4-0).

TIMED AGENDA

None.

REVIEW BIDS FOR PRECINCT #1 TRUCK TRACTOR AND ACTION IN SAME

Lisa Perry reported that there were two bids received timely from Bruckner for \$109,960.00 and Rush Peterbuilt Truck Center Fort Worth for \$122,325.00. Discussion was made regarding each truck and the options.

Motion was made by Commissioner Oliver to accept the bid from Bruckner for \$109,960.00 adding \$1000 for the Mack rear end and added warranty. Motion was seconded by Commissioner Ward and passed unanimously. (4-0)

DISCUSSION OF ACTION ON UPDATED JACK COUNTY PERSONELL MANUAL

County Auditor, Lisa Perry presented the Commissioner's Court with the proposed wording for the policy. She explained the policy isn't actually changing it is really the wording makes the policy more clear.

Judge Umphress made a motion to adopt the proposed funeral leave policy. Commissioner Brock seconded and the motion was unanimous (4-0).

PRESENTATION BY JACK COUNTY 4-H MEMBERS TO TALK ABOUT THE JACK COUNTY FAIR

Several 4-H members from the County brought food they made for the fair to give to the Court. And each of them told the Commissioner's the different things they made and entered into the fair.

DISCUSSION OF COMMISSIONER PRECINCT OPERATIONS

Commissioners are repairing roads after the rain. A windfarm company has come to meet with the County Judge. They are working in the area.

REPORTS, IF ANY, BY OTHER DEPARTMENT HEADS

County Clerk's Office remodel is going well and looks good.

FUTURE AGENDA ITEMS

ADJOURNMENT

There being no further business motion was made by Commissioner Brock to adjourn.
Commissioner Oliver seconded the motion to adjourn and the motion passed unanimously (4-0)

The meeting was adjourned at 11:11 a.m.



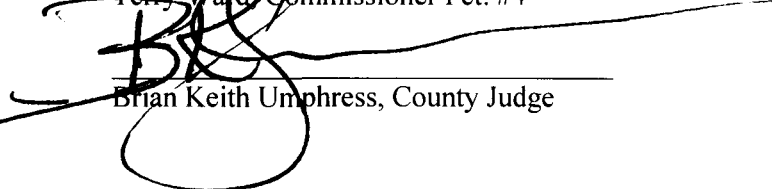
Gary Oliver, Commissioner Pct. #1



James Brock, Commissioner Pct. #2

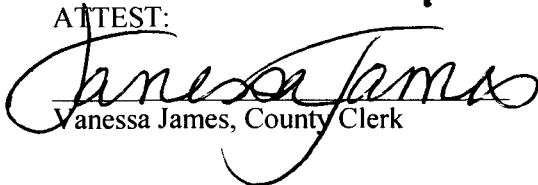


Terry Ward, Commissioner Pct. #4



Brian Keith Umphress, County Judge

ATTEST:



Vanessa James, County Clerk



FOR CHECK DATE FROM 01/27/2020 TO 01/27/2020

EMP#

NAME

GROSS WAGES

OVERTIME

O/T HOURS

THE PRECEDING LIST OF PAYROLL WAS REVIEWED
AND APPROVED FOR PAYMENT BY COMMISSIONER'S COURT.

DATE: 1/27/2020

DATE 1/27/2020

APPROVED BY

[Signature]
[Signature]
Terry Ward
James Bush

Brian Campney Treasurer

RECEIVED
JAN 27 2020
JACK COUNTY AUDITOR
[Signature]

FILED FOR RECORD

____ O'CLOCK ____ M

JAN 27 2020

VANESSA JAMES, County Clerk
JACK COUNTY, TEXAS

BY _____ DEPUTY

FOR CHECK DATE FROM 01/27/2020 TO 01/27/2020

| EMP# | NAME | | | GROSS WAGES | OVERTIME | O/T HOURS |
|---------------------------|----------|----------|---|-----------------|------------|------------|
| DEPARTMENT 010-401 | | | | | | |
| 00075 | TILLERY | DEBRA | A | 1,311.69 ✓ | .00 | .00 |
| 00123 | UMPHRESS | BRIAN | K | 2,823.62 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | | 4,135.31 | .00 | .00 |
| DEPARTMENT 010-403 | | | | | | |
| 00010 | BROOKS | SUZANNE | | 1,311.69 ✓ | .00 | .00 |
| 00036 | JAMES | VANESSA | H | 1,726.81 ✓ | .00 | .00 |
| 00011 | MARTIN | TIFFANY | | 1,249.38 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | | 4,287.88 | .00 | .00 |
| DEPARTMENT 010-409 | | | | | | |
| 00127 | CASTEEL | SELENA | L | 1,311.69 ✓ | .00 | .00 |
| 00144 | SHERRIN | KAITLYN | M | 948.00 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | | 2,259.69 | .00 | .00 |
| DEPARTMENT 010-410 | | | | | | |
| 00105 | HEFNER | FRANKLIN | R | 2,221.15 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | | 2,221.15 | .00 | .00 |
| DEPARTMENT 010-435 | | | | | | |
| 00155 | COLLINS | BRANDI | M | 1,187.92 ✓ | .00 | .00 |
| 00056 | PIPPIN | TRACIE | J | 1,726.81 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | | 2,914.73 | .00 | .00 |
| DEPARTMENT 010-455 | | | | | | |
| 00028 | HESTER | TRACI | | 1,311.69 ✓ | .00 | .00 |
| 00097 | MCLEMORE | SAMANTHA | J | 1,249.38 ✓ | .00 | .00 |
| 00070 | SPURLOCK | STACY | | 1,846.81 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | | 4,407.88 | .00 | .00 |
| DEPARTMENT 010-475 | | | | | | |
| 00004 | BAILEY | JESSICA | | 1,311.69 ✓ | .00 | .00 |
| 00017 | DIXON | MICHAEL | | 3,207.58 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | | 4,519.27 | .00 | .00 |
| DEPARTMENT 010-495 | | | | | | |
| 00142 | CROW | CANDACE | E | 912.16 ✓ | .00 | .00 |
| 00018 | DUNGAN | KIM | M | 1,549.38 ✓ | .00 | .00 |
| 00053 | PERRY | LISA | | 1,815.62 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | | 4,277.16 | .00 | .00 |
| DEPARTMENT 010-497 | | | | | | |
| 00122 | CAMPSEY | BRADLEY | G | 1,726.81 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | | 1,726.81 | .00 | .00 |

FOR CHECK DATE FROM 01/27/2020 TO 01/27/2020

| EMP# | NAME | | GROSS WAGES | OVERTIME | O/T HOURS |
|---------------------------|------------|------------|------------------|------------|------------|
| DEPARTMENT 010-499 | | | | | |
| 00099 | HAUGER | TAMMY | G 1,249.38 ✓ | .00 | .00 |
| 00042 | LOW | BETTY | G 1,311.69 ✓ | .00 | .00 |
| 00136 | OGLE | TRASI | D 1,187.92 ✓ | .00 | .00 |
| 00063 | ROBINSON | SHARON | 1,726.81 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 5,475.80 | .00 | .00 |
| DEPARTMENT 010-510 | | | | | |
| 00003 | ARGO | BENNY | L 1,454.96 ✓ | .00 | .00 |
| 00152 | HOLCOMB | ANDREW | M 930.72 ✓ | .00 | .00 |
| 00057 | REDDING | RHONDA | 1,313.62 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 3,699.30 | .00 | .00 |
| DEPARTMENT 010-551 | | | | | |
| 00079 | WATSON | CLYDE | E 1,812.52 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 1,812.52 | .00 | .00 |
| DEPARTMENT 010-560 | | | | | |
| 00153 | DALE | AMANDA | G 1,225.23 ✓ | .00 | .00 |
| 00020 | FRANCIS | MICHAEL | W 1,782.27 ✓ | .00 | .00 |
| 00024 | HANNAH | ELDON | R 1,507.27 ✓ | .00 | .00 |
| 00030 | HOWARD | JEREMY | M 1,405.81 ✓ | .00 | .00 |
| 00132 | JOLLY | CHRISTOPHE | L 1,530.35 ✓ | .00 | .00 |
| 00108 | JOLLY | JENNY | M 1,302.15 ✓ | .00 | .00 |
| 00138 | LEWIS | ADAM | L 1,870.64 ✓ | .00 | .00 |
| 00043 | MAHAN | TERRY | 1,461.12 ✓ | .00 | .00 |
| 00098 | MARLOW | KEATON | M 1,461.12 ✓ | .00 | .00 |
| 00102 | MCGEE | CODY | S 1,507.27 ✓ | .00 | .00 |
| 00049 | MILLER | TAMMY | 1,655.92 ✓ | .00 | .00 |
| 00055 | PIPPIN | HEATHER | 1,603.24 ✓ | .00 | .00 |
| 00135 | REIS | MARITHEA | E 1,302.15 ✓ | .00 | .00 |
| 00133 | RICHARDSON | JAMES | D 1,507.27 ✓ | .00 | .00 |
| 00069 | SMITH | YVONNE | 1,568.85 ✓ | .00 | .00 |
| 00071 | SPURLOCK | THOMAS | P 2,061.88 ✓ | .00 | .00 |
| 00074 | THOMPSON | JOHNNY | M 1,782.27 ✓ | .00 | .00 |
| 00077 | VANDERKAAY | DAVID | 1,782.27 ✓ | .00 | .00 |
| 00129 | WALDEN | PARKER | W 1,461.12 ✓ | .00 | .00 |
| 00101 | WALLEY | ZACHARY | C 1,513.66 ✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 31,291.86 | .00 | .00 |
| DEPARTMENT 010-561 | | | | | |
| 00012 | BROWNING | RANDIE | 1,302.15 ✓ | .00 | .00 |
| 00088 | CRAYCRAFT | JESSICA | N 1,302.15 ✓ | .00 | .00 |
| 00141 | HOUSE | DANNY | G 1,225.23 ✓ | .00 | .00 |
| 00035 | JACKSON | MONTY | 1,302.15 ✓ | .00 | .00 |
| 00131 | LARIMORE | DONALD | G 1,302.15 ✓ | .00 | .00 |
| 00051 | NEWBY | BRIAN | A 1,672.27 ✓ | .00 | .00 |
| 00052 | NEWBY | MARIE | L 1,412.23 ✓ | .00 | .00 |
| 00093 | PARKER | JULIE | D 1,302.15 ✓ | .00 | .00 |
| 00054 | PHILLIPS | LOWELL | B 1,302.15 ✓ | .00 | .00 |
| 00058 | REGER | CHRIS | 1,845.35 ✓ | .00 | .00 |

FOR CHECK DATE FROM 01/27/2020 TO 01/27/2020

| EMP# | NAME | | GROSS WAGES | OVERTIME | O/T HOURS |
|--------------------|------------|----------|-------------|----------|-----------|
| 00128 | WALDEN | RUSSELL | W 1,263.69✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 15,231.67 | .00 | .00 |
| DEPARTMENT 010-665 | | | | | |
| 00014 | COX | ALINDA | R 655.85✓ | .00 | .00 |
| 00027 | HEFNER | REBEKAH | 1,311.69✓ | .00 | .00 |
| 00045 | MARTIN | CHARLES | 655.85✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 2,623.39 | .00 | .00 |
| FUND TOTALS | | | 90,884.42 | .00 | .00 |
| DEPARTMENT 011-621 | | | | | |
| 00046 | MAXWELL | WINFIELD | 1,394.38✓ | .00 | .00 |
| 00121 | OLIVER | GARY | M 1,815.62✓ | .00 | .00 |
| 00072 | STRICKLAND | JAMES | R 768.00✓ | .00 | .00 |
| 00085 | WILSON | JERRY | 1,394.38✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 5,372.38 | .00 | .00 |
| FUND TOTALS | | | 5,372.38 | .00 | .00 |
| DEPARTMENT 012-622 | | | | | |
| 00008 | BROCK | JAMES | 1,815.62✓ | .00 | .00 |
| 00154 | FOJTIK | CHARLES | E 1,394.38✓ | .00 | .00 |
| 00149 | WILLIAMS | HAROLD | E 384.00✓ | .00 | .00 |
| 00084 | WILSON | DAREL | 1,394.38✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 4,988.38 | .00 | .00 |
| FUND TOTALS | | | 4,988.38 | .00 | .00 |
| DEPARTMENT 013-623 | | | | | |
| 00006 | BIRDWELL | HENRY | D 1,646.81✓ | .00 | .00 |
| 00023 | HADDERTON | LANNY | 1,313.62✓ | .00 | .00 |
| 00039 | KINDER | KENNETH | 1,459.00✓ | .00 | .00 |
| 00156 | MCCOY | JOE | 1,313.62✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 5,733.05 | .00 | .00 |
| FUND TOTALS | | | 5,733.05 | .00 | .00 |
| DEPARTMENT 014-624 | | | | | |
| 00090 | BOUNDS | DARRELL | E 1,394.38✓ | .00 | .00 |
| 00013 | COUFAL | TIMOTHY | 1,459.00✓ | .00 | .00 |
| 00078 | WARD | TERRY | 1,815.62✓ | .00 | .00 |
| DEPARTMENT TOTALS | | | 4,669.00 | .00 | .00 |
| FUND TOTALS | | | 4,669.00 | .00 | .00 |
| GRAND TOTALS | | | 111,647.23 | .00 | .00 |

ALL RECORDS FROM 01/27/2020 TO 01/27/2020 DATE-TO-BE-PAID

APPROVAL PAGE

THE PRECEDING LIST OF BILLS PAYABLE WAS REVIEWED
AND APPROVED FOR PAYMENT BY COMMISSIONER'S COURT.

CO JUDGE UMPHRESS

COMM #1 OLIVER

COMM #2 BROCK

COMM #3 BIRDWELL

COMM #4 WARD

CO TREAS CAMPSEY

DATE

01/27/2020

[Signature]
[Signature]
[Signature]
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[Signature]
[Signature]

FILED FOR RECORD

____ O'CLOCK ____ M

JAN 27 2020

VANESSA JAMES, County Clerk
JACK COUNTY, TEXAS

BY _____ DEPUTY

ACCOUNTS PAYABLE REGISTER

ALL RECORDS FROM 01/27/2020 TO 01/27/2020 DATE-TO-BE-PAID

| VENDOR NAME | ACCOUNT NUMBER | ACCOUNT NAME | ITEM/REASON | INVOICE NUMBER | AP DATE | PD | PO NO | AMOUNT |
|---|------------------|--------------------|---------------------|----------------|----------|----|-------|-------------------------------|
| CIRRA NETWORKS PO BOX 123686 FORT WORTH TX 76121 | 2020 010-570-604 | TELEPHONE | ACCT#19660 STMNT#40 | 01/16-02/15 | 01/23/20 | 04 | | 259.99 ----- 259.99 |
| AMAZON CAPITAL SERVICES PO BOX 035184 SEATTLE WA 98124 | 2020 010-409-901 | OPERATING SUPPLIES | TONER | 1TMG-T7GQ-1PT4 | 01/20/20 | 04 | | 257.07 ----- 257.07 |
| ARCIT 1122 COLORADO ST. STE.10 AUSTIN TX 78701 | 2020 010-400-404 | DUES | 2020 MEMBERSHIP DUE | 2020-1-37 | 01/21/20 | 04 | | 395.00 ----- 395.00 |
| AT&T INTERNET 148853541 PO BOX 5014 CAROL STREAM IL 60197 | 2020 010-400-604 | TELEPHONE | ACCT#148853541 INTE | 01/10-02/09 | 01/23/20 | 04 | | 105.59 ----- 105.59 |
| AT&T LOCAL 214A850720971 PO BOX 105414 | 2020 010-455-604 | TELEPHONE | 940-567-2001-732 | JAN' 20 | 01/23/20 | 04 | | 146.45 |
| | 2020 010-400-604 | TELEPHONE | 940-567-2048-516 | JAN' 20 | 01/23/20 | 04 | | 43.10 |
| | 2020 010-403-604 | TELEPHONE | 940-567-2111-520 | JAN' 20 | 01/23/20 | 04 | | 196.83 |
| ATLANTA GA 34034 | 2020 010-665-604 | TELEPHONE | 940-567-2132-732 | JAN' 20 | 01/23/20 | 04 | | 138.28 |
| | 2020 010-435-604 | TELEPHONE | 940-567-2141-732 | JAN' 20 | 01/23/20 | 04 | | 94.78 |
| | 2020 010-560-604 | TELEPHONE | 940-567-2161-912 | JAN' 20 | 01/23/20 | 04 | | 106.37 |
| | 2020 010-561-604 | TELEPHONE | 940-567-2221-809 | JAN' 20 | 01/23/20 | 04 | | 132.31 |
| | 2020 010-401-604 | TELEPHONE | 940-567-2241-732 | JAN' 20 | 01/23/20 | 04 | | 95.96 |
| | 2020 010-497-604 | TELEPHONE | 940-567-2251-519 | JAN' 20 | 01/23/20 | 04 | | 50.37 |
| | 2020 010-661-604 | TELEPHONE | 940-567-2259-910 | JAN' 20 | 01/23/20 | 04 | | 43.10 |
| | 2020 010-499-604 | TELEPHONE | 940-567-2352-732 | JAN' 20 | 01/23/20 | 04 | | 149.47 |
| | 2020 010-495-604 | TELEPHONE | 940-567-2663-732 | JAN' 20 | 01/23/20 | 04 | | 93.47 |
| | 2020 014-624-604 | TELEPHONE | 940-567-2971-732 | JAN' 20 | 01/23/20 | 04 | | 37.93 |
| | 2020 010-551-604 | TELEPHONE | 940-567-3194-071 | JAN' 20 | 01/23/20 | 04 | | 43.10 |
| | 2020 010-475-604 | TELEPHONE | 940-567-3321-732 | JAN' 20 | 01/23/20 | 04 | | 189.78 |
| | 2020 013-623-604 | TELEPHONE | 940-567-3981-732 | JAN' 20 | 01/23/20 | 04 | | 47.82 |
| | 2020 011-621-604 | TELEPHONE | 940-567-5318-732 | JAN' 20 | 01/23/20 | 04 | | 43.10 |
| | 2020 010-660-604 | TELEPHONE | 940-567-5815-816 | JAN' 20 | 01/23/20 | 04 | | 187.41 |
| | 2020 010-477-604 | TELEPHONE | 940-567-6252-732 | JAN' 20 | 01/23/20 | 04 | | 43.10 |
| | 2020 010-476-604 | TELEPHONE | 940-567-6261-732 | JAN' 20 | 01/23/20 | 04 | | 43.10 |
| | 2020 010-570-604 | TELEPHONE | 940-567-6336-732 | JAN' 20 | 01/23/20 | 04 | | 255.84 |
| | 2020 010-667-604 | TELEPHONE | 940-567-6543-732 | JAN' 20 | 01/23/20 | 04 | | 49.10 |
| | 2020 010-560-604 | TELEPHONE | 940-567-6942-911 | JAN' 20 | 01/23/20 | 04 | | 333.70 ----- 2,564.47 |
| BRIAN KEITH UMPHRESS 6350 FM 1810 CHICO TX 76431 | 2020 010-400-901 | SUPPLIES | MEALS | | 01/23/20 | 04 | | 80.71 ----- 80.71 |
| BURNCO 8505 FREEPROT PARKWAY ST | 2020 011-621-503 | SAND/GRAVEL | GRAVEL | SJ-5025482 | 01/20/20 | 04 | | 1,081.36 |
| | 2020 011-621-503 | SAND/GRAVEL | GRAVEL | SJ-5025430 | 01/20/20 | 04 | | 620.18 |
| | 2020 011-621-503 | SAND/GRAVEL | GRAVEL | SJ5025466 | 01/23/20 | 04 | | 760.57 |
| IRVING TX 75063 | 2020 012-622-503 | SAND/GRAVEL | GRAVEL | SJ5025125 | 01/23/20 | 04 | | 1,492.96 |
| | 2020 012-622-503 | SAND/GRAVEL | GRAVEL | SJ5025112 | 01/23/20 | 04 | | 895.07 |
| | 2020 012-622-503 | SAND/GRAVEL | GRAVEL | SJ5025507 | 01/23/20 | 04 | | 1,033.71 ----- 5,883.85 |
| CAILA SEAL | 2020 010-560-911 | UNIFORMS/BADGES | T SHIRTS | 556951 | 01/23/20 | 04 | | 220.00 |

ALL RECORDS FROM 01/27/2020 TO 01/27/2020 DATE-TO-BE-PAID

| VENDOR NAME | ACCOUNT NUMBER | ACCOUNT NAME | ITEM/REASON | INVOICE NUMBER | AP DATE | PD | PO NO | AMOUNT |
|--|--|---|---|--|--|--|-------|---|
| 2249 FM 2950 JERMYN TX 76459 | | | | | | | | ----- 220.00 |
| CARROT-TOP INDUSTRIES PO BOX 820 HILLSBOROUGH NC 27278 | 2020 010-560-901 | OPERATING SUPPLIE | FLAGS | 44787700 | 01/21/20 | 04 | | 74.46 ----- 74.46 |
| CAVALLO ENERGY TEXAS LLC PO BOX 4414 HOUSTON TX 77210 | 2020 010-400-603 2020 010-560-603 2020 010-561-603 2020 010-510-603 2020 011-621-603 2020 012-622-603 2020 012-622-603 | ELECTRICITY ELECTRICITY ELECTRICITY ELECTRICITY ELECTRICITY ELECTRICITY ELECTRICITY | ACCT#5216006011 ACCT#5216006012 ACCT#5216006012 ACCT#5216006013 ACCT#5216006014 ACCT#5216006009 ACCT#5216006010 | | 01/21/20 01/21/20 01/21/20 01/21/20 01/21/20 01/21/20 01/21/20 | 04 04 04 04 04 04 04 | | 1,127.00 524.45 1,573.34 17.07 17.75 24.94 55.96 ----- 3,340.51 |
| CD HARTNETT COMPANY PO BOX 1989 WEATHERFORD TX 76086 | 2020 010-561-904 2020 010-561-904 | GROCERIES GROCERIES | GROCERIES GROCERIES | 645761 645761 | 01/21/20 01/21/20 | 04 04 | | 357.50 2,694.55 ----- 3,052.05 |
| CDW GOVERNMENT 75 REMITTANCE DRIVE SUIT CHICAGO IL 60675 | 2020 010-410-901 | OPERATING SUPPLIES | LINDE AUTO ADPT | WHM2317 | 01/20/20 | 04 | | 329.25 ----- 329.25 |
| CENTURY LINK PO BOX 2961 PHOENIX AZ 85062 | 2020 012-622-604 | TELEPHONE | ACCT# 313659333 | 01/16-02/15 | 01/23/20 | 04 | | 133.37 ----- 133.37 |
| CIRRA NETWORKS PO BOX 123686 FORT WORTH TX 76121 | 2020 010-560-702 2020 010-561-702 | SERVICE AGREEMENT SERVICE AGREEMENT | ACCT#18140 STMNT#40 ACCT#18140 STMNT# 4 | 01/16-02/15 01/16-02/15 | 01/20/20 01/20/20 | 04 04 | | 65.00 64.99 ----- 129.99 |
| COKER FUNERAL HOME 152 STATE HWY 148 JACKSBORO TX 76458 | 2020 010-400-486 2020 010-455-302 2020 010-455-302 2020 010-400-486 | COUNTY ASSISTANCE AUTOPSIES AUTOPSIES COUNTY ASSISTANCE | MOSER CREMATION MOSERFIRST CALL MORK FIRST CALL DURBIN CREMATION | | 01/21/20 01/21/20 01/21/20 01/21/20 | 04 04 04 04 | | 950.00 1,019.50 729.75 950.00 ----- 3,649.25 |
| COMPLIANCE SOLUTIONS 101 N MAIN ST JACKSBORO TX 76458 | 2020 010-400-416 2020 010-400-416 | EMPLOYEE DRUG SC EMPLOYEE DRUG SC | COLLINS FOJTIK | 30164 30150 | 01/20/20 01/20/20 | 04 04 | | 95.00 120.00 ----- 215.00 |
| DALLAS COUNTY TREASURER RENAISSANCE TOWER 1201 ELM ST STE 2300A DALLAS TX 75270 | 2020 010-455-302 2020 010-455-302 2020 010-455-302 2020 010-455-302 | AUTOPSIES AUTOPSIES AUTOPSIES AUTOPSIES | ROGERS MOORE SHARP LEMING | 33130165139 33130165140 33130166190 33120179808 | 01/20/20 01/20/20 01/20/20 01/20/20 | 04 04 04 04 | | 2,050.00 2,050.00 2,050.00 2,150.00 |

ALL RECORDS FROM 01/27/2020 TO 01/27/2020 DATE-TO-BE-PAID

| VENDOR NAME | ACCOUNT NUMBER | ACCOUNT NAME | ITEM/REASON | INVOICE NUMBER | AP DATE | PD PO NO | AMOUNT |
|---|-------------------|-------------------|---------------------|----------------|----------|----------|-------------------------------|
| | | | | | | | ----- 8,300.00 |
| DIAL TONE SERVICES LP PO BOX 470910 SAN FRANCISCO CA 94147 | 2020 010-560-702 | SERVICE AGREEMENT | ACCT#10000004054 SO | 193653102 | 01/20/20 | 04 | 35.38 ----- 35.38 |
| EMPIRE PAPER COMPANY 2708 CENTRAL FRWY E WICHITA FALLS TX 76301 | 2020 010-560-901 | OPERATING SUPPLIE | COFFEE FILTERS | 0536435 | 01/20/20 | 04 | 71.27 ----- 71.27 |
| FED EX PO BOX 660481 DALLAS TX 75266 | 2020 010-409-915 | POSTAGE | ACCT# 2207-0584-6 | 6-899-25998 | 01/21/20 | 04 | 33.05 ----- 33.05 |
| FICA TAXES | 2020 010-202-100 | SALARIES PAYABLE | FICA TAXES | 01272020 | 01/27/20 | 04 | 5,297.27 |
| | 2020 010-401-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 202.10 |
| | 2020 010-403-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 260.48 |
| | 2020 010-409-201 | FICA | FICA TAXES | 01272020 | 01/27/20 | 04 | 137.79 |
| | 2020 010-410-201 | FICA | FICA TAXES | 01272020 | 01/27/20 | 04 | 87.78 |
| | 2020 010-435-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 177.51 |
| | 2020 010-455-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 265.87 |
| | 2020 010-475-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 279.18 |
| | 2020 010-495-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 258.60 |
| | 2020 010-497-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 105.66 |
| | 2020 010-499-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 286.01 |
| | 2020 010-510-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 217.65 |
| | 2020 010-551-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 112.38 |
| | 2020 010-560-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 1,846.56 |
| | 2020 010-561-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 910.94 |
| | 2020 010-665-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 148.76 |
| | 2020 011-202-100 | SALARIES PAYABLE | FICA TAXES | 01272020 | 01/27/20 | 04 | 281.99 |
| | 2020 011-621-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 281.99 |
| | 2020 012-202-100 | SALARIES PAYABLE | FICA TAXES | 01272020 | 01/27/20 | 04 | 304.38 |
| | 2020 012-622-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 304.38 |
| | 2020 013-202-100 | SALARIES PAYABLE | FICA TAXES | 01272020 | 01/27/20 | 04 | 338.91 |
| | 2020 013-623-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 338.91 |
| | 2020 014-202-100 | SALARIES PAYABLE | FICA TAXES | 01272020 | 01/27/20 | 04 | 239.16 |
| | 2020 014-624-201 | SOCIAL SECURITY | FICA TAXES | 01272020 | 01/27/20 | 04 | 239.16 ----- 12,923.42 |
| FIREWERKS FIRE APPARATUS 412 DARK CORNER RD JACKSBORO TX 76458 | 2020 015-610-307 | MISC. EXPENSE | BATTERY VALVE KIT H | 5420 | 01/21/20 | 04 | 1,836.79 ----- 1,836.79 |
| FIT TAXES | 2020 010-202-100 | SALARIES PAYABLE | FIT TAXES | 01272020 | 01/27/20 | 04 | 6,114.91 |
| | 2020 011-202-100 | SALARIES PAYABLE | FIT TAXES | 01272020 | 01/27/20 | 04 | 348.96 |
| | 2020 012-202-100 | SALARIES PAYABLE | FIT TAXES | 01272020 | 01/27/20 | 04 | 237.69 |
| | 2020 013-202-100 | SALARIES PAYABLE | FIT TAXES | 01272020 | 01/27/20 | 04 | 416.05 |
| | 2020 014-202-100 | SALARIES PAYABLE | FIT TAXES | 01272020 | 01/27/20 | 04 | 264.03 ----- 7,381.64 |
| GREGG PARSONS | 2020 010-510-705 | BUILDING REPAIR | RM 208 | 45167952 | 01/23/20 | 04 | 1,400.00 |

ALL RECORDS FROM 01/27/2020 TO 01/27/2020 DATE-TO-BE-PAID

| VENDOR NAME | ACCOUNT NUMBER | ACCOUNT NAME | ITEM/REASON | INVOICE NUMBER | AP DATE | PD | PO NO | AMOUNT |
|---|--|---|---|----------------------------------|--|----------------------|-------|---|
| 3178 COWLING RD SANGER TX 76226 | | | | | | | | ----- 1,400.00 |
| HAWKINS FUNERAL HOME 1909 9TH ST BRIDGEPORT TX 76426 | 2020 010-400-486 | COUNTY ASSISTANCE | BANFIELD | | 01/20/20 | 04 | | 1,250.00 ----- 1,250.00 |
| HUDSON IMAGING PO DRAWER 2190-76307 WICHITA FALLS TX 76301 | 2020 010-455-915 | POSTAGE | S/H ON TONER CARTRI | 029577 | 01/20/20 | 04 | | 21.00 ----- 21.00 |
| IMAGE TEK 1400 WASHINGTON AVENUE WACO TX 76701 | 2020 078-403-903 | COUNTY CLERK RM& MAINT | | 2931 | 01/20/20 | 04 | | 1,500.00 ----- 1,500.00 |
| JDR GARAGE 976 S MAIN ST JACKSBORO TX 76458 | 2020 013-623-902 | AUTO PARTS/TIRES | BATTERY | 2122 | 01/20/20 | 04 | | 281.90 ----- 281.90 |
| KEVIN WOLF INSURANCE & R PO BOX 457 | 2020 010-560-301 2020 010-560-301 2020 010-560-301 | BONDS OF OFFICE BONDS OF OFFICE BONDS OF OFFICE | MAGBY ANGELL HUNTER | 5061 5054 5055 | 01/20/20 01/20/20 01/20/20 | 04 04 04 | | 50.00 50.00 50.00 ----- 150.00 |
| JACKSBORO TX 76458 | | | | | | | | |
| LAW OFFICE OF JEFF EAVES 900 8TH ST STE 1030 WICHITA FALLS TX 76301 | 2020 010-477-302 | DIST JUDGE ATTY FE | ITIO MITCHELL CPS | | 01/20/20 | 04 | | 350.00 ----- 350.00 |
| LONGHORN LOCKSMITH PO BOX 1412 DECATUR TX 76234 | 2020 010-400-705 | BUILDING REPAIR | REKEY | 10718 | 01/20/20 | 04 | | 219.00 ----- 219.00 |
| MARK COOLEY | 2020 010-400-705 2020 010-510-705 2020 010-510-705 | BUILDING REPAIR BUILDING REPAIR BUILDING REPAIR | RM 208 RM 210 RM 208 | | 01/23/20 01/23/20 01/23/20 | 04 04 04 | | 100.00 200.00 100.00 ----- 400.00 |
| MASON SPILLER DBA SPILLER & SPILLER PO DRAWER 447 JACKSBORO TX 76458 | 2020 010-401-302 2020 010-477-302 2020 010-477-302 2020 010-477-302 | ATTORNEY FEES DIST JUDGE ATTY FE DIST JUDGE ATTY FE DIST JUDGE ATTY FE | 13523 SKORCAKI MIS 4926 MCFARLAND FEL 4950 CHAMBLISS FEL 4910/4865 NICHOLS F | | 01/20/20 01/21/20 01/21/20 01/21/20 | 04 04 04 04 | | 275.00 600.00 200.00 500.00 ----- 1,575.00 |
| MASSENGALE INSURANCE SOL 117 E ARCHER JACKSBORO TX 76458 | 2020 010-435-301 | BONDS OF OFFICE | BOND COLLINS | | 01/20/20 | 04 | | 135.00 ----- 135.00 |
| MEDICARE TAXES | 2020 010-202-100 2020 010-401-201 2020 010-403-201 | SALARIES PAYABLE SOCIAL SECURITY SOCIAL SECURITY | MEDICARE TAXES MEDICARE TAXES MEDICARE TAXES | 01272020 01272020 01272020 | 01/27/20 01/27/20 01/27/20 | 04 04 04 | | 1,238.86 47.26 60.92 |

ALL RECORDS FROM 01/27/2020 TO 01/27/2020 DATE-TO-BE-PAID

| VENDOR NAME | ACCOUNT NUMBER | ACCOUNT NAME | ITEM/REASON | INVOICE NUMBER | AP DATE | PD | PO NO | AMOUNT |
|--|------------------|--------------------|---------------------|----------------|----------|----|-------|-----------|
| | 2020 010-409-201 | FICA | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 32.23 |
| | 2020 010-410-201 | FICA | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 20.53 |
| | 2020 010-435-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 41.52 |
| | 2020 010-455-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 62.17 |
| | 2020 010-475-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 65.29 |
| | 2020 010-495-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 60.48 |
| | 2020 010-497-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 24.71 |
| | 2020 010-499-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 66.88 |
| | 2020 010-510-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 50.91 |
| | 2020 010-551-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 26.28 |
| | 2020 010-560-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 431.85 |
| | 2020 010-561-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 213.04 |
| | 2020 010-665-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 34.79 |
| | 2020 011-202-100 | SALARIES PAYABLE | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 65.96 |
| | 2020 011-621-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 65.96 |
| | 2020 012-202-100 | SALARIES PAYABLE | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 71.19 |
| | 2020 012-622-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 71.19 |
| | 2020 013-202-100 | SALARIES PAYABLE | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 79.27 |
| | 2020 013-623-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 79.27 |
| | 2020 014-202-100 | SALARIES PAYABLE | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 55.94 |
| | 2020 014-624-201 | SOCIAL SECURITY | MEDICARE TAXES | 01272020 | 01/27/20 | 04 | | 55.94 |
| | | | | | | | | ----- |
| | | | | | | | | 3,022.44 |
| MOBILE THRONES PO BOX 442 | 2020 010-561-705 | BUILDING REPAIR | GREASE TRAP | 47212 | 01/20/20 | 04 | | 715.00 |
| | 2020 014-624-705 | BUILDING REPAIR | PUMP SEPTIC TANK | 47221 P | 01/20/20 | 04 | | 305.00 |
| | | | | | | | | ----- |
| JACKSBORO TX 76458 | | | | | | | | 1,020.00 |
| MOTOROLA SOLUTIONS INC PO BOX 404059 ATLANTA GA 30384 | 2020 010-560-801 | VEHICLES | RADIOS | 16088577 | 01/23/20 | 04 | | 4,923.78 |
| | | | | | | | | ----- |
| | | | | | | | | 4,923.78 |
| MR ROOTER PLUMBING 114 N CHURCH ST JACKSBORO TX 76458 | 2020 010-561-705 | BUILDING REPAIR | LEC REPAIRS 01/02 | 1781171 | 01/20/20 | 04 | | 345.00 |
| | | | | | | | | ----- |
| | | | | | | | | 345.00 |
| NETPROTEC PO BOX 1671 | 2020 010-401-702 | SERVICE AGREEMENT | NETPROTEC | 1434 | 01/20/20 | 04 | | 272.50 |
| | 2020 010-455-702 | SERVICE AGREEMENT | NETPROTEC | 1434 | 01/20/20 | 04 | | 272.50 |
| | | | | | | | | ----- |
| GLEN ROSE TX 76043 | | | | | | | | 545.00 |
| PALO PINTO COMMUNICATION ATTN: CREDIT DEPARTMENT PO BOX 600 GRAHAM TX 76450 | 2020 010-400-412 | PUBLIC NOTICES | INVITATION TO BID 0 | AD# 16299 | 01/20/20 | 04 | | 344.00 |
| | 2020 010-409-914 | MUNICIPAL ELECTION | VOTING EQUIPMENT 01 | AD# 16363 | 01/21/20 | 04 | | 124.58 |
| | | | | | | | | ----- |
| | | | | | | | | 468.58 |
| PRITCHARD & ABBOTT INC 4900 OVERTON COMMONS COU FORT WORTH TX 76132 | 2020 010-499-304 | TAX COMPUTER | PC COLLECTION CONTR | JAN'20 | 01/23/20 | 04 | | 10,262.50 |
| | | | | | | | | ----- |
| | | | | | | | | 10,262.50 |
| PURCHASE POWER | 2020 010-495-901 | OPERATING SUPPLIE | POSTAGE 01/03/20 | | 01/21/20 | 04 | | 1,470.99 |

ALL RECORDS FROM 01/27/2020 TO 01/27/2020 DATE-TO-BE-PAID

| VENDOR NAME | ACCOUNT NUMBER | ACCOUNT NAME | ITEM/REASON | INVOICE NUMBER | AP DATE | PD | PO NO | AMOUNT |
|---|------------------|--------------------|---------------------|----------------|----------|----------|-------|-------------------|
| PO BOX 371874 PITTSBURGH | PA 15250 | | | | | | | ----- 1,470.99 |
| QUILL CORPORATION PO BOX 37600 | 2020 010-495-901 | OPERATING SUPPLIE | PAPER | 4085597 | 01/23/20 | 04 | | 59.98 |
| | 2020 010-495-901 | OPERATING SUPPLIE | BINDERS | 4085597 | 01/23/20 | 04 | | 8.00 |
| | 2020 010-495-901 | OPERATING SUPPLIE | NOTES | 4085597 | 01/23/20 | 04 | | 10.00 |
| PHILADELPHIA | PA 19101 | 2020 010-495-901 | OPERATING SUPPLIE | NOTES | 4085597 | 01/23/20 | 04 | 1.13 |
| | 2020 010-495-901 | OPERATING SUPPLIE | CREAMER | 4085597 | 01/23/20 | 04 | | 12.58 |
| | 2020 010-495-901 | OPERATING SUPPLIE | CREAMER | 4085597 | 01/23/20 | 04 | | 37.78 |
| | 2020 010-400-901 | SUPPLIES | CUPS | 4085597 | 01/23/20 | 04 | | 42.29 |
| | 2020 010-400-901 | SUPPLIES | T TISSUE | 4085597 | 01/23/20 | 04 | | 61.19 |
| | 2020 010-403-901 | OPERATING SUPPLIE | PENS | 4085597 | 01/23/20 | 04 | | 18.99 |
| | 2020 013-623-901 | OPERATING SUPPLIE | ERASE BOARD MARKERS | 4086030 | 01/23/20 | 04 | | 41.33 |
| | 2020 010-560-901 | OPERATING SUPPLIE | BOXES | 3705096 | 01/23/20 | 04 | | 59.23 |
| | 2020 010-495-901 | OPERATING SUPPLIE | CLIPS | 3840496 | 01/23/20 | 04 | | .21 |
| | 2020 010-495-901 | OPERATING SUPPLIE | NOTES | 3840496 | 01/23/20 | 04 | | 1.13 |
| | 2020 010-495-901 | OPERATING SUPPLIE | TAPE | 3840496 | 01/23/20 | 04 | | .25 |
| | 2020 010-495-901 | OPERATING SUPPLIE | PAPER | 3840496 | 01/23/20 | 04 | | 59.98 |
| | 2020 010-495-901 | OPERATING SUPPLIE | TAPE | 3840496 | 01/23/20 | 04 | | 26.99 |
| | 2020 010-499-901 | OPERATING SUPPLIE | TONER | 3840496 | 01/23/20 | 04 | | 215.88 |
| | 2020 010-499-901 | OPERATING SUPPLIE | RUBBER BANDS | 3840496 | 01/23/20 | 04 | | 7.22 |
| | 2020 010-495-901 | OPERATING SUPPLIE | TAX FORMS | 3840496 | 01/23/20 | 04 | | 6.37 |
| | 2020 010-495-901 | OPERATING SUPPLIE | TAX FORMS | 3840496 | 01/23/20 | 04 | | 7.22 |
| | 2020 010-495-901 | OPERATING SUPPLIE | TONER | 3840496 | 01/23/20 | 04 | | 164.89 |
| | 2020 010-495-901 | OPERATING SUPPLIE | ENV | 3874980 | 01/23/20 | 04 | | 58.62 |
| | 2020 010-435-901 | OPERATING SUPPLIES | MOUSE PAD | 4109769 | 01/23/20 | 04 | | 14.24 |
| | 2020 010-435-901 | OPERATING SUPPLIES | LETTER TRAY | 4117608 | 01/23/20 | 04 | | 7.90 |
| | 2020 010-435-901 | OPERATING SUPPLIES | STAPLER | 4117608 | 01/23/20 | 04 | | 62.04 |
| | 2020 010-435-901 | OPERATING SUPPLIES | ORGANIZER | 4117608 | 01/23/20 | 04 | | 14.44 |
| | 2020 010-495-901 | OPERATING SUPPLIE | TAPE | 4117608 | 01/23/20 | 04 | | 1.00 |
| | | | | | | | | ----- 1,000.88 |
| REGINALD R WILSON ATTY AT LAW 813 8TH ST SUITE 920 WICHITA FALLS | 2020 010-401-302 | ATTORNEY FEES | 13801/02 AILLS MIS | | 01/20/20 | 04 | | 300.00 |
| TX 76301 | | | | | | | | ----- 300.00 |
| ROOFPRO P O BOX 5 | 2020 010-560-705 | BUILDING REPAIR | REPAIRS | 464800 | 01/21/20 | 04 | | 679.00 |
| | 2020 010-561-705 | BUILDING REPAIR | REPAIRS | 464800 | 01/21/20 | 04 | | 679.00 |
| JACKSBORO | TX 76458 | | | | | | | ----- 1,358.00 |
| RTY FLOORING 639 S MAIN ST JACKSBORO | 2020 010-510-705 | BUILDING REPAIR | RM 208 | 1260 | 01/20/20 | 04 | | 6,229.00 |
| TX 76458 | | | | | | | | ----- 6,229.00 |
| SB AUTOMOTIVE PO BOX 134 PERRIN | 2020 012-622-701 | AUTO REPAIR/INSPE | INSPECTION | | 01/20/20 | 04 | | 7.00 |
| TX 76486 | | | | | | | | ----- 7.00 |
| STATE COMPTROLLER COMPTROLLER OF PUBLIC AC PO BOX 149361 AUSTIN | 2020 099-400-453 | SPECIALTY COURT | SPECIALTY COURT PRO | 4Q 2019 | 01/24/20 | 04 | | 508.79 |
| TX 78714 | | | | | | | | ----- 508.79 |
| STATE COMPTROLLER EFT PA | 2020 099-400-451 | CRIMINAL FEES | CRIMINAL FEES - EFT | 4Q 2019 | 01/24/20 | 04 | | 18,676.78 |

ALL RECORDS FROM 01/27/2020 TO 01/27/2020 DATE-TO-BE-PAID

| VENDOR NAME | ACCOUNT NUMBER | ACCOUNT NAME | ITEM/REASON | INVOICE NUMBER | AP DATE | PD | PO NO | AMOUNT |
|--------------------------|------------------|-------------------|---------------------|----------------|----------|----|-------|-----------|
| | 2020 099-400-452 | CIVIL FEES | CIVIL FEES - EFT | 4Q 2019 | 01/24/20 | 04 | | 6,814.71 |
| | 2020 099-400-465 | E-FILE | E-FILE - EFT | 4Q 2019 | 01/24/20 | 04 | | 2,205.34 |
| | | | | | | | | ----- |
| | | | | | | | | 27,696.83 |
| T&S AUTO SERVICE | 2020 011-621-701 | AUTO REPAIR/INSPE | INSPECTION | 91439 | 01/20/20 | 04 | | 7.00 |
| 627 N MAIN | 2020 010-560-901 | OPERATING SUPPLIE | WIPER FLUID 17 | 91433 | 01/20/20 | 04 | | 3.50 |
| | 2020 010-560-903 | GAS/OIL | OIL CHANGE 17 | 91433 | 01/20/20 | 04 | | 79.50 |
| JACKSBORO TX 76458 | 2020 010-560-701 | AUTO REPAIR/INSPE | INSP 17 | 91433 | 01/20/20 | 04 | | 7.00 |
| | 2020 011-621-704 | HEAVY EQUIPMENT | FLAT | 91455 | 01/20/20 | 04 | | 35.00 |
| | 2020 011-621-902 | AUTO PARTS/TIRES | NEW TIRES 99 FORD | 91465 | 01/21/20 | 04 | | 359.78 |
| | 2020 010-560-903 | GAS/OIL | OIL CHANGE | 91385 | 01/23/20 | 04 | | 89.50 |
| | 2020 010-560-901 | OPERATING SUPPLIE | WIPER FLUID | 91385 | 01/23/20 | 04 | | 3.50 |
| | | | | | | | | ----- |
| | | | | | | | | 584.78 |
| TCC NORTHWEST CAMPUS | 2020 010-560-207 | SCHOOL/CONFERENCE | MARLOW/WALLY | NW113827/62 | 01/20/20 | 04 | | 155.00 |
| BUSINESS SERVICES | 2020 010-560-207 | SCHOOL/CONFERENCE | TRAIN/RICHARDSON-HO | NW-113930 | 01/21/20 | 04 | | 75.00 |
| 4801 MARINE CREEK PARKWA | | | | | | | | ----- |
| FORT WORTH TX 76179 | | | | | | | | 230.00 |
| TEXAS ASSOCIATION OF COU | 2020 010-400-404 | DUES | DUES | 64843 | 01/20/20 | 04 | | 685.00 |
| ATTN: MEMBER SERVICES | | | | | | | | ----- |
| PO BOX 2711 | | | | | | | | 685.00 |
| SAN ANTONIO TX 78299 | | | | | | | | |
| TEXAS PARKS AND WILDLIFE | 2020 099-400-456 | TEXAS P&W | DEC'19 FEES | | 01/23/20 | 04 | | 458.78 |
| 4822 KEMP BLVD STE 1300 | | | | | | | | ----- |
| WICHITA FALLS TX 76308 | | | | | | | | 458.78 |
| TEXAS TREE AND LANDSCAPE | 2020 010-400-705 | BUILDING REPAIR | TRIM TREES | 5746 | 01/20/20 | 04 | | 1,900.00 |
| 4914 OLIVIA LN | | | | | | | | ----- |
| WICHITA FALLS TX 76310 | | | | | | | | 1,900.00 |
| THOMSON REUTERS - WEST | 2020 010-475-907 | LAW BOOKS | THOMSON REUTERS - W | 841668388 | 01/20/20 | 04 | | 173.00 |
| PO BOX 6292 | 2020 010-401-907 | LAW BOOKS | THOMSON REUTERS - W | 841713997 | 01/21/20 | 04 | | 97.53 |
| | | | | | | | | ----- |
| CAROL STREAM IL 60197 | | | | | | | | 270.53 |
| TIM COUFAL | 2020 014-624-901 | OPERATING SUPPLIE | LATCHES | 007123 | 01/23/20 | 04 | | 60.00 |
| | | | | | | | | ----- |
| | | | | | | | | 60.00 |
| TX CHILD SUPPORT SDU | 2020 010-202-100 | SALARIES PAYABLE | CHILD SUPPORT | 01272020 | 01/27/20 | 04 | | 191.08 |
| PO BOX 659791 | | | | | | | | ----- |
| SAN ANTONIO TX 78265 | | | | | | | | 191.08 |
| VANESSA JAMES | 2020 010-403-207 | SCHOOL/CONFERENCE | TRAVEL | | 01/21/20 | 04 | | 120.00 |
| | | | | | | | | ----- |
| | | | | | | | | 120.00 |
| WAGNER SUPPLY CO | 2020 010-510-901 | OPERATING SUPPLIE | CLEANING SUPPLIES | W001013 | 01/21/20 | 04 | | 589.91 |

JACK COUNTY FUNERAL LEAVE POLICY

JAN 27 2020

VANESSA JAMES, County Clerk
JACK COUNTY, TEXAS

BY _____ DEPUTY

**FAMILY FUNERAL
LEAVE**

1. Employees shall be allowed up to three (3) days leave with pay for a death in the immediate family.

(OLD POLICY)

2. For purposes of this policy, immediate family shall include the employee's spouse and the child, parent, grandparent, brother or sister of the employee or the employee's spouse.

(NEW POLICY)

For purposes of this policy, immediate family shall include the following family members of the employee or employee's spouse: parents and parents-in-law, siblings and their spouses, children and their spouses, and grandparents and grandchildren.

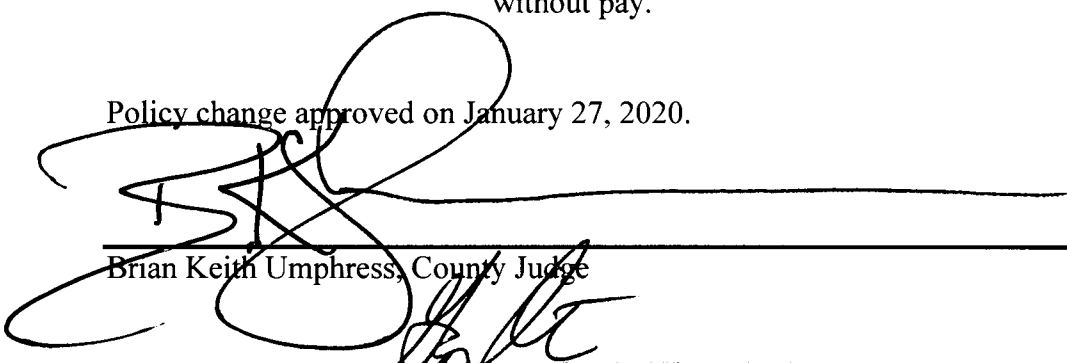
OTHER LEAVE

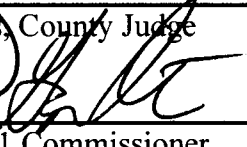
3. Employees may be allowed time off with pay, up to a maximum of four (4) hours, to attend the funeral of a relative who is not a member of the immediate family or to attend the funeral of a friend.

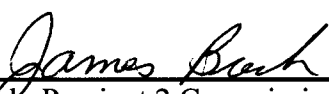
ADDITIONAL LEAVE

4. If leave is needed beyond the limits set in this policy, it may be charged to available vacation or compensatory time or to leave without pay.

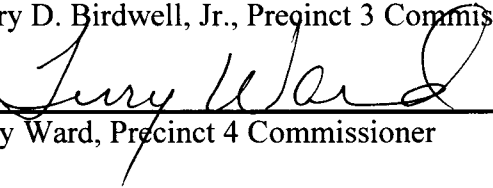
Policy change approved on January 27, 2020.


 Brian Keith Umphress, County Judge


 Gary Oliver, Precinct 1 Commissioner


 James Brock, Precinct 2 Commissioner

ABSENT
 Henry D. Birdwell, Jr., Precinct 3 Commissioner


 Terry Ward, Precinct 4 Commissioner

RECEIVED

JAN 27 2020

INVITATION TO BID

JACK COUNTY AUDITOR

Bids will be received in the County Auditor's Office of Jack County, Texas until 9:00 a.m., Monday, January 27, 2020, for the purchase of various goods and services for Jack County.

The types of goods and services to be purchased are one or more of the following:

Truck/ Tractor, Model 2020 or newer*

** The minimum bid specifications and requirements to bid are contained in the Bid Form on file in the County Auditor's office.*

Bidders should use unit pricing in submitting their bids. Invoices delivered for payment will generally be paid by the second Monday of the month following receipt. No bond shall be required of the bidder.

The bids will be opened at 9:15 a.m. on Monday, January 27, 2020, by the County Auditor in the County Courtroom on the first floor of the County Courthouse in Jacksboro, Texas and awarded in the Commissioners Court's business on Monday, January 27, 2020, at the same location beginning at 10:00 a.m.

Detailed specifications may be obtained by contacting:

Lisa Perry

Auditor - Jack County
Jack County Courthouse
Jacksboro, Texas 76458

Voice: (940) 567-2663
Fax: (940) 567-5978

The County's website is located at www.jackcounty.org.

Bids should be submitted in a sealed number 10 or smaller envelope with the proper title ("Precinct 1 Equipment Bid") on the **outside** of the bid envelope.

Bidders are encouraged to be present at the bid opening to defend and answer questions about their bid.

Jack County reserves the right to accept and/or reject any and all bids.

Under Section 271.905, Texas Local Government Code; the Commissioner's court reserves the right to award a contract to a qualified local bidder within three percent of the lowest bid.

Approved
01/27/2020
Vote: 4-0

All bids must be accompanied by a completed Bid Request Form that may be obtained through the office of the County Auditor.

Lisa Perry
Auditor - Jack County

TITLE: JACK COUNTY BID REQUEST

PROJECT: Purchase/Sale of Equipment in Commissioner Precinct 1

Date: December 26, 2019

SCOPE: Jack County is now accepting formal proposals for the purchase of one or more of the following: new Truck/Tractor. The minimum specifications for both are attached.

SPECIFICATIONS: Attached is a bid form to be used in submitting all bids. Supporting materials may be attached but the bid form indicating price per item **must** be properly completed to assure bid consideration.

The bid form is in two sections: an informational section (this section) and a list of the desired equipment and minimum features.

Bidders will be required to deliver with their bid a cost deposit in the amount of \$200.00 by cashier's check to cover the costs of publication in the event of his/her failure to perform. Said check will be applied in purchase for a successful bidder and returned in the event the bidder is unsuccessful.

TYPES OF ITEMS SOUGHT: The attached bid form lists the equipment/supplies and quantities desired and minimum specifications. All bids submitted must meet or exceed those specifications listed.

All materials must be of equivalent or better quality as shown in the specifications under **"DESCRIPTION OF ITEM."**

USE OF BID FORM: Failure to complete the County Bid Form and use the prescribed envelope may disallow a proposal for consideration. Further attachments to your County Bid Form may be made.

JACK COUNTY COMPETITIVE BID PROPOSAL FORM

(Purchase of Equipment in Commissioner Precinct 1)

My bid is on a new:

\$ - 109,960.00 -Truck/Tractor

My bid meets or exceeds minimum Proposal
requirements set forth in the bid specifications/detail. ✓

My bid offer is good for - 30 - days.

Name of Bidder: Bruckner Truck Sales, Inc.

By: Steve Townsend
(Authorized Agent)

Dated: January 24th, 2020.

MINIMUM SPECIFICATIONS FOR ONE OR MORE NEW TRUCK/TRACTORS

1.0 YEAR MODEL:

- ✓ 1.1 2021 or newer

2.0 CAB AND HOOV:

- ✓ 2.1 Conventional type cab with fiberglass tilting front hood.
- ✓ 2.2 Galvanized steel cab shell with welded seams.
- ✓ 2.3 Visibility window in right-hand door.
- ✓ 2.4 Bug screen mounted to front of radiator.
- ✓ 2.5 Bright finish grille.
- ✓ 2.6 Air suspension type rear cab mounting.
- ✓ 2.7 Integral heater and air conditioner combination unit.
- ✓ 2.8 Rubber floor covering.
- ✓ 2.9 Gauges to include: speedometer, tachometer, oil pressure, coolant temperature, air pressure, fuel level, DEF level and transmission oil temperature.
- ✓ 2.10 Safety tinted side and rear windows.
- ✓ 2.11 Grab handles for easy access.
- ✓ 2.12 Single trumpet air horn mounted on the roof of the cab.
- ✓ 2.13 Padded interior door panels with a storage pouch mounted on the driver's door.
- ✓ 2.14 Exterior LH & RH heated and motorized mirrors with wide angle convex mirror on each side.
- ✓ 2.15 AM/FM radio with Bluetooth for hands free cellular phone operation.
- ✓ 2.16 CB radio antenna with radio mounting plate mounted on top of dash or in header console.
- ✓ 2.17 Air suspension high-back driver's seat with vinyl covering and armrest.
- ✓ 2.18 Stationary passenger seat with vinyl covering and armrest.
- ✓ 2.19 Seat belts, three point lap and shoulder, adjustable type.
- ✓ 2.20 Tilt and telescoping type adjustable steering column.
- ✓ 2.21 Control switches in steering wheel for operation of cruise control, radio and phone.
- ✓ 2.22 Stainless steel exterior sun visor.
- ✓ 2.23 RH and LH interior sun visors.
- ✓ 2.24 Intermittent windshield wipers.
- ✓ 2.25 Paint white.

3.0 FRAME AND FRAME MOUNTED EQUIPMENT:

- ✓ 3.1 Steel C-Channel type frame rails with a minimum 10.0" X 3.5" X .3" cross- section, without frame reinforcement.
- ✓ 3.2 215" to 225" Wheelbase. 219"
- ✓ 3.3 Bright finish front bumper.
- ✓ 3.4 Rear mud flaps mounted on spring loaded type mud flap brackets.
- ✓ 3.5 Single or dual aluminum fuel tanks with a minimum total capacity of 80 gallons.
- ✓ 3.6 Fifth wheel, air slide with 24" travel.
- ✓ 3.7 Deck plate mounted on top of frame with steps on LH side for easy access to trailer connections.

4.0 ENGINE AND ENGINE EQUIPMENT:

- ✓ 4.1 Engine to be compliant with all current EPA emissions regulations.
- ✓ 4.2 Electronically controlled diesel injected engine.
- ✓ 4.3 Minimum 13 liter displacement.
- ✓ 4.4 Minimum 445 horsepower.
- ✓ 4.5 1800 Lb. Ft. torque.
- ✓ 4.6 Fuel/Water separator.
- ✓ 4.7 Engine brake.
- ✓ 4.8 Single vertical exhaust with bright finish heat shield and stack. Stack to have turned out end on top.

5.0 TRANSMISSION CLUTCH AND DRIVELINE:

- ✓ 5.1 Automated manual transmission with a minimum of 12 forward speeds and 2 reverse speeds with a low gear ratio of 11.5 or lower and an overdrive gear ratio or .78 or higher.
- ✓ 5.2 Dash mounted shifter with manual mode capability.
- ✓ 5.3 Equipped with anti-rollback feature to keep the vehicle from rolling back for at least three seconds after the brake pedal is released.
- ✓ 5.4 Must have PTO capabilities.
- ✓ 5.5 Transmission must automatically shifts to neutral when the park brake is applied or if the key is turned off.
- ✓ 5.6 Transmission oil cooler.
- ✓ 5.7 Synthetic lube in transmission.
- ✓ 5.8 Electronically operated clutch without clutch pedal.
- ✓ 5.9 Heavy duty drivelines with half-round type universal joints.

6.0 Front AXLE EQUIPMENT AND TIRES:

- ✓ 6.1 12,000LB capacity axle.
- ✓ 6.2 16-1/2" X 5" S-cam type brakes with automatic slack adjusters.
- ✓ 6.3 Outboard mounted brake drums.

- ✓ 6.4 Hydraulic power steering.
- ✓ 6.5 24.5 X 8.25 Aluminum 10-hole hub piloted wheels.
- ✓ 6.6 11R24.5 14 ply radial tires with highway type tread design.

7.0 REAR AXLE EQUIPMENT AND TIRES:

- ✓ 7.1 Tandem rear axles with 40,000LB capacity.
- ✓ 7.2 Driver controlled power divider lockout with warning light.
- ✓ 7.3 Driver controlled inter wheel differential lock for forward-rear and rear-rear axles with warning light.
- ✓ 7.4 Gear ratio to allow truck to run approx 65 MPH at engine manufacturer's recommended RPM.
- ✓ 7.5 16-1/2" X 7" S-cam type brakes with automatic slack adjusters.
- ✓ 7.6 Outboard mounted brake drums.
- ✓ 7.7 24.5 X 8.25 Aluminum IO-hole hub piloted wheels, inner & outer.
- ✓ 7.8 11R24.5 14 ply tires with traction type tread design.

8.0 AIR BRAKE SYSTEM:

- ✓ 8.1 Minimum 18.7 CFM air compressor.
- ✓ 8.2 Anti-lock brake system.
- ✓ 8.3 Double diaphragm, type 30 spring brake chambers.
- ✓ 8.4 Dual air brake system that complies with all federal regulations.
- ✓ 8.5 Trailer connection package with air lines and electrical cord mounted to a hose tender behind the cab.
- ✓ 8.6 Desiccant type air dryer with 12 volt heater.
- ✓ 8.7 Manual drain valves on all air tanks.

9.0 ELECTRICAL EQUIPMENT:

- ✓ 9.1 12-Volt negative ground system.
- ✓ 9.2 Three 12-Volt batteries with a minimum of 650 CCA per battery.
- ✓ 9.3 12-Volt 135 Amp. Brushless alternator.
- ✓ 9.4 12-Volt starter motor.
- ✓ 9.5 Steel battery box with battery box cover.
- ✓ 9.6 Electrical circuit protected by circuit breakers.
- ✓ 9.7 All exterior lighting LED lights, including headlamps.

10.0 SAFETY EQUIPMENT:

- ✓ 10.1 Fire extinguisher mounted in cab.
- ✓ 10.2 Triangular reflector kit.
- ✓ 10.3 Perform Texas state inspection.

11.0 ADDITIONAL EQUIPMENT:

- ✓ **11.1** Poly ½ fenders over forward-rear axle.
- ✓ **11.2** Install two dash switches wired to a 4-way trailer plug to operate the gates on the belly dump trailer air ride suspension dump valve.

1/24/2020

BRUC2019000635F239
PINNACLE 64T DAYCAB FAST
MACK
Qty: 1

BRUCKNER TRUCK SALES,
INC.
1200 NE LOOP 820
FORT WORTH
TX 761061743

JACK COUNTY PCT 1
100 N MAIN ST STE 202
JACKSBORO
TX 764581746

PROPOSAL



MACK



TECHNICAL SPECIFICATION

PINNACLE 64T DAYCAB FAST MACK

| | | | | WEIGHT (LB) | | |
|----------------------|--------|-----------------------------|-------------|-------------|------|------------|
| APPLICATION PACKAGES | | | DESCRIPTION | FRONT | REAR | LIST PRICE |
| S | 023183 | APPLICATION RECOMMENDATIONS | FAST MACK | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | |
|-----------------------|--------|---------------------------------|---|-------------|-------|------------|
| CUSTOMER/VEHICLE INFO | | | DESCRIPTION | FRONT | REAR | LIST PRICE |
| S | 002EW2 | CHASSIS (BASE MODEL) | PINNACLE 64T FASTMACK | 5,325 | 2,825 | 0 |
| S | 99X93X | ASSEMBLY PLANT | Made in Macungie, PA USA | 0 | 0 | 0 |
| S | MP2001 | CUSTOMER FLEET SIZE | DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND | 0 | 0 | 0 |
| S | M45001 | ORDER TYPE REQUIREMENTS | RETAIL OR STOCK - CUSTOM SPECIFICATIONS | 0 | 0 | 0 |
| | 013002 | TYPE OF SERVICE | MUNICIPAL | 0 | 0 | 0 |
| S | M98018 | WARRANTY REGISTRATION LOCATION | US - WARRANTY REGISTRATION LOCATION | 0 | 0 | 0 |
| S | 505015 | INITIAL REGISTRATION LOCATION | ALL 50 STATES, CARB ENGINE EMISSION (US17 / US21 / ZERO EMISSION) | 0 | 0 | 0 |
| | 005075 | VEHICLE USE & BODY/TRAILER TYPE | BOTTOM-DUMP TRAILER | 0 | 0 | 0 |
| S | 78XB1X | TRANSPORT CYCLE | LOCAL DISTRIBUTION | 0 | 0 | 0 |
| S | DKXG2X | GROSS COMBINATION WEIGHT | 80,000 LB (36 TONNES) GROSS COMBINATION WEIGHT | 0 | 0 | 0 |
| S | 70BC1X | BRAKE REGULATION | BRAKE REGULATION, STOPPING DISTANCE 76M (250FT) | 0 | 0 | 0 |
| S | QCXB1X | TOPOGRAPHY | GRADES <6% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 16% | 0 | 0 | 0 |
| S | E1BD1X | AMBIENT TEMP UPPER LIMIT (GTA) | AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR | 0 | 0 | 0 |
| S | 032A79 | TERRAIN GRADE | ON HIGHWAY, STARTING GRADES<16% | 0 | 0 | 0 |
| S | 033A10 | LOADING SURFACE | CONCRETE LOADING AND / OR UNLOADING SURFACE | 0 | 0 | 0 |
| | 0341A2 | VEHICLE VOCATION | PICKUP & DELIVERY / SHORT HAUL SERVICE | 0 | 0 | 0 |

| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
|----------------|--------------------|-----------|---------|-------------------|----------------------------|
| 20190812 | BRUC2019000635F239 | 1/24/2020 | 2 of 23 | JACK COUNTY PCT 1 | BRUCKNER TRUCK SALES, INC. |

| | | | | WEIGHT (LB) | | LIST PRICE |
|----------------------|--------|----------------------------|---|-------------|------|------------|
| ENGINE/TRANSMISSIONS | | DESCRIPTION | | FRONT | REAR | |
| | 100300 | ENGINE PACKAGE, COMBUSTION | MP8-445C MACK 445HP @ 1300-1700 RPM (PEAK) 1950 RPM (GOV) 1860 LB-FT, US'21 | 2,165 | 541 | 1,001 |
| S | Q1CA1X | GEAR SELECTION TUNING | BASIC, GEAR-SELECTION TUNING | 0 | 0 | 0 |
| S | 3GCA1X | GHG APPLICATION, VEHICLE | GREEN HOUSE GAS HIGHWAY APPLICATION | 0 | 0 | 0 |
| S | 1360X6 | TRANSMISSION | MACK TMD12AFO mDRIVE 12 SP-(OVERDRIVE) | 503 | 168 | 0 |
| S | V4EZ9X | GEARBOX 12TH GEAR LOCK-OUT | WITHOUT 12TH GEARBOX GEAR LOCK-OUT | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-------------------|--------|---------------------------------|--|-------------|------|------------|
| EXHAUST/EMISSIONS | | DESCRIPTION | | FRONT | REAR | |
| S | C1RAA4 | CARB 2008 IDLE REGULATION | IDLE EMISSION CERTIFICATION, CARB (WITH DECAL LOCATED ON LOWER LH CORNER / DRIVER DOOR | 0 | 0 | 0 |
| S | DPF04F | DPF DIESEL PARTICULATE FILTER | CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21 | 0 | 0 | 0 |
| S | 8NAA1X | DPF COVER | DPF COVER, PAINTED STEEL | 0 | 0 | 0 |
| S | U6BA1X | DEF TANK COVER | PAINTED FINISH DEF TANK COVER | 0 | 0 | 0 |
| S | DF10N1 | DEF TANK | 18.4 GALLON (70 L) 26" LEFT SIDE FRAME MOUNTED | 0 | 0 | 0 |
| S | 6MDAAX | AD-BLUE TANK VENTILATION FILTER | WITHOUT DEF TANK VENTILATION FILTER | 0 | 0 | 0 |
| S | 130AB6 | EXHAUST | SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT END | 0 | 0 | 0 |
| S | KRXB5X | EXHAUST STACK HEIGHT | 11' 6" FROM GROUND | 0 | 0 | 0 |
| | Q0AC1X | EXHAUST SYSTEM MATERIAL FINISH | SINGLE, BRIGHT FINISH HEAT SHIELD, STACK AND SCR COVER (IF EQUIPPED) | 0 | 0 | 95 |
| | 78AC8X | EMISSION ON BOARD DIAG CONTROL | EMISSION OBD, DISPLAY ONLY, USA2020 | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|------------------|--------|----------------------------|--|-------------|------|------------|
| ENGINE EQUIPMENT | | DESCRIPTION | | FRONT | REAR | |
| S | 125045 | AIR CLEANER | UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD | 0 | 0 | 0 |
| S | 121AA5 | BUG SCREEN | BLACK ALUMINUM MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER | 0 | 0 | 0 |
| S | VWXAZX | COMPRESSOR CAPACITY | MERITOR/WABCO 318 (18.7 CFM) | 0 | 0 | 0 |
| S | VHXEDX | AIR DRYER - MANUFACTURER | WABCO 1200P W/TURBO CUT OFF VALVE, W/COALESCING OIL FILTER, HEATED | 0 | 0 | 0 |
| | 132AB2 | ALTERNATOR | DELCO 12V 135A (35SI) BRUSHLESS | 27 | 0 | 150 |
| S | 316AA6 | BATTERIES | (3) MACK 12V 650/1950 CCA THREADED STUD TYPE | 0 | 0 | 0 |
| S | 393AA9 | BATTERY BOX - MOUNTING | RH RAIL UNDER CAB (3 BATTERY MAX) | 0 | 0 | 0 |
| S | L5XA1X | BATTERY BOX COVER | MOLDED PLASTIC | 0 | 0 | 0 |
| S | NCXA5X | STARTER MOTOR | 12 VOLT DELCO 39MT-MXT | 31 | 0 | 0 |
| S | 110AA6 | ENGINE BRAKE | MACK MP8 POWERLEASH | 0 | 0 | 0 |
| S | JMXB1X | ENGINE BRAKE LIGHTING (CA) | VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000) | 0 | 0 | 0 |
| S | 118AB8 | FAN DRIVE | BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE | 0 | 0 | 0 |
| S | 119AI9 | COOLANT PROTECTION | ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER | 0 | 0 | 0 |

| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
|----------------|--------------------|-----------|---------|-------------------|----------------------------|
| 20190812 | BRUC2019000635F239 | 1/24/2020 | 3 of 23 | JACK COUNTY PCT 1 | BRUCKNER TRUCK SALES, INC. |

| | | | | WEIGHT (LB) | | LIST PRICE |
|------------------|--------|-------------------------------|--|-------------|------|------------|
| ENGINE EQUIPMENT | | DESCRIPTION | | FRONT | REAR | |
| S | 124AA3 | HOSES - RADIATOR/HEATER | MACK EPDM RADIATOR & HEATER HOSES | 0 | 0 | 0 |
| S | 293AA2 | FUEL-WATER SEPARATOR | MACK W/MANUAL DRAIN VALVE (INTEGRAL W/PRIMARY FUEL FILTER) | 0 | 0 | 0 |
| S | MCA00A | ENGINE HEATERS | W/O STARTING AID + W/O BLOCK HEATER + W/O OIL PAN HEATER | 0 | 0 | 0 |
| S | QHXC1X | OIL PAN | OIL PAN | 0 | 0 | 0 |
| S | 36AA1X | TETHER DEV PKG, CAPS & COVERS | FURNISH CAP RETAINER FOR OIL FILL & RADIATOR OVERFLOW TANK | 0 | 0 | 0 |
| S | 2YBZ1X | ENGINE STOP, EMERGENCY (CA) | WITHOUT ENGINE STOP, EMERGENCY | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|------------------------|--------|--------------------------------|--|-------------|------|------------|
| CLUTCH/TRANS EQUIPMENT | | DESCRIPTION | | FRONT | REAR | |
| S | 49200B | GEAR SHIFTER | MACK mDRIVE-PREMIUM SHIFTER | 0 | 0 | 0 |
| S | 133AC7 | CLUTCH | ZF/SACHS SINGLE PLATE 17" (430MM) ORGANIC MATERIAL | 0 | 0 | 0 |
| S | 195AA6 | DRIVELINE - MAIN | MERITOR RPL25 W/PERMALUBE U-JOINTS (PROPS-M) | 9 | 9 | 0 |
| S | 204AA4 | DRIVELINE - INTERAXLE | MERITOR RPL20 W/PERMALUBE | 0 | 34 | 0 |
| S | 76AA1X | PROPELLR SHAFT MAIN, UNVSL JNT | UNIVERSAL JOINT HALF-ROUND TYPE | 0 | 0 | 0 |
| S | 8WAAAX | PROP SHAFT INTERAXL UNIV JOINT | HALF-ROUND UNIVERSAL JOINT | 0 | 0 | 0 |
| S | 4LDA1X | TRANSMISSION OUTPUT TORQUE | TRANSMISSION OUTPUT TORQUE BASIC | 0 | 0 | 0 |
| S | 7RXB1X | LUBRICANTS, TRANSMISSION | SYNTHETIC OIL IN TRANSMISSION | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|----------------------|--------|------------------------------|--|-------------|------|------------|
| FRONT AXLE EQUIPMENT | | DESCRIPTION | | FRONT | REAR | |
| S | 240AA6 | FRONT AXLE | 12000# (5400 KG) MACK FXL12 STRAIGHT SPINDLE/UNITIZED BEARINGS | 0 | 0 | 0 |
| S | 244AB2 | SPRINGS - FRONT | MACK TAPERLEAF HD 12000# (5400 KG) GROUND LOAD RATING, NO BIAS | 0 | 0 | 0 |
| S | 2410A1 | FRONT AXLE BRAKES | MERITOR "S" CAM TYPE 16.5" x 5" Q+ | 16 | 0 | 0 |
| S | U3XA1X | BRAKE, FRONT | CAST IRON | 0 | 0 | 0 |
| S | U0AA1X | FRONT BRAKE ADJ. MANUFACTURE | HALDEX - AUTOMATIC | 0 | 0 | 0 |
| S | V7AB1X | FRONT BRAKE CHAMBER MFG. | FRONT BRAKE CHAMBER MANUFACTURER, HALDEX | 0 | 0 | 0 |
| S | ZGXC1X | FRONT HUBCAP TYPE | STANDARD FRONT HUB CAPS | 0 | 0 | 0 |
| | 0KXA1X | HUB MATERIAL, FRONT | FERROUS | 106 | 0 | -63 |
| S | 245AA5 | STEERING | TRW THP60 POWER | 64 | 0 | 0 |
| S | 7VXC1X | LUBRICANTS, FRONT AXLE | PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|---------------------|--------|------------------------|--|-------------|-------|------------|
| REAR AXLE EQUIPMENT | | DESCRIPTION | | FRONT | REAR | |
| | 268AD0 | REAR AXLES - TANDEM | 40000# (18100kg) MERITOR MT40-14X4D HYPOID (LOW ENTRY) | 0 | 1,396 | 0 |
| S | 6MAA1X | REAR AXLE CASING WIDTH | W/O WIDE TRACK AXLE | 0 | 0 | 0 |
| S | 018AA1 | CARRIER - REAR AXLE | VENDOR CARRIER | 0 | 0 | 0 |

| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
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| 20190812 | BRUC2019000635F239 | 1/24/2020 | 4 of 23 | JACK COUNTY PCT 1 | BRUCKNER TRUCK SALES, INC. |

| | | | | WEIGHT (LB) | | LIST PRICE |
|---------------------|--------|--------------------------------|---|-------------|------|------------|
| REAR AXLE EQUIPMENT | | DESCRIPTION | | FRONT | REAR | |
| | TAXD7X | REAR AXLE RATIO | 3.25 RATIO | 0 | 0 | 0 |
| S | 186AC0 | REAR SUSPENSION - TANDEM | MAXLITE 40 EZ (GEN 2) 40000# | 0 | 966 | 0 |
| S | GWXBYX | BOGIE SPREAD, REAR | 52" AXLE SPACING (BOGIE WHEELBASE) | 0 | 5 | 0 |
| S | ZAXA1X | SUSPENSION LEVELLING DEVICE | ELECTRICAL REGULATION LEVELING DEVICE | 0 | 3 | 0 |
| | J6DB1X | AIR SUSPENSION DUMP WARNING | AIR SUSPENSION DUMP, SPEED LIMITED, WARNING INDICATOR & BUZZER | 0 | 0 | 0 |
| S | YVXA1X | REAR SHOCK ABSORBER | SHOCK ABSORBERS - OUTBOARD MOUNTED ON FORWARD AND REAR AXLES EACH SIDE | 0 | 0 | 0 |
| S | XYXA1X | TRANSVERSE TORQUE RODS, R SUSP | TRANSVERSE TORQUE ROD - ALL AXLES | 0 | 73 | 0 |
| S | 237027 | AUX.SPRING BRAKE QTY | (2) DOUBLE DIAPHRAGM TYPE, MECHANICAL SPRING RELEASE | 0 | 0 | 0 |
| S | 253AC9 | BRAKES - REAR | MERITOR "S" CAM - 16.5"x7" Q+ LIGHTWEIGHT BRAKE STAMPED STEEL SPIDERS (Total for QTY = 2) | 0 | 14 | 0 |
| | MAXBJX | BRAKE LINING MATERIAL DRIVE | BRAKE LINING MATERIAL DRIVE, MERITOR SOR2003 | 0 | 0 | 0 |
| S | U4XA1X | BRAKE, DRIVE, REAR | CAST IRON | 0 | 0 | 0 |
| S | U1AA1X | REAR BRAKE ADJ MANUFACTURE | HALDEX - AUTOMATIC | 0 | 0 | 0 |
| S | V1AB1X | REAR BRAKE CHAMBER SIZE | REAR SPRING BRAKE CHAMBERS 30/30 TYPE | 0 | 0 | 0 |
| S | 300AA3 | REAR BRAKE CHAMBER | HALDEX "GOLD SEAL " BRAKE CHAMBERS (Total for QTY = 2) | 0 | 0 | 0 |
| | 0LXI5X | HUB MATERIAL, DRIVE | IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT | 0 | 318 | -42 |
| S | 3LAC1X | POWER DIVIDER LOCKOUT | POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT | 0 | 40 | 0 |
| S | 7WXA1X | LUBRICANTS, REAR AXLE(s) | FACTORY OPTION LUBE - REAR AXLE | 0 | 0 | 0 |
| | 254AB5 | TRACTION DIFFERENTIAL | DRIVER CONTROLLED INTER WHEEL DIFFERENTIAL LOCK ALL RR AXLES, MANUAL AIR VALVE W/WARNING LIGHT. | 0 | 18 | 1,423 |
| S | 9GAAAX | ABS SENSOR & MODULATOR | 4S/4M SYSTEM REAR WHEEL END SENSORS | 0 | 0 | 0 |
| S | URXD1X | BRAKE VALVE VERSION | BENDIX SWITCHES AND VALVES WHERE POSSIBLE | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|----------------------------|--------|----------------------------|--|-------------|------|------------|
| FRAME EQUIPMENT/FUEL TANKS | | DESCRIPTION | | FRONT | REAR | |
| | 271219 | WHEELBASE | 219" | -15 | -15 | 144 |
| S | 374056 | AF (OVERHANG) | 56" | 3 | 111 | 0 |
| | 274AA4 | FRAME RAILS | STEEL - 266MM X 90MM X 8MM -- (10.47" X 3.54" X .31") | 0 | 0 | 125 |
| S | A0XH2X | FRONT FRAME LENGTH | Standard Bumper Position | 23 | -2 | 0 |
| S | 281AA2 | CROSSMEMBERS | STEEL | 0 | 0 | 0 |
| S | Q5AC4X | REAR CROSSMEMBER OPTIONS | FOR USE W/TAPERED & FLANGED FRAME ENDS (28 DEG) W/BUILT IN TAIL LAMPS | 5 | -15 | 0 |
| S | X6XCBX | REAR FRAME TREATMENT | FURNISH TAPERED & FLANGED FRAME RAIL ENDS (28 DEG) FOR USE W/BUILT IN TAIL LAMPS | 0 | 0 | 0 |
| | 69XD3X | MUDFLAP HANGERS, REAR AXLE | BETTS B87 SERIES WITH CONSPICUITY FEATURE (FMVSS 108) | 0 | 27 | 90 |
| | 67XG1X | MUDFLAP TYPE, REAR AXLE | MUD FLAP, BLACK WITH WHITE "MACK" LETTERS | 0 | 14 | 29 |
| S | 2HXA1X | MUDFLAP, FRONT AXLE | BLACK POLYARMOUR (NO NAME TO APPEAR ON FLAP) (NOT ANTI-SPRAY TYPE) | 0 | 0 | 0 |
| S | 4DXP1X | FRONT BUMPER | FLUSH-STAINLESS CLAD ALUMINUM | 98 | -4 | 0 |

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| | | | | WEIGHT (LB) | | LIST PRICE |
|----------------------------|--------|--------------------------------|---|-------------|------|------------|
| FRAME EQUIPMENT/FUEL TANKS | | DESCRIPTION | | FRONT | REAR | |
| S | 2RAA1X | FUEL LEVEL SENDER UNIT, LIQUID | BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK | 0 | 0 | 0 |
| S | 288AB7 | FUEL TANK - LH | 93 GALLON (350 L) 26" ALUMINUM ROUND | 75 | 31 | 0 |
| | 290AA1 | FUEL TANK - RH | W/O RH FUEL TANK | 0 | 0 | -547 |
| S | JHXA1X | FUEL HOSES, LIQUID | NYLON TUBE | 0 | 0 | 0 |
| | 12AA1X | FUEL LINE OPTIONS, LIQUID | W/O FUEL LINE OPTION | -2 | 0 | -107 |
| S | KFXA1X | FUEL TANK CAP | NON-LOCKABLE FUEL TANK CAP | 0 | 0 | 0 |
| S | Q2AA1X | CAB INSTEP VERSION | STANDARD 2 STEP CAB ACCESS | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-----------|--------|-------------------------|---|-------------|------|------------|
| AIR/BRAKE | | DESCRIPTION | | FRONT | REAR | |
| | UWXC1X | AIRTANK DRAIN VALVE | MANUAL (PETCOCK) DRAIN VALVES ON ALL TANKS | 0 | 0 | -22 |
| S | U2XB1X | AIRTANK MATERIAL | STEEL | 0 | 0 | 0 |
| S | 141AA1 | RELOCATE AIR RESERVOIRS | W/O RELOCATED AIR TANKS | 0 | 0 | 0 |
| S | 1JAABX | PARKING BRAKE VALVE | TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND TRACTOR-TRAILER PARK | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|------------|--------|------------------------|--|-------------|------|------------|
| ELECTRICAL | | DESCRIPTION | | FRONT | REAR | |
| | 5RXA6X | BACK-UP ALARM | ECCO BACK-UP ALARM 575 CONSTANT SOUND LEVEL 107 dB | 0 | 3 | 108 |
| S | 312AA6 | ROOF MARKER LIGHT | (5) TRUCKLITE LED CHROME BULLET TYPE LAMPS | 3 | 0 | 0 |
| S | LSXH1X | DAYTIME RUNNING LIGHTS | PARK BRAKE AND ENGINE RUNNING ACTIVATED | 0 | 0 | 0 |
| S | NEXK2X | TAIL LAMPS | LED STOP & TAIL LAMPS W/BACKUP LAMP & LICENSE PLATE MTD IN TAPERED CROSSMEMBER | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|---------------------|--------|-------------------------------------|--|-------------|------|------------|
| TRAILER CONNECTIONS | | DESCRIPTION | | FRONT | REAR | |
| S | 330AI6 | FIFTH WHEEL | AIR - JOST JSK37USL SERIES, LH RELEASE (AVAIL: 6.73",7.76",8.74") | 0 | 0 | 0 |
| S | 6DXH1X | 5TH WHEEL MOUNTING BRACKETS | SLIDING 5TH WHEEL MTG, 24" TRAVEL | 0 | 0 | 0 |
| S | LIXA1X | FIFTH WHEEL ANGLE MATERIAL | STEEL FIFTH WHEEL ANGLES | 0 | 0 | 0 |
| S | 9DAABX | 5TH WHEEL ANGLE THICKNESS | 5TH WHEEL ANGLE, 10MM THICKNESS | 0 | 0 | 0 |
| S | 6BX5XX | 5TH WHEEL OFFSET | 50" BOGIESPREAD = -1" OFFSET, 52" BS = 0", 54" BS = 1", 55" BS = 1.5", 4x2 = - 26" | 0 | 0 | 0 |
| | E5BADX | GROUND TO 5TH WHEEL TOP HGT. | 1220MM (48") GROUND TO 5TH WHEEL TOP HEIGHT | 0 | 0 | 0 |
| | 6EXBMX | FIFTH WHEEL LEG-HEIGHT (KAX Result) | 171MM (6.75"), FIFTH WHEEL LEG-HEIGHT (SELECTED BY KAX) | 0 | 0 | 0 |
| S | 53XBAX | TRAILER GLAD HAND COUPLINGS | GLAD HAND COUPLINGS - NORTH AMERICAN STD | 0 | 0 | 0 |
| S | WGXA1X | TRAILER BRAKE VALVE | HAND CONTROL VALVE FOR TRAILER BRAKES W/ AIR CONNECTIONS OR SERVICE BRAKES W/O AIR CONNECTIONS | 0 | 0 | 0 |
| S | WHXQ1X | TRAILER CONNECTION POSITION | TRAILER AIR BRAKE CONNECTIONS, BACK OF CAB | 0 | 0 | 0 |
| S | 7KXA3X | TRAILER ACCESS PACKAGE | LOW PROFILE DECK PLATE | 18 | 45 | 771 |

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| TRAILER CONNECTIONS | | DESCRIPTION | | FRONT | REAR | |
| S | 51XD1X | TRAILER BRAKE HOSEHANGER | HOSE TENDER, POGO STICK (CHASSIS MOUNTED) | 0 | 0 | 0 |
| S | 321021 | TRAILER ELECTRICAL RECEPT | SINGLE, 7 PINS STD SAE TYPE, BACK OF CAB | 0 | 0 | 0 |
| S | 5ZXC1X | TRAILER BRAKE HOSES & CABLES | TRAILER AIR HOSES (12' NON-COILED TYPE) | 0 | 0 | 0 |
| S | 2UAA1X | TRAILR ELECTRICAL CABLE CONFIG | TRAILER ELECTRICAL CORD (12' NON-COILED TYPE) | 0 | 0 | 0 |
| S | 3SAA1X | TRAILER CONNECTORS HOLDER | ELECTRICAL PLUG HOLDER (INCLUDES GLAD HAND STORAGE) | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-----|--------|--------------------------------|--|-------------|------|------------|
| PTO | | DESCRIPTION | | FRONT | REAR | |
| S | 189AK9 | PTO - REAR MOUNTED | W/O TRANSMISSION MOUNTED PTO - (mDRIVE ONLY) | 0 | 0 | 0 |
| S | 2WAZ1X | PTO TRANS NEUTRAL CONTRL CHECK | W/O NEUTRAL CONTROL | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|---------------------|--------|--------------------------------|---|-------------|------|------------|
| SPECIALTY EQUIPMENT | | DESCRIPTION | | FRONT | REAR | |
| S | 2QEZ1X | BLINDSPOT DETECTION ALARM | WITHOUT BLINDSPOT DETECTION AUDIO ALARM DISABLE | 0 | 0 | 0 |
| S | MCCZ1X | LANE SUPPORT SYSTEM (LSS) | WITHOUT LANE DEPARTURE SYSTEM | 0 | 0 | 0 |
| | D5XH1X | UNIQUE DECALS MACHINE DIRECTIV | DECALS READING: ("CAUTION SUSPENSION MUST BE LOWERED BEFORE DUMP BODY IS LIFTED") | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-------------------------|--------|--------------------------------|--|-------------|------|------------|
| CAB INTERIOR (A THRU G) | | DESCRIPTION | | FRONT | REAR | |
| S | 198048 | GAUGES - UNIT OF MEASURE | U.S. UNITS (PREDOMINANT) | 0 | 0 | 0 |
| | CCXF1X | GUAGE - PACKAGE, SECONDARY | 2ND GA PKG W/ENG OIL TEMP,TRANS OIL TEMP,PYRO,APP AIR PRESS | 0 | 0 | 0 |
| | E0AAAX | GAUGE - TRANSMISSION OIL TEMP | TRANSMISSION OIL TEMP GAUGE | 0 | 0 | 55 |
| | D9AAAX | GAUGE - EXHAUST PYROMETER | EXHAUST PYROMETER GAUGE | 0 | 0 | 55 |
| | I2AAAX | SERVICE TRAILER BRAKE PRESSURE | BRAKE PRESSURE APPLICATION GAUGE, ELECTRONIC | 0 | 0 | 55 |
| S | 173AA5 | AIR CONDITIONING/HEATER | BLEND AIR HVAC W/"ATC" TEMP REGULATION | 0 | 0 | 0 |
| S | I0XAHX | DOME LAMP, INTERIOR | (4) DOME LAMPS - DOOR AND SWITCH ACTIVATED | 0 | 0 | 0 |
| | 7860E6 | FIRE EXTINGUISHER | 5LB (ABC RATED) MOUNTED BETWEEN DRIVER SEAT BASE AND DOOR VALVE AIMED REARWARD | 9 | 0 | 80 |
| | 184AA3 | FLOOR COVERING | POLYURETHANE FLOOR MAT W/ REMOVABLE INSERTS | 16 | 0 | 90 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-------------------------|--------|--------------------------|-----------------------------------|-------------|------|------------|
| CAB INTERIOR (H THRU R) | | DESCRIPTION | | FRONT | REAR | |
| S | C52082 | INSTMNT CLUSTER LANGUAGE | DEFAULT: ENGLISH, SPANISH, FRENCH | 0 | 0 | 0 |
| S | 20XA1X | KEY TYPES FOR DOORS | ALL CHASSIS KEYED AT RANDOM | 0 | 0 | 0 |
| S | 13AA1X | DOOR OPENING OPTIONS | W/O ELECTRONIC KEYLESS ENTRY | 0 | 0 | 0 |

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| CAB INTERIOR (H THRU R) | | DESCRIPTION | | FRONT | REAR | |
| S | 17400N | AUDIO ACCOMMODATION | PREMIUM STEREO, AM/FM, CD-PLAYER, MP3, WEATHER BAND, BLUETOOTH | 0 | 0 | 0 |
| S | 73AJ1X | ANTENNA - RADIO | 48" ANTENNA RIGHT SIDE MIRROR MOUNTED | 0 | 0 | 0 |
| | 5BXB5X | ANTENNA - CB RADIO | 48" ANTENNA LEFT SIDE MIRROR MOUNTED | 0 | 0 | 55 |
| S | 0LAA1X | AUDIO SHUTOFF | AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE | 0 | 0 | 0 |
| S | 1WAB1X | POWER LEADS | POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE | 0 | 0 | 0 |
| S | 5CXB2X | AUDIO SPEAKER LOCATION | SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL | 0 | 0 | 0 |
| S | 5JXALX | COM.RADIO PREP KIT (CB) | MOUNTING PLATE AND VELCRO STRAP IN HEADER CONSOLE | 0 | 0 | 0 |
| S | IFXB1X | REAR WALL STORAGE COMPARTMENT | STORAGE POUCH REAR | 0 | 0 | 0 |
| | 784044 | REFLECTOR KIT | W/O SLEEPER BOX FURNISH KIT PARALLEL TO OUTSIDE SURFACE OF RIDER'S SEAT BASE | 12 | 5 | 34 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-------------------------|--------|-----------------------------|--|-------------|------|------------|
| CAB INTERIOR (S THRU Z) | | DESCRIPTION | | FRONT | REAR | |
| | 004034 | INTERIOR TRIM LEVELS | PREMIUM PACKAGE, STEEL GRAY (Package 12A) | 0 | 0 | 695 |
| S | 196AAA | SEAT - DRIVER'S | MACK-AIR, HIGH BACK, 1 CHAMBER AIR LUMBAR | 0 | 0 | 0 |
| S | MAPB2X | SEAT COVERING - DRIVER'S | DRIVER'S SEAT - STEEL GREY VINYL | 0 | 0 | 0 |
| S | 197AA1 | SEAT - PASSENGER'S | MACK-FIXED, HIGH BACK | 0 | 0 | 0 |
| S | MAQB2X | SEAT COVERING - PASSENGER'S | PASSENGER'S SEAT - STEEL GREY VINYL | 0 | 0 | 0 |
| | 3PXC1X | SEAT ARMREST | INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT | 5 | 3 | 50 |
| S | 592092 | SEAT BELT(S) | LAP & SHOULDER (BOTH SEATS) CAB MOUNTED SHOULDER BELT ADJUSTMENT (NOT AVAIL W/EXTENDED RIDER SEAT) | 0 | 0 | 0 |
| | 161021 | STEERING WHEEL | 2 SPOKE LEATHER GRIP, SATIN ALUMINUM SPOKES, WITH SWITCHES | 0 | 0 | 28 |
| S | WSXBAX | WINDSHIELD TYPE | 2-PIECE WINDSHIELD | 0 | 0 | 0 |
| S | 145AA1 | CAB GLASS | TINTED WINDSHIELD & SIDE WINDOWS & REAR WINDOW (IF EQUIPPED) | 0 | 0 | 0 |
| S | 148AA3 | WINDSHIELD WIPERS | 2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|--------------|--------|---------------------------|---|-------------|------|------------|
| CAB EXTERIOR | | DESCRIPTION | | FRONT | REAR | |
| S | 0EAC1X | AIR INTAKE GRILLE, FINISH | BLACK GRILLE | 0 | 0 | 0 |
| S | 4UAA1X | HOOD LATCH, FINISH | PAINTED HOOD LATCHES | 0 | 0 | 0 |
| S | 400AG0 | GRILLE | HERITAGE DESIGN CHROME GRILLE W/ BLACK BACKGROUND | 0 | 0 | 0 |
| S | Q4XADX | DOOR WINDOW FRONT | AUX. WIN. DOOR ON RIGHT SIDE NON STG WHL POS. DEPEND | 0 | 0 | 0 |
| S | 5870G7 | GRAB HANDLES | PREMIUM BLACK EXTERIOR CAB GRAB HANDLE, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST | 0 | 0 | 0 |
| S | 154AA2 | HORN - AIR | (1) MACK RECTANGULAR SINGLE TRUMPET | 5 | 0 | 0 |
| S | LXXC1X | HORN - ELECTRICAL | SINGLE TONE | 0 | 0 | 0 |

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| CAB EXTERIOR | | DESCRIPTION | | FRONT | REAR | |
| S | 152AB6 | MIRRORS - EXTERIOR | AERO MIRROR - BODY COLOR, HEATED & MOTORIZED both sides, WIDE ANGLE both sides, W/O LAMPS | 3 | 0 | 0 |
| | 157037 | SUN VISOR - EXTERIOR | SUN VISOR, EXTERIOR, STAINLESS STEEL (UNPAINTED) | 9 | 0 | 364 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|----------------|--------|----------------------------------|--|-------------|-------|------------|
| WHEELS & TIRES | | DESCRIPTION | | FRONT | REAR | |
| | 900AU0 | TIRES BRAND/TYPE - FRONT | 11R24.5 G BRIDGESTONE R268 ECOPIA (13220 lbs) (Total for QTY = 2) | 261 | 0 | 196 |
| | 4WCE1X | GHG STEER TIRE CATEGORY (PAWS) | BASIC ROLLING RESISTANCE, POOR FUEL ECONOMY | 0 | 0 | 0 |
| | 5310M1 | WHEELS - FRONT | 24.5x8.25 ALCOA ULTRA ONE ALUM DISC 10-HP; 11.25" BC, 5.73"INSET (Total for QTY = 2) | 102 | 0 | 86 |
| S | 49AALX | WHEEL FINISHING, FRONT | MACHINE CLEAN BUFFED-ALL WHEELS (Total for QTY = 2) | 0 | 0 | 0 |
| S | FWT002 | FRONT AXLE TIRE & WHEEL QUANTITY | TWO FRONT TIRES & WHEELS | 0 | 0 | 0 |
| | 901091 | TIRES BRAND/TYPE - REAR | 11R24.5 G BRIDGESTONE M760 ECOPIA (24020 lbs) (DRIVE ONLY) (Total for QTY = 8) | 0 | 1,112 | 248 |
| | 4XCC1X | GHG DRIVE TIRE CATEGORY (PAWS) | LOW ROLLING RESISTANCE, BETTER FUEL ECONOMY | 0 | 0 | 0 |
| | 3460P6 | WHEELS - REAR | 24.5x8.25 ALCOA ULTRA ONE ALUM DISC 10-HP, 11.25" BC, 6.60" OFFSET (Total for QTY = 8) | 0 | 406 | 344 |
| S | 2350E5 | REAR DISC WHEEL:POLISH | MACHINE CLEAN BUFFED - ALL WHEELS (Total for QTY = 8) | 0 | 0 | 0 |
| S | RWT008 | REAR AXLE TIRE & WHEEL QUANTITY | EIGHT REAR AXLE TIRES & WHEELS | 0 | 0 | 0 |
| S | H1EB1X | DRIVE WHEEL STUDS | DRIVE WHEEL STUDS LONGER LENGTH | 0 | 0 | 0 |
| S | 0XXZ1X | WHEEL TRIM PACKAGE DRIVE AXLE | WITHOUT WHEEL TRIM PACKAGE DRIVE | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-----------------------|--------|--|---|-------------|------|------------|
| COMMUNICATION SYSTEMS | | DESCRIPTION | | FRONT | REAR | |
| S | 3YAA1X | CO-PILOT - DISPLAY FEATURES ACCESS LEVEL | CO-PILOT DISPLAY, DRIVER ACCESS LEVEL 1 | 0 | 0 | 0 |
| S | M30060 | TELEMATIC GATEWAY | TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|--------------------|--------|-----------------------------------|---|-------------|------|------------|
| ENGINE ELECTRONICS | | DESCRIPTION | | FRONT | REAR | |
| S | WOXA1X | OIL PRESSURE, ENGINE SHUTDOWN | OIL PRESSURE, ENGINE SHUTDOWN | 0 | 0 | 0 |
| S | WMXA1X | COOLANT TEMP, ENGINE SHUTDOWN | COOLANT TEMP, ENGINE SHUTDOWN | 0 | 0 | 0 |
| S | K5XA2X | ENGINE PROTECTION SYSTEM | ENGINE PROTECTION (SHUTDOWN) | 0 | 0 | 0 |
| S | K7XH3X | ENGINE IDLE CONTROL | IDLE CONTROL, 650 RPM | 0 | 0 | 0 |
| S | X0AB0X | SMART IDLE ELEVATED IDLE RPM TIME | INCREASE 10 MINUTE MAXIMUM TIME | 0 | 0 | 0 |
| S | M3CA1X | IDLE S/D ABS TAMPER CHECK | IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED | 0 | 0 | 0 |
| S | A8AALX | IDLE S/D IF WARM-UP TEMP | 38C DEG (100F), WARM UP TEMP DELAY | 0 | 0 | 0 |
| S | A4AAEX | IDLE S/D WARM-UP TIMER | 5 MIN. WARM UP TIME DELAY | 0 | 0 | 0 |

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| ENGINE ELECTRONICS | | DESCRIPTION | | FRONT | REAR | |
| S | B0AAAX | IDLE SHUTDOWN IF POWER > LIMIT | ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT | 0 | 0 | 0 |
| S | M4CB1X | IDLE S/D OVERRIDE %ENGINE LOAD | IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD | 0 | 0 | 0 |
| S | D2AAFX | AMBIENT TEMP MIN TRESHOLD | AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F) | 0 | 0 | 0 |
| S | D3AAEX | AMBIENT TEMP MAX TRESHOLD | AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F) | 0 | 0 | 0 |
| S | B3ABAX | EL HD THROTTLE,MAX ROAD SPEED | ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH) | 0 | 0 | 0 |
| S | B6ABAX | EL HAND THROTTLE,MAX ENG SPEED | ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 1000 RPM | 0 | 0 | 0 |
| S | B4ADAX | EL HAND THROTTLE,MIN ENG SPEED | ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|--------------------------|--------|--|--|-------------|------|------------|
| TRANSMISSION ELECTRONICS | | DESCRIPTION | | FRONT | REAR | |
| | M050T5 | TRANSMISSION DRIVE MODE PACKAGES, mDRIVE | mDRIVE- NORMAL - ECON, & PERF DRIVE MODES, AUTO RETURN (premium) | 0 | 0 | 0 |
| S | M08038 | ECONO ROLL | ECONO ROLL DISABLE mDRIVE (REQUIRED FOR ALL OTHER TRANSMISSIONS) | 0 | 0 | 0 |
| S | 6SAA1X | TRANSMISSION KICK-DOWN MODE | MACKCELLERATOR ENABLE | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|---------------------|--------|--------------------------------|--|-------------|------|------------|
| VEHICLE ELECTRONICS | | DESCRIPTION | | FRONT | REAR | |
| S | JDXA1X | CRUISE CONTROL | CRUISE CONTROL | 0 | 0 | 0 |
| S | JFXLLX | CRUISE CONTROL, MAX SPEED | MAX CRUISE, 105 KPH (65 MPH) | 0 | 0 | 0 |
| S | E3AACX | CRUISE CONTROL MIN SPEED | MIN CRUISE, 32 KPH (20 MPH) | 0 | 0 | 0 |
| S | E4AAAX | CRUISE RESUME WITH CLUTCH | CRUISE RESUME WITH CLUTCH | 0 | 0 | 0 |
| S | E5AACX | ENG BRK ENGAGE IN CRUISE | ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED | 0 | 0 | 0 |
| S | Y3CC1X | PEDAL RSL SETTING | 101 KM/H PEDAL ROAD SPEED LIMITER (63MPH) | 0 | 0 | 0 |
| S | JCXE6X | ROAD SPEED LIMITER SETTING | 105 KM/H ROAD SPEED LIMITER(65 MPH) | 0 | 0 | 0 |
| S | X2BB1X | ROAD SPEED LIMIT CONTROL TYPE | RSL CONTROL TYPE NORMAL | 0 | 0 | 0 |
| S | L2CA1X | PDLO ENGAGED VLS | POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 8KMH (5MPH) | 0 | 0 | 0 |
| S | W5BA1X | MAXIMUM ENG SPEED AT 0 MPH | 1000 MAXIMUM ENGINE SPEED AT 0 MPH | 0 | 0 | 0 |
| S | A4BAAX | DETECTION SPEED SENSR TMPRNG | DETECTION OF SPEED SENSOR TAMPERING, ENABLE | 0 | 0 | 0 |
| S | 8RXAEX | ENG TORQUE LIMIT,SPEED SENSOR | ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED | 0 | 0 | 0 |
| S | X3CB1X | DRIVER ID FUNCTION | DRIVER ID FUNCTION, DISABLED | 0 | 0 | 0 |
| S | 0PAZ1X | DR PERFORMANCE PARAMETERS | WITHOUT DRIVER PERFORMANCE PARAMETERS | 0 | 0 | 0 |
| S | G5AAHX | ENGINE OVERSPEED,ALL COND, LOG | ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM | 0 | 0 | 0 |
| S | G2AAGX | ENGINE OVERSPEED,FUELED, LOG | ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM | 0 | 0 | 0 |

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| VEHICLE ELECTRONICS | | DESCRIPTION | | FRONT | REAR | |
| S | G4AAUX | VEHICLE OVERSPEED,ALL COND,LOG | VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH) | 0 | 0 | 0 |
| S | G3AAPX | VEHICLE OVERSPEED, FUELED, LOG | VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH) | 0 | 0 | 0 |
| S | G1AABX | ENGINE IDLE DELAY TO LOG | ENGINE IDLE DELAY TO START LOG, 2 MIN | 0 | 0 | 0 |
| S | W9A01X | PERIODIC TRIP LOG DAY OF MONTH | PERIODIC TRIP LOG, DAY 1 OF THE MONTH | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-----------------|--------|---------------------------|--|-------------|------|------------|
| PTO ELECTRONICS | | DESCRIPTION | | FRONT | REAR | |
| S | Y9CR1X | TRANS PTO1 SPLITTER RANGE | PTO1 FOR SPLITTER RANGE - KEYPAD REMOTE CONTROLLED | 0 | 0 | 0 |
| S | Z1CR1X | TRANS PTO2 SPLITTER RANGE | PTO2 FOR SPLITTER RANGE - KEYPAD REMOTE CONTROLLED | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-------|--------|----------------------------|--|-------------|------|------------|
| PAINT | | DESCRIPTION | | FRONT | REAR | |
| S | 950AC0 | PAINT DESIGN | SINGLE COLOR | 0 | 0 | 0 |
| S | 924014 | PAINT TYPE | SOLID PAINT | 0 | 0 | 0 |
| | 944CQ2 | PAINT COLOR - FIRST COLOR | GLACIER WHITE; P3029 | 0 | 0 | 0 |
| S | 945998 | PAINT COLOR - SECOND COLOR | NO SECOND TRUCK COLOR PROVIDED; NO COLOR | 0 | 0 | 0 |
| S | 946998 | PAINT COLOR - THIRD COLOR | NO THIRD TRUCK COLOR PROVIDED; NO COLOR | 0 | 0 | 0 |
| S | 996AA3 | PAINT - CAB PAINT SYSTEM | PAINT - CAB, URETHANE CLEAR COAT | 0 | 0 | 0 |
| S | 940944 | MIRROR COVER COLOR | SAME AS FIRST COLOR - MIRROR COVER | 0 | 0 | 0 |
| S | MPA998 | ROOF FAIRING COLOR | WITHOUT ROOF FAIRING | 0 | 0 | 0 |
| S | 951AA6 | CHASSIS RUNNING GEAR | MACK BLACK (URETHANE) | 0 | 0 | 0 |
| S | 958028 | BUMPER | W/O OPTIONAL BUMPER PAINT | 0 | 0 | 0 |
| S | 954AA1 | PAINTED DISC WHEELS, FRONT | WITHOUT PAINT | 0 | 0 | 0 |
| S | 955AA1 | PAINTED DISC WHEELS, REAR | WITHOUT PAINT | 0 | 0 | 0 |
| S | 962032 | HUBS & DRUMS-FRONT | SAME AS CHASSIS RUNNING GEAR | 0 | 0 | 0 |
| S | 963033 | HUBS & DRUMS-REAR | SAME AS CHASSIS RUNNING GEAR | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|------------------------|--------|---------------------------------|--|-------------|------|------------|
| CALCULATED CODES - KAX | | DESCRIPTION | | FRONT | REAR | |
| S | 9JXA1X | PROPCALC SELECTION | YES, THE ORDER MUST BE CALCULATED | 0 | 0 | 0 |
| | D5EA1X | AUTO ROUTING & CLIPPING, CENTER | AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION | 0 | 0 | 0 |

| | | | | WEIGHT (LB) | | LIST PRICE |
|-------------------------------------|--------|------------------------|--|-------------|------|------------|
| BASE WARRANTY & PURCHASED COVERAGES | | DESCRIPTION | | FRONT | REAR | |
| S | 898002 | VEHICLE WARRANTY TYPE | NORMAL DUTY WARRANTY CLASSIFICATION | 0 | 0 | 0 |
| S | M50020 | BASIC CHASSIS COVERAGE | NORMAL DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000KM) | 0 | 0 | 0 |

| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
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| | | | | WEIGHT (LB) | | LIST PRICE |
|-------------------------------------|--------|---|--|-------------|------|------------|
| BASE WARRANTY & PURCHASED COVERAGES | | | DESCRIPTION | FRONT | REAR | |
| S | M51021 | ENGINE WARRANTY | MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM) | 0 | 0 | 0 |
| S | M52022 | EMISSION COMPONENT COVERAGE | US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM) | 0 | 0 | 0 |
| S | M54054 | TRANSMISSION WARRANTY | mDRIVE TRANSMISSION NORMAL DUTY COVERAGE: 60 MONTHS OR 750,000 MILES | 0 | 0 | 0 |
| S | M55055 | CARRIER & AXLE HOUSING WARRANTY | STANDARD VENDOR NORMAL / HEAVY DUTY COVERAGE 36 MONTHS/350,000 (563,00 KM) | 0 | 0 | 0 |
| S | M56026 | AIR CONDITIONING WARRANTY | AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE | 0 | 0 | 0 |
| S | M57027 | CHASSIS TOWING WARRANTY | STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES | 0 | 0 | 0 |
| S | M58028 | ENGINE TOWING WARRANTY | STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM) | 0 | 0 | 0 |
| S | M690F9 | GUARDDOG CONNECT BUNDLE | 24 MONTH - GUARDDOG CONNECT WITH MACK OTA (with ASIST and Mack OneCall)) | 0 | 0 | 0 |
| S | M67017 | PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION | W/O PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION COVERAGE | 0 | 0 | 0 |
| FRONT / REAR AXLE WEIGHTS (LB) | | | | 8863 | 8116 | |
| TOTAL WEIGHT (LB) | | | | 16,978 | | |

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MACK



Pricing Summary
PINNACLE 64T DAYCAB FAST MACK

| | | | |
|--|-----------------------------------|---------------------|--------------|
| VEHICLE PRICE | | | |
| | | | \$108,930.00 |
| EXTERNAL LOCALS | | | |
| | Minimizer Poly 1/2 Fenders | | \$900.00 |
| | Install 2 switches for belly dump | | \$125.00 |
| TOTAL VEHICLE PRICE | | | \$109,955.00 |
| FRET EXEMPT ITEMS | | | |
| | ETAG FEE | | \$5.00 |
| TOTAL FRET EXEMPT ITEMS *INCL TOTAL SOFT OFFERS AND WARRANTY | | | \$5.00 |
| TAX SUMMARY | | | |
| | | AMT. SUBJECT TO TAX | |
| | FRET | \$109,960.00 | \$0.00 |
| TOTAL TAX | | | \$0.00 |
| TOTAL SELLING PRICE (PER UNIT) | | | \$109,960.00 |

JACK COUNTY PCT 1

DATE

Steve Townsend 1-24-2020

BRUCKNER TRUCK SALES, INC. DATE

| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
|-------------------|--------------------|-----------|----------|-------------------|----------------------------|
| 20190812 | BRUC2019000635F239 | 1/24/2020 | 13 of 23 | JACK COUNTY PCT 1 | BRUCKNER TRUCK SALES, INC. |

| Inputs Required | Inputs | UOM |
|----------------------|--|-------|
| Vehicle Type | Aero Muscle Hood - Roof Fairing (0.60) | MPH |
| Performance Level | >67 MPH / >108KPH | MPH |
| Frontal Area | 110.0 | FEET² |
| Accessory Power Loss | 11.0 | HP |

VEHICLE SPECIFICATION SUMMARY

| | | |
|--------------------------------|---|---------------------|
| Model | PINNACLE 64T | |
| Gross Combination Weight | 80,000 LB (36 TONNES) GROSS COMBINATION WEIGHT | |
| Vehicle Application | ON HIGHWAY, STARTING GRADES<16% | |
| Body/Trailer Type | BOTTOM-DUMP TRAILER | |
| Loading/Unloading Surface Type | CONCRETE LOADING AND / OR UNLOADING SURFACE | |
| Engine | MP8-445C MACK 445HP @ 1300-1700 RPM (PEAK) 1950 RPM (GOV) 1860 LB-FT, US'21 | |
| Peak Power | HP | 445.0 @ 1300 - 1800 |
| Peak Torque | Newton Meters | 2508 @ 1125 |
| Transmission | MACK TMD12AFO mDRIVE 12 SP-(OVERDRIVE) | |
| Rear Axle | 40000# (18100kg) MERITOR MT40-14X4D HYPOID (LOW ENTRY) | |
| Rear Axle Ratio | 3.25 | |
| Rear Tire | 11R24.5 G BRIDGESTONE M760 ECOPIA (24020 lbs) (DRIVE ONLY) | |
| Tire Revolutions per Mile | | 470 |
| Total Reduction | | 2.54 |

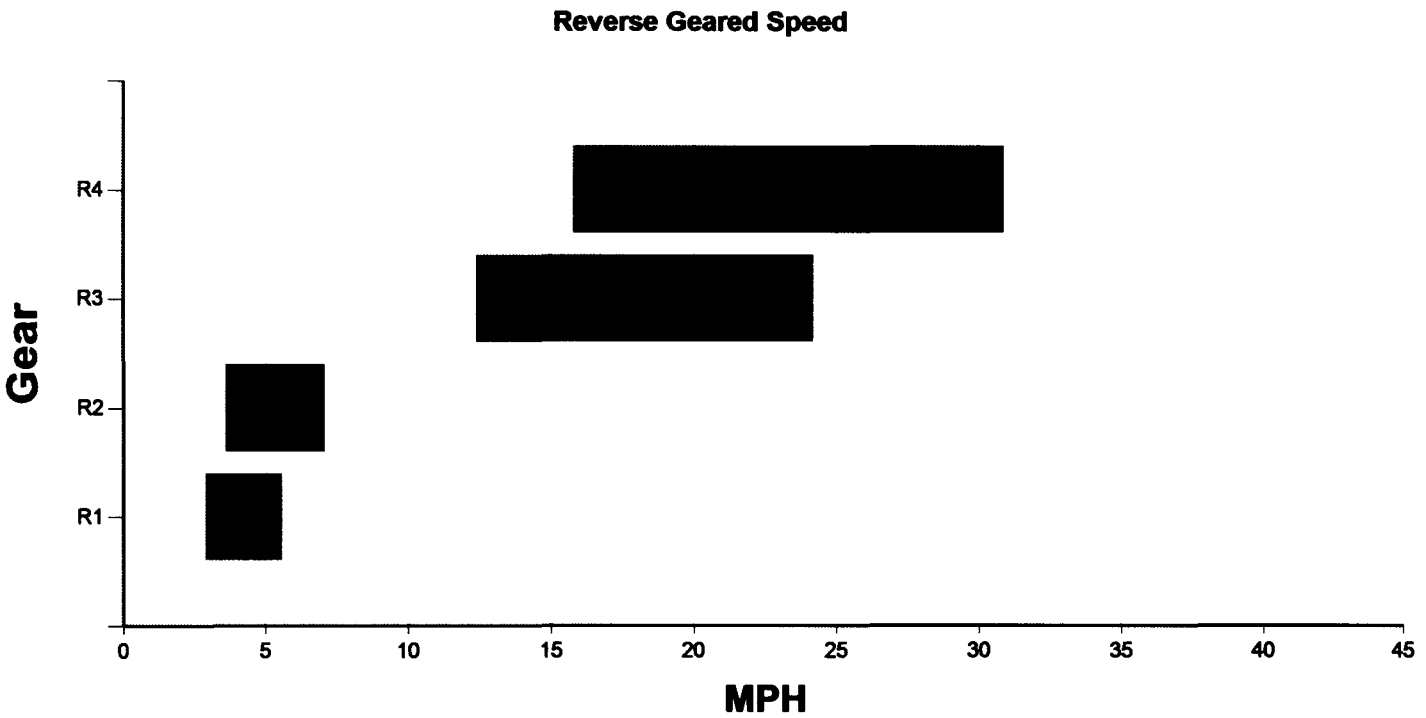
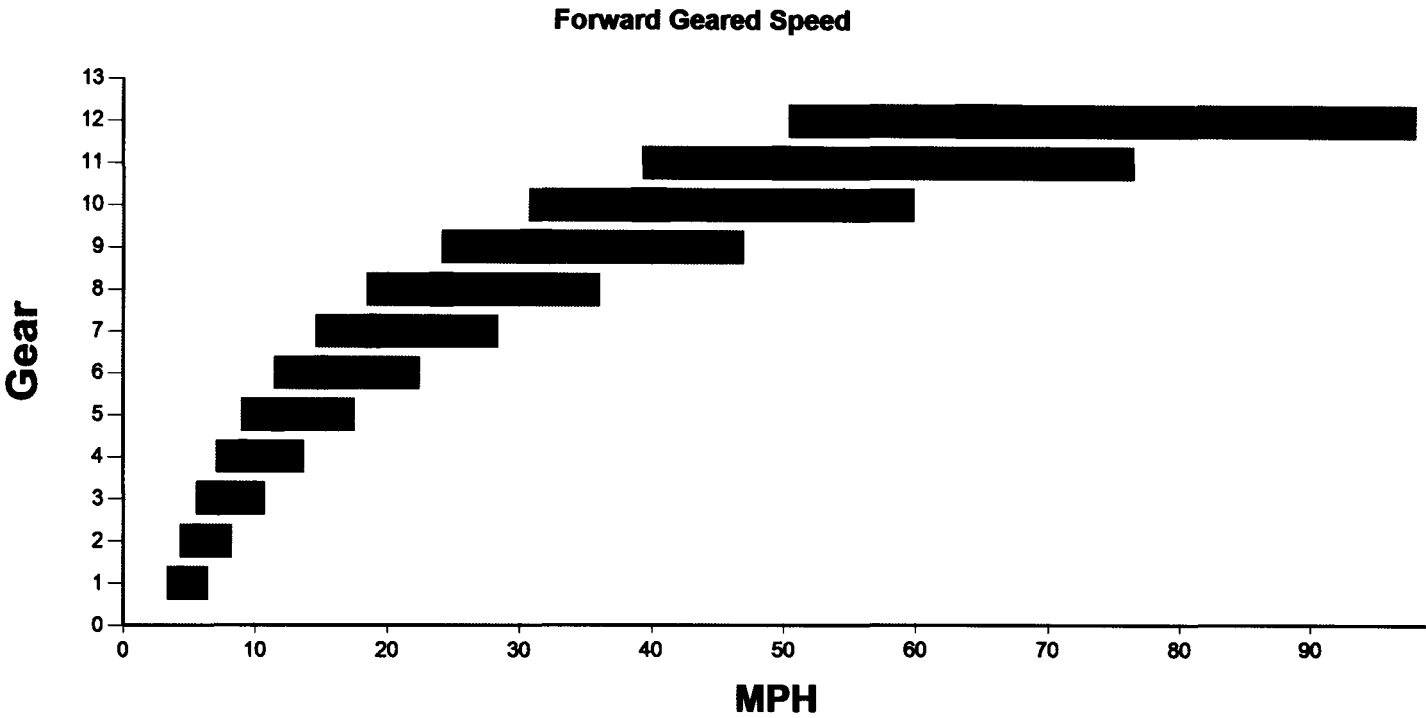
CALCULATED PERFORMANCE SUMMARY

| | Speed | UOM | RPM | Desired / Recommended Value | Status |
|--|--------------------|-----|-------------|-----------------------------|--------|
| Engine RPM @ 65 MPH | 65.2 | MPH | 1295 | | |
| Engine RPM @ Desired Cruise Speed | 65.2 | MPH | 1295 | 1250 - 1350 rpm | |
| Engine RPM @ Road Speed Limit (RSL) | 65.2 | MPH | 1295 | < 1950 rpm | |
| Sweet Spot Cruise Speed Range in Top Gear | 63.0 - 68.0 | MPH | 1250 - 1350 | | |
| Top Gear Speed Range | 50.4 - 98.2 | MPH | 1000 - 1950 | 74.6 MPH | |
| Minimum Practical Speed In Reverse | 1.7 | MPH | 600 | | |
| Maximum Practical Speed in Reverse | 5.6 | MPH | 1950 | | |
| Minimum Practical Speed In Lowest Forward Gear | 2.0 | MPH | 600 | | |
| Maximum Practical Speed In Lowest Forward Gear | 6.5 | MPH | 1950 | | |
| | Concrete / Asphalt | | UOM | | |
| Wheel HP Required at (65 MPH) Cruise Speed | 239.9 / 264.5 | | HP | | |
| Wheel HP Required at (75 MPH) Road Speed Limit | 239.9 / 264.5 | | HP | | |
| Wheel HP Required at (92 MPH) Top Speed | 605.9 / 647.4 | | HP | | |

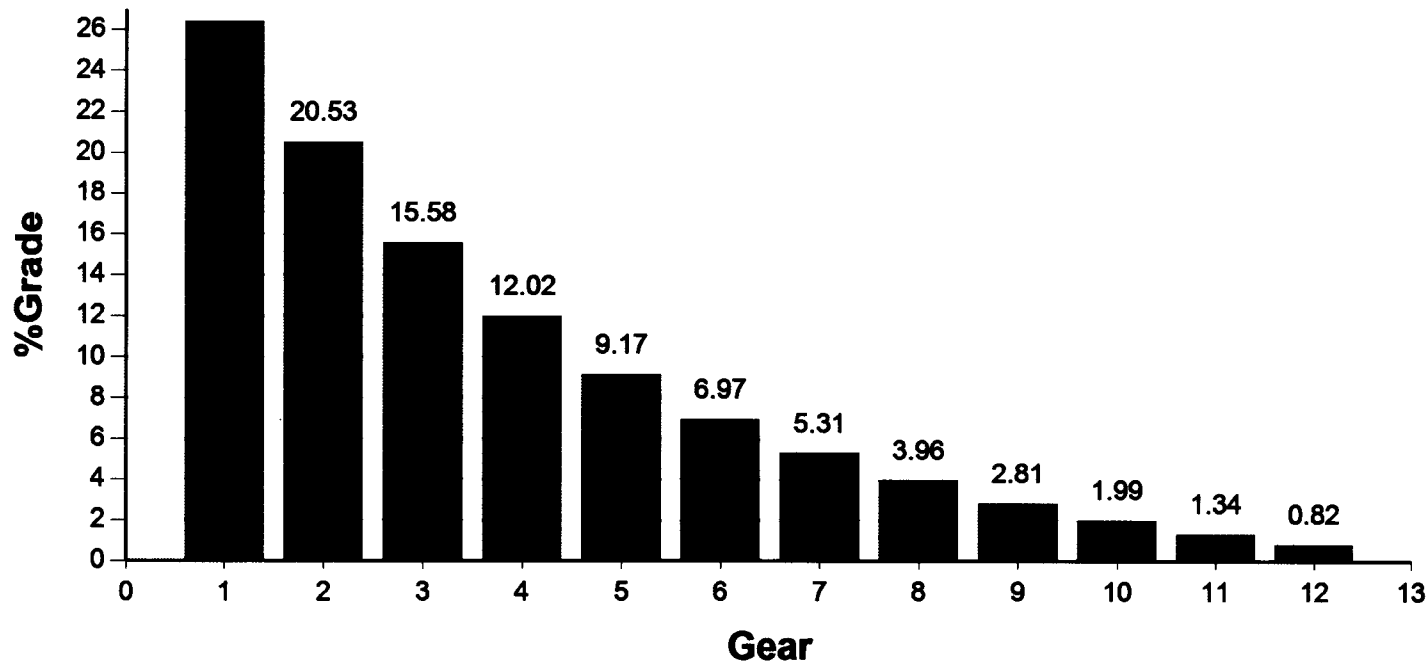
| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
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| VEHICLE SPECIFICATION SUMMARY | | | |
|---|---|---|--|
| Gradeability | | Recommended Min. Gradeability in Top Gear | |
| Maximum in Top Gear (Concrete) | 1.4% | 0.0% | |
| Maximum in Top Gear (Asphalt) | 1.2% | 0.0% | |
| Startability | | Recommended Min. Startability | |
| In Lowest Gear | 26.4% | 16.0% | |
| Loading/Unloading Surface Type | CONCRETE LOADING AND / OR UNLOADING SURFACE | | |
| | | Recommended Speed on 1.5% Grade | |
| Speed on a 1.5% Grade (Concrete) | 60.9 MPH | >67 MPH | |
| | @1550 rpm in 11th gear | PL5 | |
| Suggested Value for Gear Down Vehicle Speed | RSL - 10 | | |
| Driveability Rating | Status | | |
| 100% Max Power available after shift | CAUTION! | | |
| >95% Very Good >90% Acceptable | | | |
| Performance Level | Recommended Speed on 1.5% Grade | Min. Gradeability in Top Gear | |
| PL5 - High Performance | >67 MPH | 1.9% | |
| PL4 - Performance | 61 - 67 MPH | 1.7% | |
| PL3 - Economy | 54 - 60 MPH | 1.5% | |
| PL2 - Fleet / Construction | 47 - 53 MPH | 1.3% | |
| PL1 - Heavy Haul | 40 - 46 MPH | 1.1% | |

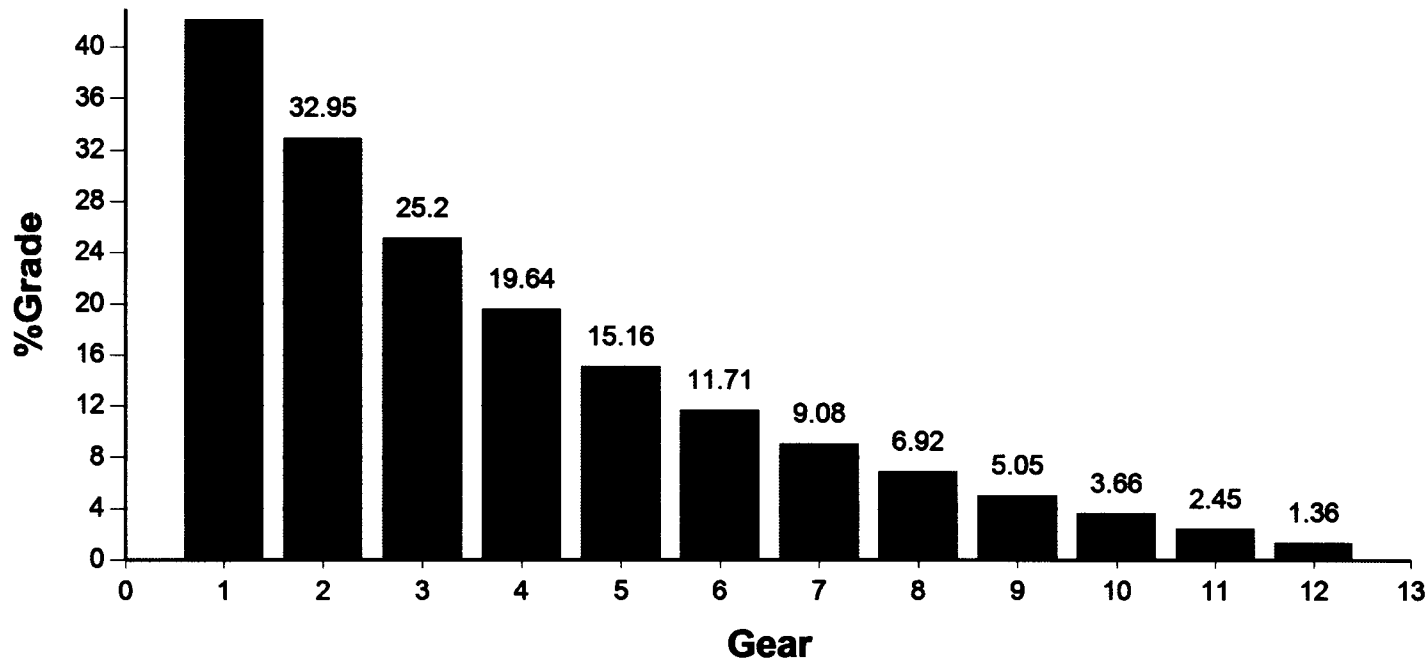
| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
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Startability

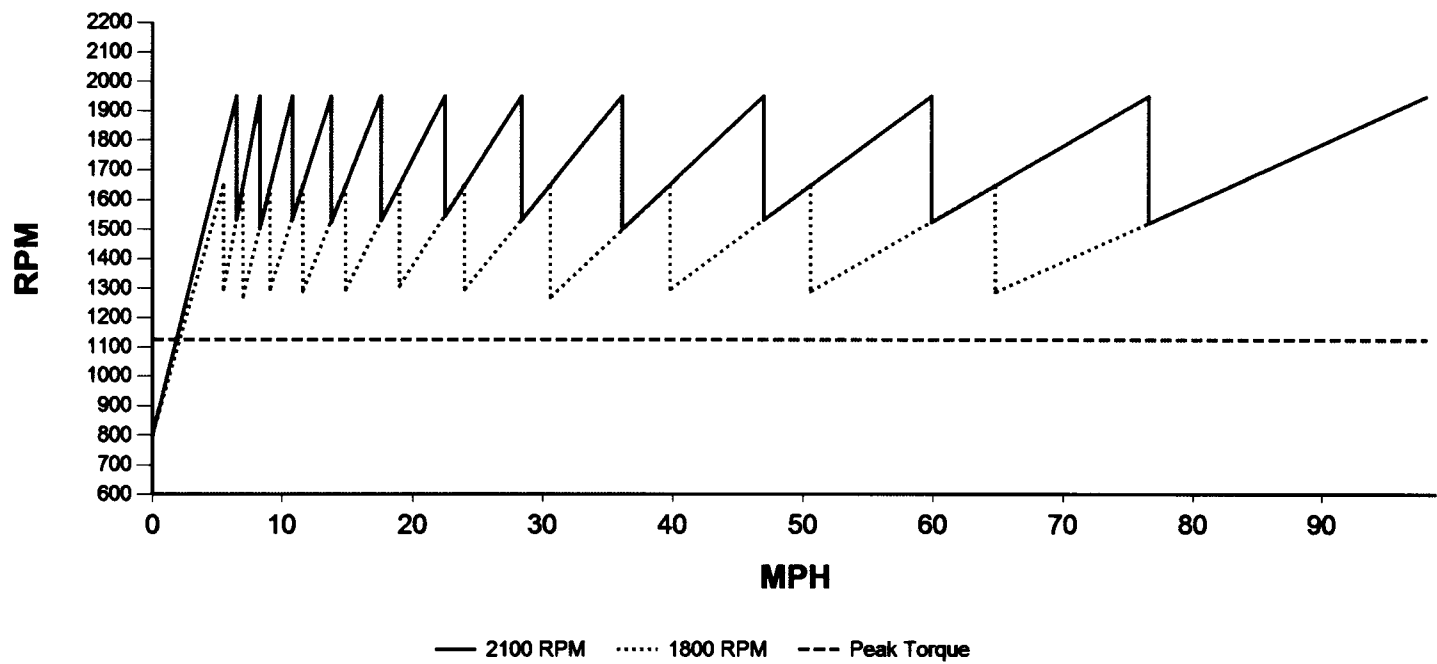


Gradeability at Max Torque

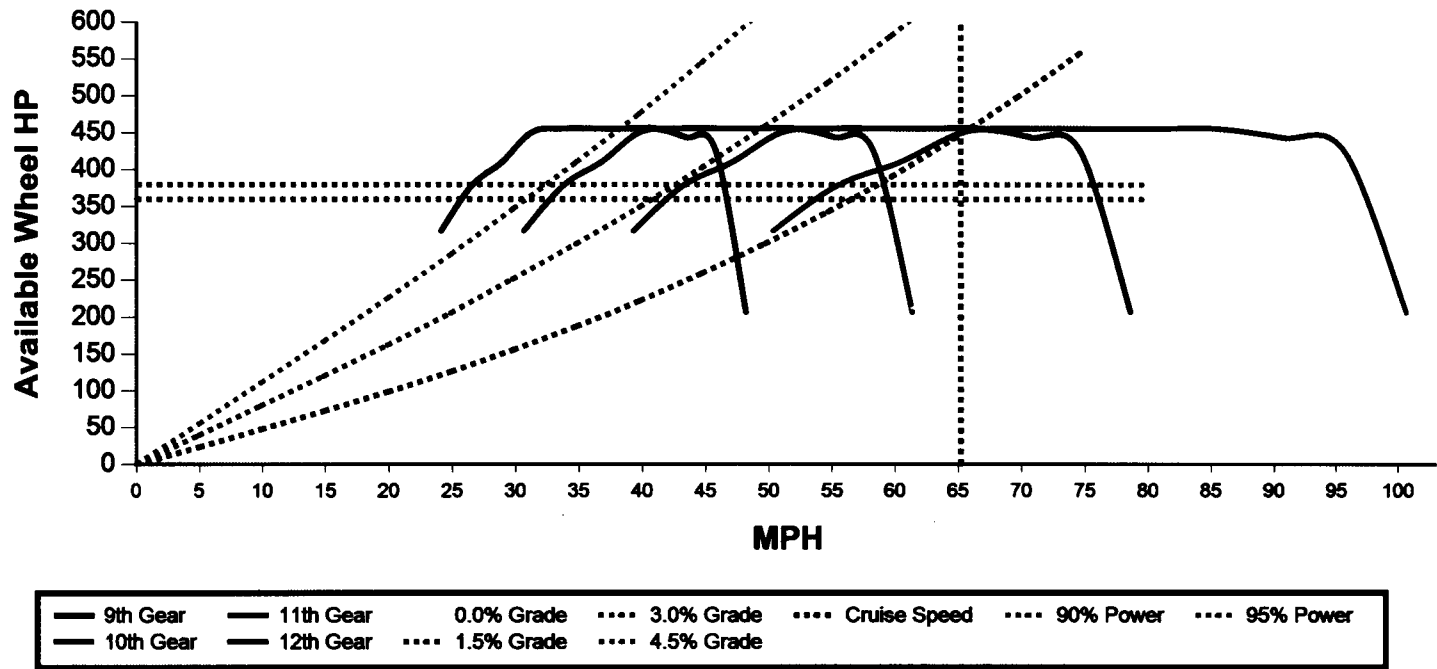


| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
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| 20190812 | BRUC2019000635F239 | 1/24/2020 | 17 of 23 | JACK COUNTY PCT 1 | BRUCKNER TRUCK SALES, INC. |

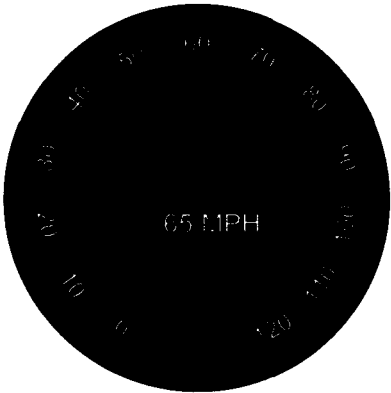
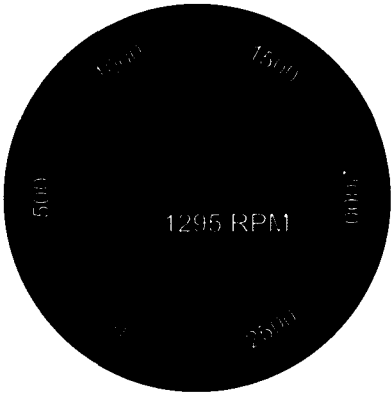
Shift Chart



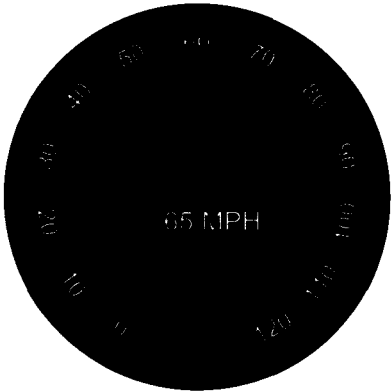
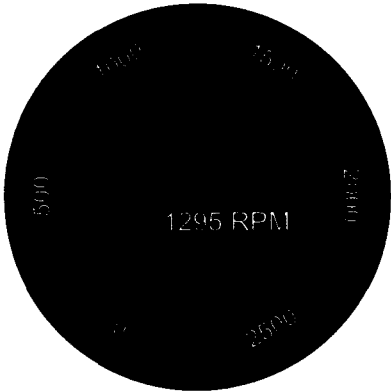
Horsepower VS. Speed



RPM at 65 MPH



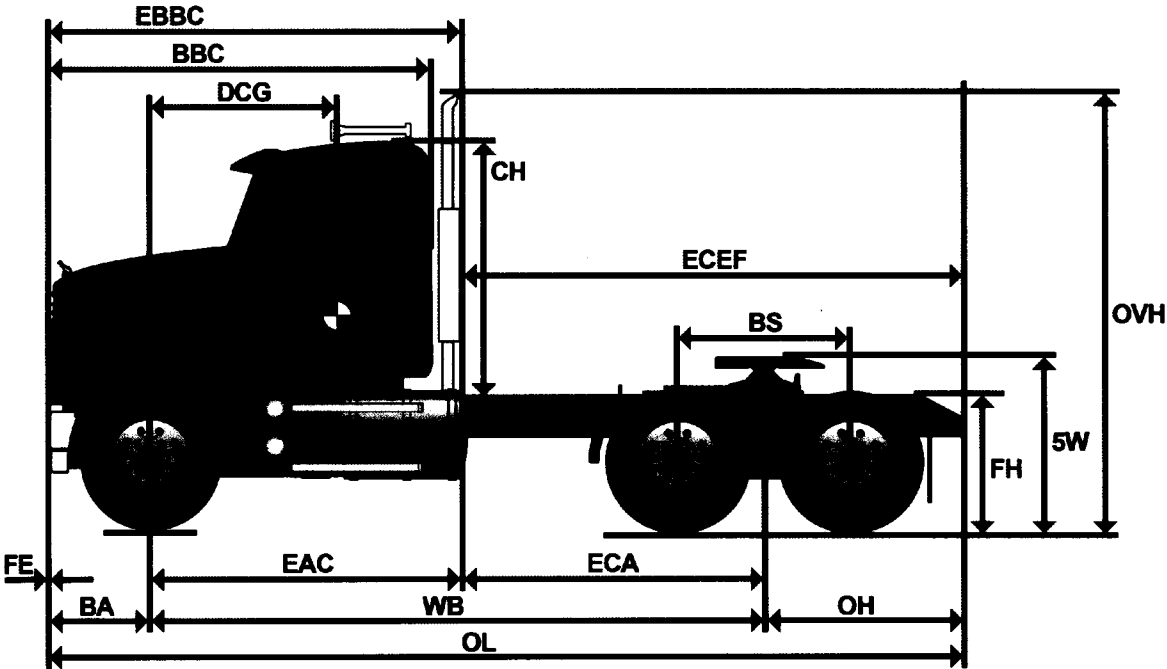
RPM at Cruise Speed



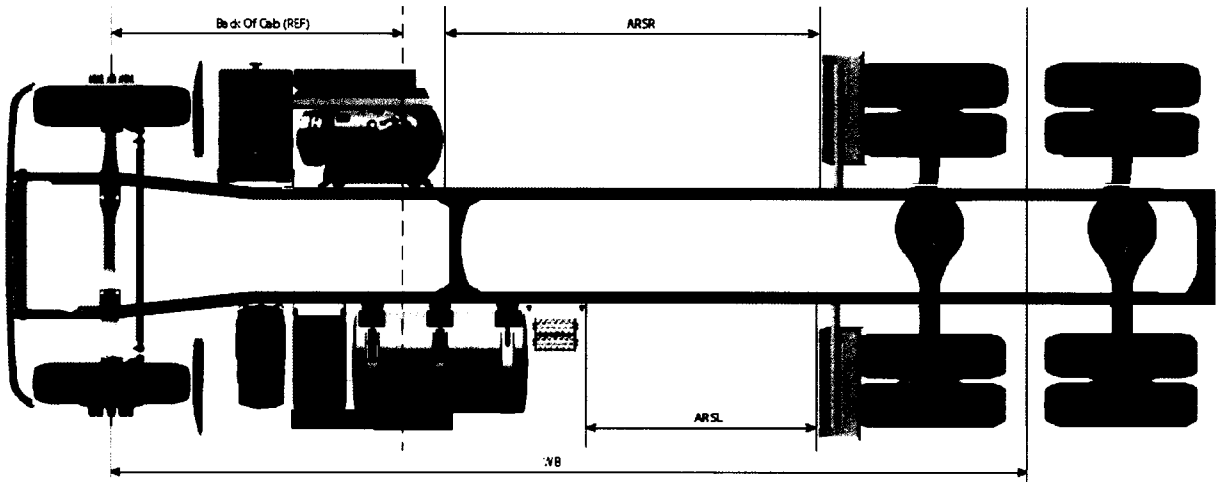
| | MPH | RPM |
|--------------------------|------|---------|
| Minimum of Engine Range | 50.4 | 1000.00 |
| Minimum of Economy Range | 63.0 | 1250.00 |
| Cruise Speed | 65.2 | 1295.38 |
| Maximum of Economy Range | 68.0 | 1350.00 |
| Road Speed Limit | 65.2 | 1295.38 |
| Maximum of Engine Range | 98.2 | 1950.00 |

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

| Description | Sales Code | Dwg Ref | Length | UOM |
|------------------------------------|------------|---------|--------|--------|
| Front Frame Extension | N/A | FE | 0.0 | INCHES |
| Bumper to Front Axle | N/A | BA | 29.8 | INCHES |
| Wheelbase | N/A | WB | 219.3 | INCHES |
| Rear Overhang | N/A | OH | 56.5 | INCHES |
| Overall Length | N/A | OL | 305.6 | INCHES |
| Bumper to Back of Cab | N/A | BBC | 117.3 | INCHES |
| Eff. Bumper to Back of Cab | N/A | EBBC | 128.8 | INCHES |
| Eff. Cab to Rear Axle | N/A | ECA | 120.3 | INCHES |
| Eff. Front Axle to Back of Cab | N/A | EAC | 99.0 | INCHES |
| Eff. Cab to End of Frame | N/A | ECEF | 176.8 | INCHES |
| Unladen 5th Wheel Height | E5BADX | 5W | 48.0 | INCHES |
| Unladen Frame Height | N/A | FH | 41.3 | INCHES |
| Cab Height | N/A | CH | 73.0 | INCHES |
| Overall Height | N/A | OVH | 139.3 | INCHES |
| Driver CG | N/A | DCG | 73.2 | INCHES |
| 52" AXLE SPACING (BOGIE WHEELBASE) | GWXBYX | BS | 52.0 | INCHES |
| Second Front Axle Spacing | RHXZ1X | SFAS | 0.0 | INCHES |



| VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY | | | | |
|---|-----------------|---------|----------------|-----------------|
| Description | Sales Code | Dwg Ref | Left Value(in) | Right Value(in) |
| Wheelbase | N/A | WB | 219.3 | 219.3 |
| Available Rail Space Right | N/A | ARSR | N/A | 72.7 |
| Available Rail Space Left | N/A | ARSL | 61.8 | N/A |
| Eff. Front Axle to Back of Cab | N/A | REF | 99.0 | 99.0 |
| Front Axle To Fender | CDX30X | N/A | 35.4 | 35.4 |
| Cleartech One Unit | DPF04F | N/A | 0.0 | 48.0 |
| Battery Box | 393AA9 | N/A | 0.0 | 15.0 |
| 93 GALLON (350 L) 26" ALUMINUM ROUND / W/O RH FUEL TANK | 288AB7 / 290AA1 | N/A | 46.0 | 0.0 |
| Ad-Blue Tank | DF10N1 | N/A | 16.0 | 0.0 |
| Rear Deck Access | MZ7027 | N/A | 12.0 | 0.0 |
| Drive Tire Radius | 901091 | N/A | 22.1 | 22.1 |

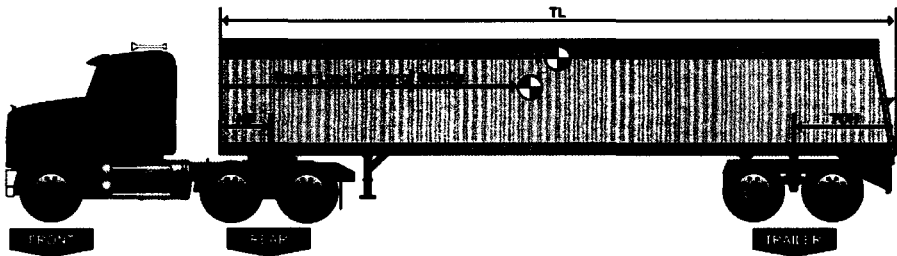


Top View image is intended for illustration purposes only and is not presented to scale. Wheelbase, Axle Spacing and After frame are not shown as specified, but are a representation. Customer Adaptation (CA) options and relocated components are not represented in these images. Most CA options impact the variation of the image, thus an image may not populate. Calculations are approximate to a tolerance of ± 4 inches due to component mounting variation. Certain chassis component options are NOT represented in the Top View image, such as, but not exclusive to, Front Frame Extensions, Fuel Water Separators, Air Dryers, PTOs, Fifth Wheels, Chassis Fairings, Toolboxes, Trailer Connections. For further information on these items and their respective locations on your specification, please refer to the data sheets associated with those items in the configurator.

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| Inputs Required | Inputs | UOM |
|--|--------|--------|
| Driver Weight | 201 | LB |
| Total Trailer Length | 49.2 | FEET |
| Trailer Tare Weight | 13502 | LB |
| Trailer CG from Front of Trailer | 336.0 | INCHES |
| Fifth Wheel Setting | 0.0 | INCHES |
| Kingpin Location from front of Trailer | 36.0 | INCHES |
| Trailer Rear Overhang | 86.0 | INCHES |
| Trailer Axle(s) GAWR | 34000 | LB |

| VEHICLE SPECIFICATION SUMMARY | | | | |
|-------------------------------|-------------|---------|--------|--------|
| Description | Description | Dwg Ref | Length | UOM |
| Bumper to Front Axle | N/A | BA | 29.8 | INCHES |
| Wheelbase | N/A | WB | 219.3 | INCHES |
| Rear Overhang | N/A | OH | 56.5 | INCHES |
| Bumper to Back of Cab | N/A | BBC | 117.3 | INCHES |
| BOC Exhaust Space | 130AB6 | N/A | 11.5 | INCHES |
| Driver CG from Front Axle | N/A | DCG | 73.2 | INCHES |
| First Pusher Axle Spacing | | | 0.0 | INCHES |



| CALCULATED PERFORMANCE SUMMARY | | | | | |
|--------------------------------|------------|---------------|-----------------|-------|-----|
| Tare Weights | Front Axle | Rear Axle (s) | Trailer Axle(s) | Total | UOM |
| Chassis | 8863 | 8116 | 0 | 16978 | LB |
| Driver | 134 | 67 | 0 | 201 | LB |
| Fuel | 378 | 260 | 0 | 638 | LB |
| Body/Trailer | 0 | 4858 | 8645 | 13502 | LB |
| Total Tare | 9374 | 13299 | 8645 | 31317 | LB |
| Payloads | | | | | |
| First Body Payload | 0 | 52396 | -3712 | 48683 | LB |
| Total - Lift Axles Down | 9374 | 65694 | 4932 | 80000 | LB |
| GAWR | 12000 | 40000 | 34000 | 80000 | LB |

| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
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| VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY | | | | |
|--|------------|--|-------|-----|
| Sub-Category | Sales Code | Sales Code Description | Value | UOM |
| Front Axle | 240AA6 | 12000# (5400 KG) MACK FXL12 STRAIGHT SPINDLE/UNITIZED BEARINGS | 12000 | LB |
| Front Suspension | 244AB2 | MACK TAPERLEAF HD 12000# (5400 KG) GROUND LOAD RATING, NO BIAS | 12001 | LB |
| Front Tires | 900AU0 | 11R24.5 G BRIDGESTONE R268 ECOPIA (13220 lbs) | 13228 | LB |
| Front Wheels | 5310M1 | 24.5x8.25 ALCOA ULTRA ONE ALUM DISC 10-HP; 11.25" BC, 5.73"INSET | 14794 | LB |
| | | Front GAWR | 12000 | LB |
| Rear Axle | 268AD0 | 40000# (18100kg) MERITOR MT40-14X4D HYPOID (LOW ENTRY) | 40000 | LB |
| Rear Suspension | 186AC0 | MAXLITE 40 EZ (GEN 2) 40000# | 40000 | LB |
| Rear Tires | 901091 | 11R24.5 G BRIDGESTONE M760 ECOPIA (24020 lbs) (DRIVE ONLY) | 48061 | LB |
| Rear Wheels | 3460P6 | 24.5x8.25 ALCOA ULTRA ONE ALUM DISC 10-HP, 11.25" BC, 6.60" OFFSET | 59199 | LB |
| | | Rear GAWR | 40000 | LB |
| | | Tractor GVWR | 52000 | LB |
| | | Gross Combination Weight Rating | 80000 | LB |

| PRICELIST DATE | QUOTATION | DATE | PAGE | CUSTOMER NAME | DEALER NAME |
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| 20190812 | BRUC2019000635F239 | 1/24/2020 | 23 of 23 | JACK COUNTY PCT 1 | BRUCKNER TRUCK SALES, INC. |



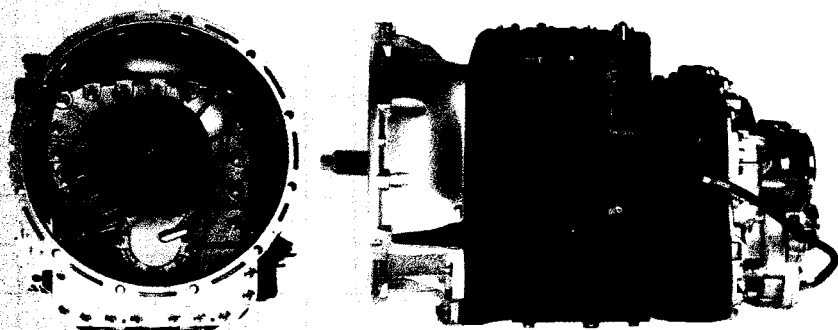
mDRIVE 12 Speed TMD12AFO

Overdrive

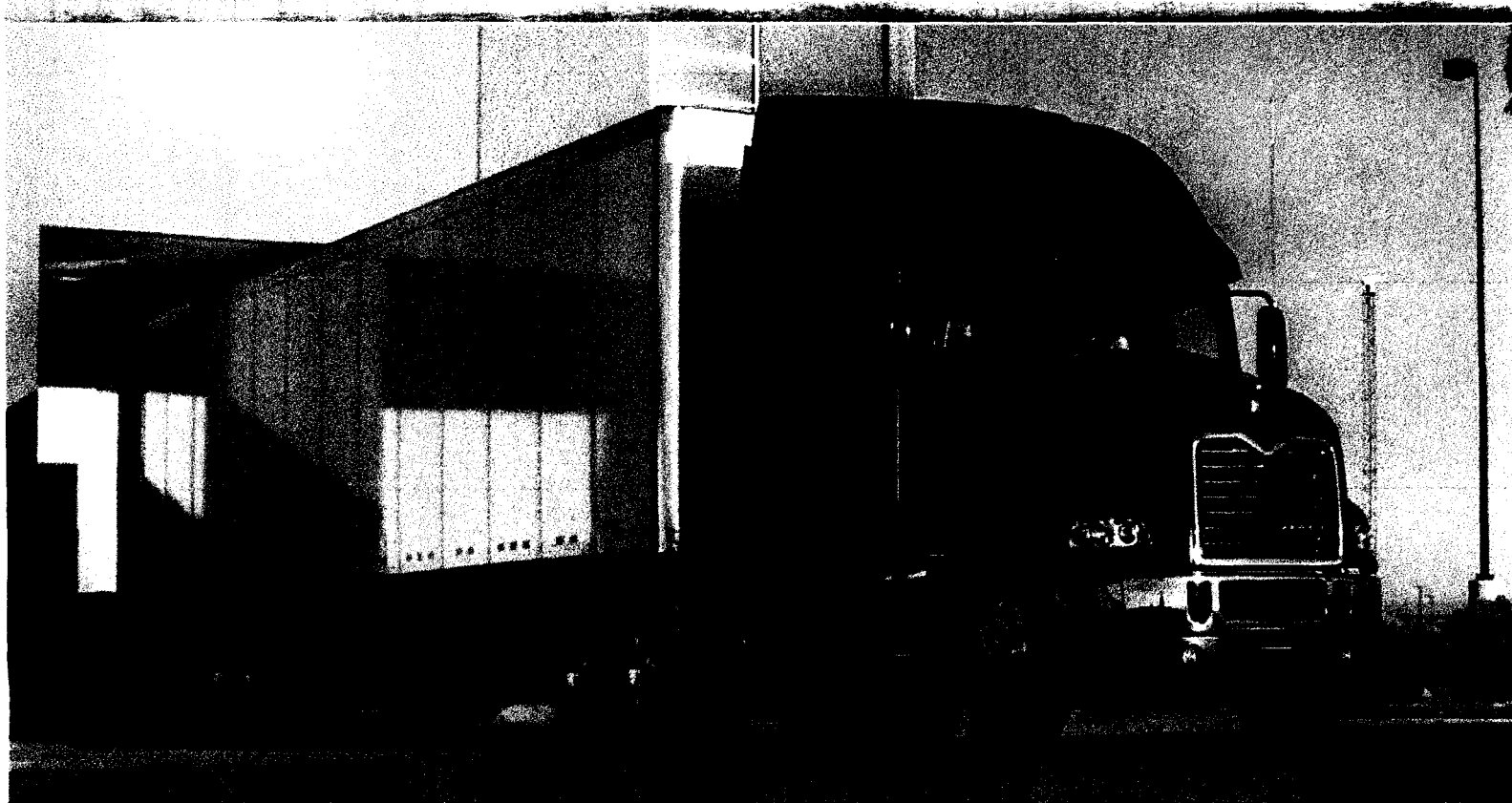
2 Reverse Gears



mDRIVE



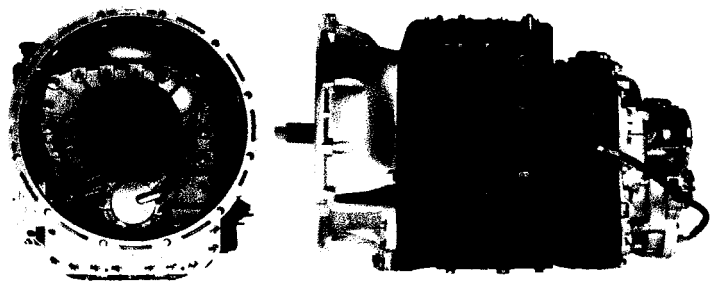
**Weights less.
Carries more.**



Mack® mDRIVE™ F Series Transmission

The mDRIVE automated manual transmission comes standard on Mack® Pinnacle® models to help tackle whatever challenges you face on the job. This 12-speed, two-pedal transmission offers up to 1,920 lb.-ft. of torque, horsepower ratings from 325 to 505 HP and is designed to integrate seamlessly with Mack MP7® and MP8® engines.

Because mDRIVE is in constant communication with your engine, it's continuously monitoring changes in grades, vehicle speed, acceleration, torque demand, weight and other factors, so there's no compromising on performance.



mDRIVE F Series offers the following features:

Grade Gripper

There's no awkward and dangerous roll-back when stopping on a grade. Grade Gripper keeps your position for up to three seconds after the brake pedal is released.

PowerLeash™ Engine Brake

Get maximum performance from your engine brake. By setting your downhill speed, the engine, engine brake and transmission work together to allow a faster controlled descent speed in a higher gear without overspeeding the engine.

PTO Options

The mDRIVE is available with up to six different combinations of rear transmission-mounted PTO options and a selection of factory-installed piston and gear-driven hydraulic pump options.

Heavy Haul Shift

Meet Mack's most assertive shift strategy yet. Designed for the trucks that shoulder your largest loads, Heavy Haul Shift offers even more performance-oriented shift points and less skip shifting. Recommended for loads over 160,000 GCW. *(Requires Mack Premium shifter package)*

COMPLETE INTEGRATION

As part of Mack's legendary integrated powertrain, mDRIVE works seamlessly with Mack engines and axles for improved efficiency, increased uptime and lower cost. Because when all the pieces perform together, everything else falls into place.

INCREASED PRODUCTIVITY

The mDRIVE is automated, so it's easier to work than traditional manual transmissions. Because drivers don't have to worry about shifting gears, they're more rested and ready to finish the job with increased focus and productivity.

LIGHTER THAN THE COMPETITION

Even though mDRIVE is built strong, it won't weigh you down. It's hundreds of pounds less than competitors, so you can ditch the dead weight and increase your payload.

ONE-STOP SERVICE

Because mDRIVE is a Mack transmission, it's serviced in Mack's industry-leading, coast-to-coast dealer network and supported by our comprehensive Uptime Services. Forget the additional time or hassle spent dealing with third-party repairs.

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MACK *m*DRIVE F Series TRANSMISSION

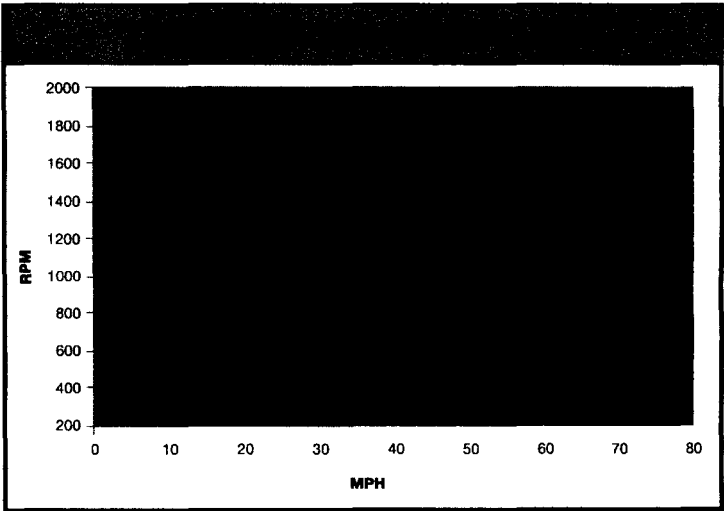
| FEATURES | FLEET | PREMIUM |
|--------------------------------|----------|----------|
| AUTO NEUTRAL | STANDARD | STANDARD |
| GEAR SELECTION ADJUSTMENT | OPTIONAL | STANDARD |
| ENHANCED CONSTRUCTION SHIFT ** | OPTIONAL | STANDARD |
| HEAVY HAUL SHIFT ** | OPTIONAL | STANDARD |
| LOW SPEED MODULATION CONTROL | STANDARD | STANDARD |
| ROCK FREE | OPTIONAL | STANDARD |

** These options are selectable under the M05- PID condition.

| TYPE | 12 SPEED AUTOMATIC MANUAL TRANSMISSION |
|-----------------------------|--|
| LENGTH | 35.1" [891 MM] |
| OIL CAPACITY | 16.9 QUARTS [16 L] |
| NUMBER OF SPEEDS - FORWARD | 12 |
| CASE, BELL HOUSING MATERIAL | ONE PIECE HEAT TREATED ALUMINUM |
| TYPE OF GEARS | HELICAL |
| SHIFTER INDICATORS | R-REVERSE / N-NEUTRAL / D-DRIVE / M-MANUAL |

For Information Concerning Power Take-Offs Consult Power Take-Off Sheets

| FORWARD GEAR | RATIO | % STEP |
|--------------|-------|--------|
| 1st | 11.73 | |
| 3rd | 7.09 | 30 |
| 5th | 4.35 | 28 |
| 7th | 2.70 | 26 |
| 9th | 1.63 | 30 |
| 11th | 1.00 | 28 |
| REVERSE GEAR | RATIO | % STEP |
| 1st | 13.73 | |



Feature Description

No change from current options

Gear Selection Adjustment

The driver can manually select gears using the up / down buttons located on the Premium shifter. The Driver Display will indicate how many up / down gears are available by the means of up / down arrows.

Idle Governor Driving Mode

This feature is included in every software feature package and is useful in the lower gear range (1-6), for example when driving slowly in congested areas. The Idle Driving mode is engaged by the driver removing their foot from the accelerator and allowing the vehicle to idle along. The transmission automatically selects the gear which best suits the speed. When the Basic shifter is utilized, slightly pressing the accelerator or brake pedal will change engine speed to facilitate an upshift or downshift. Although the engine load may vary, the Idle Governor will adjust the torque to maintain idle speed and therefore achieve constant vehicle speed. The feature also works in Reverse and is quite helpful when backing up a trailer.

Gear Selection of Start Gear

The driver can in the "Manual mode" select start gear in the range from 1-3.

For Tractor models, in the "Drive mode" the transmission will select the start gear based on the load, the grade and engine size. Typically the start gear is 1 or 2 with a trailer connected and 4 when bob-tailing. However, the driver can adjust the selected gear by up to two gears above the calculated as long as it does not exceed "Highest available start gear". The highest available start gear is a customer programmable parameter in the range from 1-6 with a default value of 6. For Truck configurations the starting gear will be 1.

Performance Mode

A button on the Premium gear lever lets the driver select Performance operating mode.

- Economy, the transmission will select shift points and command engine parameters maximizing fuel economy.
- Performance mode selects shift points and engine parameters maximizing to be driven in high grades and other rough conditions. Improved ability to rock free.

MACK

There are three customer programmable settings for the Performance mode:

1. Performance mode available. When you press the button, the transmission goes to PERF mode, and stays there until you turn-off the truck, or press the button again. Recommended setting for off-road vehicles.
2. Performance mode available. Once enabled the mDrive monitors the engine utilization and automatically returns to Economy if the power demand for a specified time window drops to a level that can be handled by the Economy mode. In other words it minimizes the time in Performance mode, which improves Fuel Economy.
3. Performance mode disabled. Best for fuel economy.

Auto Neutral when Parking Brake applied

In situations where the mDrive is still in gear after the parking brake has been applied, the mDrive will go into Neutral after four minutes in order to protect the release bearing from excessive temperature and wear. If the driver presses the accelerator pedal, the transmission engages the gear was selected before.

Auto Neutral at Key-off if Gear engaged

In order avoid "torque lock-up" of the driveline when shutting off the engine with a gear engaged; mDrive will automatically go into Neutral during key-off.

Basic PTO functions

Possibility to engage PTO in vehicle speeds up to 6Mph (speed limit depends on the rear axle ratio)

Pre-defined splitter positions: SW parameter defines splitter to engage when use of transmission PTO.

Low Speed Modulation Control

Provides smooth low speed control without the need to continually brake and accelerate.

MAEK

Grade Gripper is a safe, convenient way to hold a vehicle on-grade (road inclines and declines) without risk of roll-back or clutch burn-out.

Grade Gripper 'grips' both the tractor and the trailer brakes.

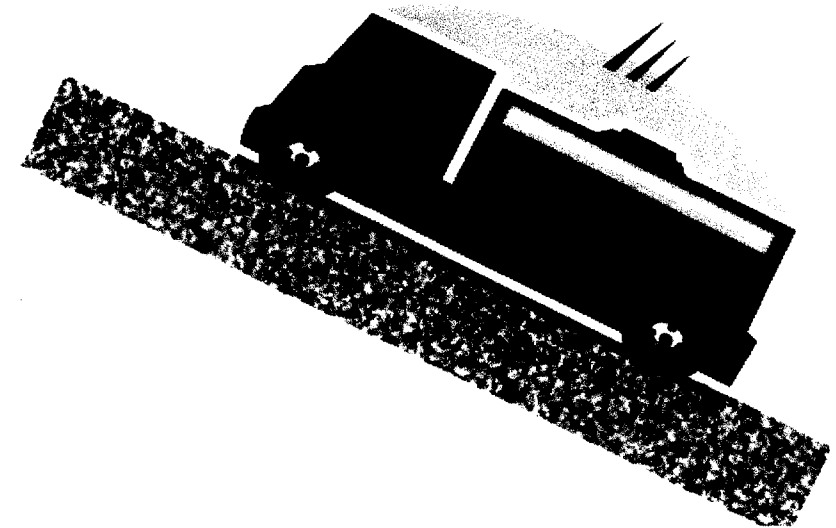
When the brake pedal is released, Grade Gripper maintains braking until the throttle pedal is applied, or until a 3 second timer expires.

Grade Gripper only applies on grades at 0 mph, with the service brakes applied.

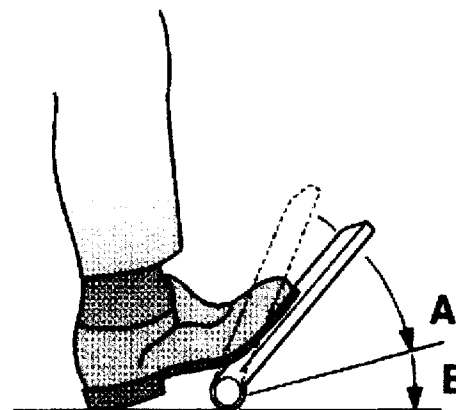
A dash switch can be used to disable Grade Gripper, whenever needed. If disabled, the switch lamp flashes and a Co-Pilot message informs the driver.



Grade Gripper Disabled



The **MackCellerator** is a 2-position throttle pedal. The first position (A) provides 100% throttle. If the driver presses further, the pedal passes a detent to full travel (B). The mDRIVE will then automatically downshift (assuming there is sufficient engine RPM range).



A = 100% throttle

B = Downshift

Think of MackCellerator as an easy way to engage passing gear (down-shift), without the driver needing to take his/her eyes off the road.

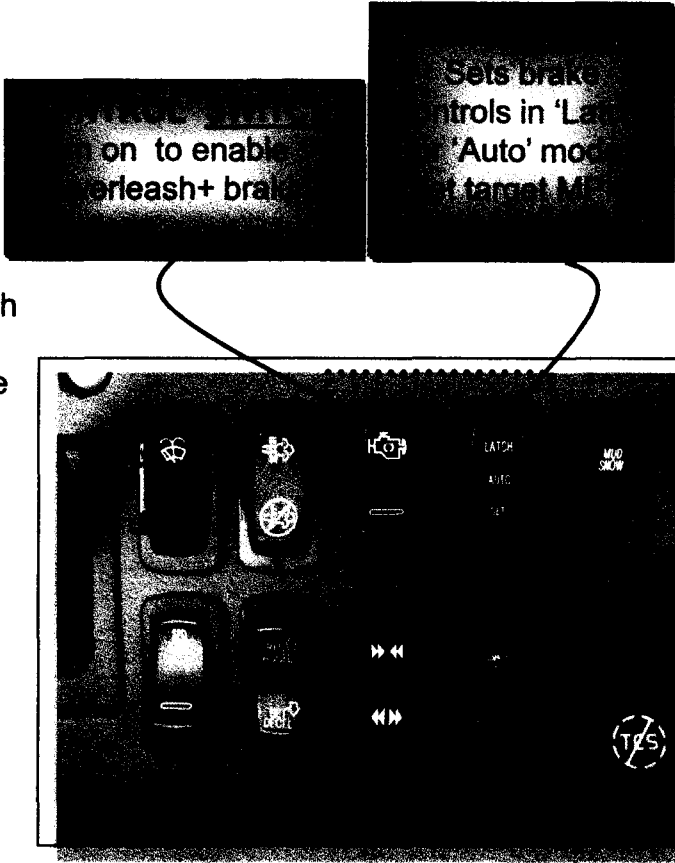
MACK

PowerLeash+ engine brake controls include the following features:

‘Cruise’n Brake’ automatically engages PowerLeash+ at 3 mph above the cruise control target set speed, then auto disengages it prior to resuming cruise (0.5 mph above). Note: ‘Cruise’n Brake’ only functions in Auto mode.

‘Latch’ mode automatically engages the engine brake whenever the throttle pedal is released and the PowerLeash+ control switch is in the ‘ON’ position.

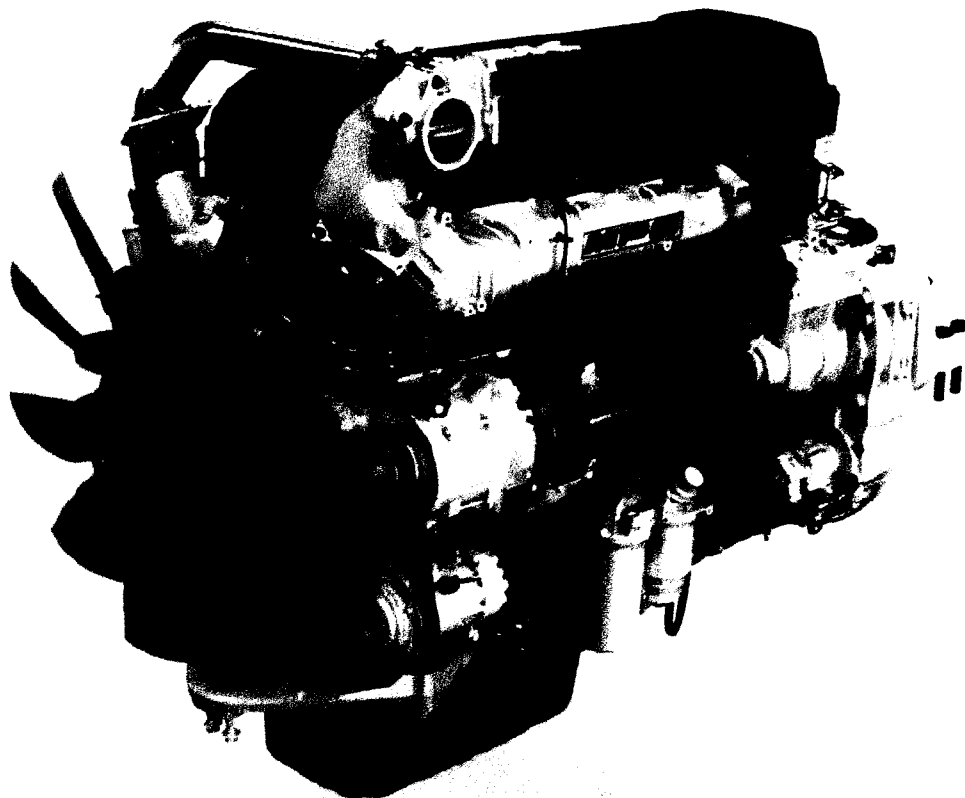
‘Auto’ mode keeps the engine brake off unless a target downhill braking set speed is specified, using the ‘SET-’ button. PowerLeash+ will automatically and progressively (0-100%) attempt to maintain the set speed. The control switch must be in the ON position. Applying the service brakes will not automatically activate PowerLeash+.





PRODUCT INFORMATION

PID Code/Condition: 100-1766
Description: Mack MP8-445C US17
Date: March 1, 2017



Sales Engineering

Mack Trucks, Inc.
Allentown, PA 18103
United States

Phone: 800 868 6225
Fax: 610 351 8791

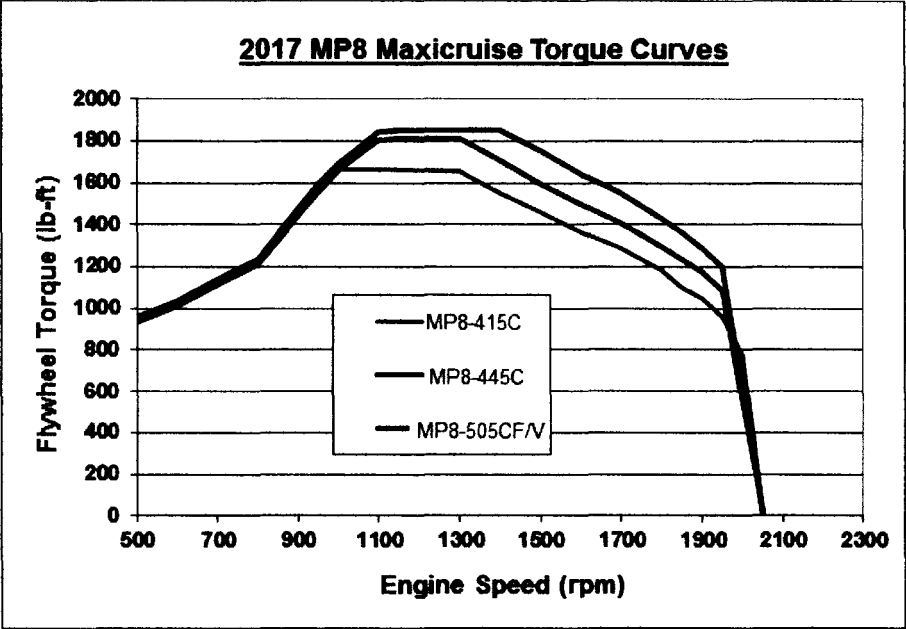
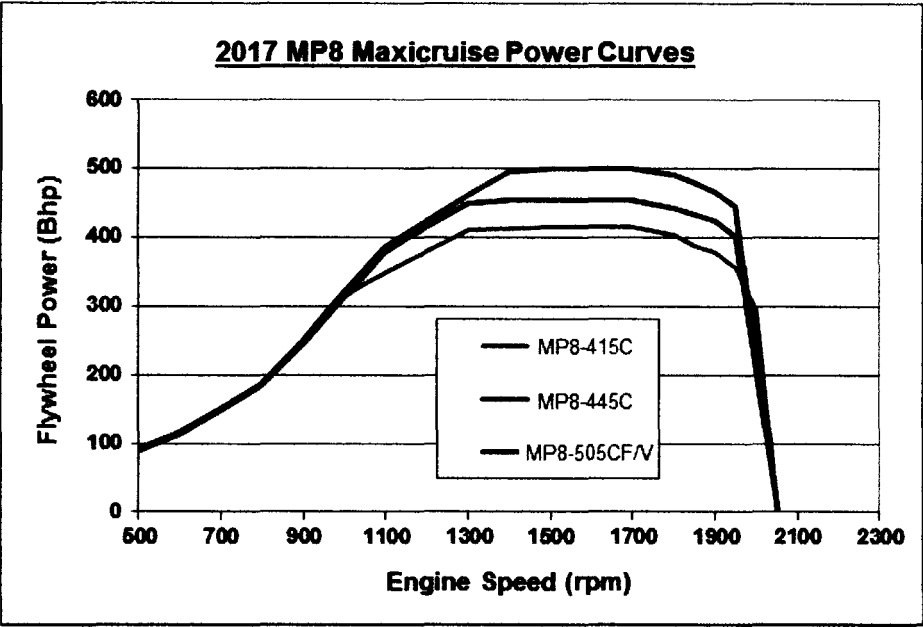
MackTrucks.com

FEATURES:

- High Torque MAXICRUISE Diesel Engine
- Maximum Horsepower 445 BHP [332 kW]
- Electronic Common Rail Fuel Injection
- V-MAC IV Total Vehicle Electronics System
- Wide Operating Range 600 – 2000 RPM
- Variable Geometry Turbocharger
- Extended Service Intervals
- MACK PowerLeash Engine Brake

The information in this document was accurate as of the date of release and pertains to the current version of Mack's Sales Tool. Mack Trucks, Inc. reserves the right to make changes in specifications, equipment or design, or to discontinue models or options without notice.

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PRODUCT INFORMATION

SPECIFICATIONS:

| | |
|--|--|
| Peak HP [kW] @ RPM | 445 [332] @ 1300 – 1800 |
| HP [kW] @ Governed RPM | 207 [154] @ 2000 |
| Max. Torque lb. ft. [Nm] @ RPM | 1860 [2522] @ 1150 - 1300 |
| Type | Direct Injection Diesel |
| Number of Cylinders | 6, In-Line |
| Bore & Stroke, inches [mm] | 5.16 X 6.22 [131 X 158] |
| Displacement, cubic inches [L] | 780 [13] |
| Compression Ratio | 16:1 |
| Firing Order | 1 - 5 - 3 - 6 - 2 - 4 |
| Torque Rise | 67% |
| Clutch Engagement . lb. ft. [Nm] @ RPM | 1215 [1647] @ 800 |
| Idle Speeds: | |
| Low | Adjustable, 600 RPM |
| High | 2000 RPM |
| Engine Brake Retarding Power [If Applicable] | 500 HP [372 kW] @ 2000 RPM |
| Weight, Dry [Approximate] lbs. [kg] | 2597 [1177] |
| Flywheel Housing | Die Cast Aluminum |
| Cylinder Block | Alloyed Grey Cast Iron with Ladder Frame Reinforcement |
| Cylinder Liners | Full Wet Design, Plateau Honed |
| Cylinder Head Assembly: | |
| Type | Grey Cast Iron Slab Head with Intermediate Deck |
| Configuration | Single Overhead Cam, 4 valves per Cylinder |
| Valve Type | Poppet |
| Valve Insert Material | Super Alloy [Serviceable] |
| Piston and Rings: | |
| Piston Type - Monotherm Single Piece Steel with Closed Cooling Gallery | |
| Pin Diameter, inches [mm] | 2.125 [55] |
| Rings | 2 Compression, 1 Oil Control |
| Crankshaft: | |
| Material | Forged, Carbon Steel |
| Heat Treatment | Induction Hardened Journals/Fillet |
| Main Bearing Diameter inches [mm] | 4.5 [114] |
| Charge Air Cooling | Chassis Mounted, Air – To – Air |
| Fuel System | High Pressure F2 Common Rail |
| Fuel Supply Pump | ZF Meritor |
| Fuel Filter | Spin On, Disposable |

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S A L E S • E N G I N E E R I N G • D E P A R T M E N T



PRODUCT INFORMATION

| | |
|---|--|
| Lubrication System: | |
| Type | Full Pressure, Wet Sump |
| Oil Filters | 2 Spin On Full Flow Disposable, Single Bypass Disposable |
| Oil Cooler | Stainless Steel Plate |
| Total Oil Capacity | 33 Quarts, Includes Filters |
| Drain Plug | Magnetic |
| Cooling System: | |
| Capacity Quarts [L] | 17 [16] |
| Thermostats | 180 Degrees F, 82 Degrees C |
| Hose Material | Mack Brand EPDM |
| Air Compressor: | |
| Type | Meritor/WABCO |
| Standard Capacity: | |
| GU7, & GU8 | 18.7 cfm [8.9L/s] |
| MRU, LR | 37.4 cfm [17.8L/s] |
| Turbocharger Holset, Sliding Nozzle Ring variable Geometry with Water Cooled Actuator and Bearings, and Electronic Controls | |
| Accessory Belt | Poly – V with Automatic Tensioners |
| EGR System: | |
| Single EGR Valve Assembly | Modulated Cast Stainless Steel |
| EGR Cooler | Stainless Steel Tube and Insert Gas to Coolant |

OIL/FILTER SERVICE INTERVALS:

Refer to the latest version of the Mack Maintenance and Lubrication Manual

OPTIONAL EQUIPMENT:

- High Capacity Air Compressor
- 120 Volt and 240 Volt Engine Block Heater
- Oil Pan Heater
- Oil Change System
- High Capacity Alternator
- Heavy Duty Air Cleaner [Model Specific]

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MACK

PRODUCT INFORMATION

V-MAC IV FUNCTIONS:

4TH Generation Vehicle Management And Control System

V-MAC IV PRODUCTIVITY FEATURES:

- PTO [4] and Electronic Hand Throttle Control
- Engine "Smart fan Control"
- "Smart Idle" Speed Regulator
- GuardDog Routine Maintenance Monitoring

V-MAC IV DRIVER CONVENIENCE FEATURES:

- Full Featured Cruise Control
- Cruise and Brake Engine Brake Control
- Programmable Engine Governor
- Idle Cooldown
- Daytime Running Light [DRL] Override

V-MAC IV FUEL ECONOMY FEATURES:

- Vehicle Speed Limiting
- Engine "Sweet Spot Indicator"
- Fuel Economy Incentive Program
- Idle Shutdown

V-MAC IV RELIABILITY FEATURES:

- Engine Protection
- Starter Protection
- Differential Lock Auto Control

V-MAC IV SAFETY AND SECURITY FEATURES:

- Tamper Resistant Speed Sensor
- Theft Deterrence
- 5th Wheel Slide Unlock Vehicle Speed Limiting
- Air Suspension Deflated Vehicle Speed Limiting

V-MAC IV SERVICEABILITY FEATURES:

- SAE J1587 AND J1939 Diagnostic Port
- Electronic Fault Logging with Fault Reporter
- VCADS PC Based Service Software
- OBD II Style Diagnostic Connector
- DataMax Comprehensive On-Board Data Logger

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S A L E S • E N G I N E E R I N G • D E P A R T M E N T



PRODUCT INFORMATION

GEARING RECOMMENDATIONS:

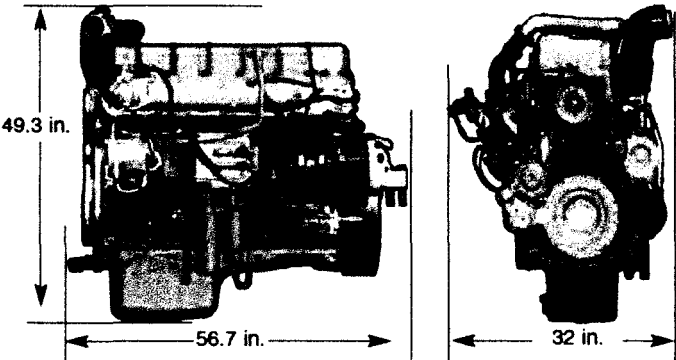
Proper Gearing is necessary to achieve optimum vehicle performance and fuel economy. Vehicle specifications, including engine, transmission, axle ratio, and tire selection should generally be selected to meet the following criteria:

| | | |
|--------------|---------------------------------------|-----------|
| Startability | Highway Applications | ≥ 10% |
| | On-Off Highway Applications | ≥ 16% |
| Gradeability | ⊗ Cruise Max. MPH | ≥ 0.5% |
| | ⊗ Peak Torque, Top Gear | ≥ 1.5% |
| Cruise RPM | | 1250-1350 |

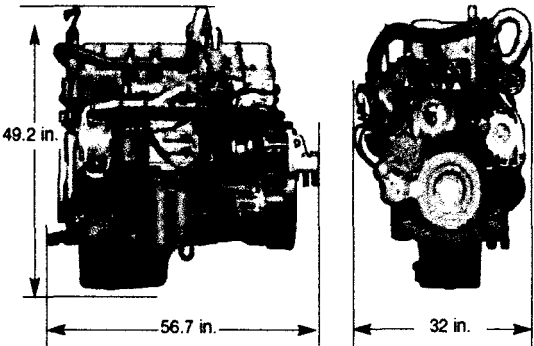
Refer to your current sales tool to obtain startability, gradeability and cruise RPM results for each unique vehicle specification. Special service applications, road surfaces, high Gross Combination Weights or other factors may require different gearing considerations.

DIMENSIONS:

Conventional Chassis



Low Cab Forward Chassis



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1200 NE Loop 820 / P.O. Box 162208 / Ft. Worth, Texas 76161 / Ph. 817-626-2823 / FAX 817-624-1295

OPTIONS:

Optional Manual Transmissions

Eaton/Fuller FRO-18210C 10 Speed (12.94/0.74)

Or

Eaton/Fuller RTLO-16918A 13 Speed (12.31/0.73)

No additional charge.

NOTE: If we change to a manual transmission the shifter, clutch and driveline will change as well. But no additional charges.

Optional Purchased Coverages

Mack Engine Plan 2 – 5 years or 250,000 miles \$2,659.00

Mack Engine Towing – 5 years or 250,000 miles \$1,040.00

Mack Exhaust After-Treatment System – 5 years or 250,000 miles \$ 932.00

Mack Chassis Plan 2 – 5 years or 300,000 miles \$4,875.00

Mack Chassis Towing – 5 years or 300,000 miles \$1,175.00

Meritor Rear Axle – 5 years \$ 800.00

Or you can choose the Mack rear axles for \$1,000 more and it comes with a 5 year or 500,000 mile warranty at no additional charge

The Mack mDrive automated transmission comes with a 5 year or 750,000 mile warranty at no additional charge.

If you choose the Eaton/Fuller manual transmission the cost to upgrade to 5 year coverage is \$1,500.00

NOTE: Warranty certificates enclosed

STANDARD TRUCK WARRANTY CERTIFICATE



Mack Trucks warrants certain individual components of the new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods as specified, provided all Mack Trucks' maintenance and inspection requirements are followed. See your local authorized Mack dealer for recommended maintenance and inspection procedures. All warranty periods are calculated from date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations, and exclusions as noted.

**LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE REVERSE SIDE OF THIS CERTIFICATE.
THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.**

This warranty applies to **Model Year 2020 trucks**, manufactured by Mack Trucks, operated in the United States and Canada **with EPA 17 engines**. Specific coverage is based on the application and weight class as described in the following chart:

| | Standard NORMAL DUTY Line / Long Haul, Short Haul, or Pickup & Delivery | Standard HEAVY DUTY Heavy Line Haul, Construction, Refuse, Fire or Rescue Service | Standard SEVERE DUTY Heavy Construction, Heavy Refuse, Off-Road, Heavy Haul, Mining, Logging, or Oil Field |
|--|--|---|---|
| Typical Vocations | | | |
| Weight Class Qualifications | Vehicle must have GVWR ≤ 63,000 lbs. (≤ 28 metric tons) or GCWR ≤ 110,000 lbs. (≤ 50 mt.) | Vehicle must have GVWR ≤ 80,000 lbs. (≤ 36 mt.) or GCWR ≤ 143,000 lbs. (≤ 65 mt.) | Vehicle must have GAWR > 52,000 lbs. (> 23.5 mt.) or GVWR > 80,000 lbs. (> 36 mt.) or GCWR > 143,000 lbs. (> 65 mt.) |
| Basic Coverage * | 12 months or 100,000 miles (160 934 km) | 12 months or 100,000 miles (160 934 km) | 12 months or 100,000 miles (160 934 km) |
| Chassis Towing | Towing/Road Service coverage is limited to 90 days or 5,000 miles (8047 km), whichever occurs first, limited to the truck (less trailer) and to a single tow per incident to the nearest authorized Mack Trucks service center. Charges in excess of \$1,000 are not covered unless Mack OneCall™ service is contacted and approves additional amounts prior to tow. | | Not Applicable |
| Air Conditioning | Air conditioning (sealed system only) is covered for 12 months with no mileage limitation. | | |
| Engine / Emission | Not covered under this warranty certificate. See respective engine manufacturer's warranty certificate. See paragraph 19 on reverse side. | | |
| Transmission, Driveline, Rear Axle, Front Non-Drive Steer Axle | 36 months or 350,000 miles (563 270 km) Covered Components are as follows: • Manual Transmission – Transmission assembly • Driveline – Bearings, hangers & shafts • Rear Axle – Differential carrier assembly & axle housing • Front Non-Drive Steer Axle – Axle beam, steering knuckle, & tie rod Allison Automatic Transmissions are not covered under this warranty certificate. See paragraph 19 on reverse side. | | 12 months or 100,000 miles (160 934 km) |
| Mack Carrier & Axle Housing | 60 months or 500,000 miles (804 672 km) | 36 months or 300,000 miles (482 803 km) | 12 months or 100,000 miles (160 934 km) |
| Mack T300 Transmission | 60 months or 750,000 miles (1 207 008 km) | 36 months or 400,000 miles (643 738 km) | 12 months or 100,000 miles (160 934 km) |
| mDRIVE™ Transmission | 60 months or 750,000 miles (1 207 008 km) mDRIVE™ and mDRIVE™ HD | mDRIVE™: 36 months or 250,000 miles (402 336 km); mDRIVE™ HD: 36 months with no mileage limitation | 12 months or 100,000 miles (160 934 km); mDRIVE™ HD: 24 months with no mileage limitation |
| mDRIVE™ Clutch | 36 months or 300,000 miles (482 803 km) mDRIVE™ and mDRIVE™ HD | 36 months or 250,000 miles (402 336 km) mDRIVE™ and mDRIVE™ HD | mDRIVE™: 12 months or 100,000 miles (160 934 km); mDRIVE™ HD: 24 months or 250,000 miles (402 336 km) |
| mDRIVE™ & T300 Towing | Towing/Road Service on warrantable transmission failures is covered to 24 months or 250,000 miles (402 336 km) whichever occurs first, limited to the truck (less trailer), and to a single tow per incident to the nearest authorized Mack Trucks service center. Charges in excess of \$1,000 are not covered unless Mack OneCall™ service is contacted and approves additional amounts prior to tow. | | Not Applicable |
| Trunnion Bracket | 36 months or 300,000 miles (482 803 km) Limited to Trunnion Bracket & Spindle, Suspension Trunnion (Except Bushings) | | 12 months or 100,000 miles (160 934 km) (same restrictions as Normal & Heavy) |
| Cab Structure | 60 months or 500,000 miles (804 672 km) | 24 months or 200,000 miles (321 869 km) | 12 months or 100,000 miles (160 934 km) |
| Internal Cab Corrosion | 60 months or 500,000 miles (804 672 km) | 60 months or 500,000 miles (804 672 km) | 60 months or 500,000 miles (804 672 km) |
| Covered only where metal is perforated from the inside to the outside. See paragraph 18 on the reverse side. | | | |
| Frame Rail / Crossmembers | 60 months or 500,000 miles (804 672 km) AN/CXU/PI/CHU Models Only: 72 months or 750,000 miles (1 207 008 km) | 36 months or 300,000 miles (482 803 km) GR/GU Model only: 60 months or 500,000 miles (804 672 km) | 12 months or 100,000 miles (160 934 km) |
| Noise Emission | LIFE OF VEHICLE: Mack Trucks, warrants to the first purchaser of this vehicle for purposes other than resale, and to each subsequent purchaser, that this vehicle was designed, built and equipped to conform, at the time of sale to such first purchaser, with all applicable U.S. EPA noise control regulations. This warranty is not limited to any vehicle particular part, component, or system of the vehicle. Defects in the design, assembly, or any part, component or system of the vehicle, which at the time of sale to such first purchaser, caused noise emission levels to exceed Federal standards, are covered by this warranty for the life of the vehicle. EXCLUSIONS: Failures which arise as a result of tampering rather than from defects in the design, assembly, or any part, components, or system of the vehicle are not covered by this warranty. | | |

*Covered for 30 Days: Fluorescent Lights or Ballast, Light Bulbs, Fuses, Wiper Blades, and All Filters (oil, fuel, air, etc.).
Covered for 90 Days: Loose Fasteners, Leaking Fittings, or Loose Hose Clamps.

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-GENUINE PARTS:** Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
19. **VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS:** Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, or 402,000 kilometers.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salt/chemicals, industrial fall-out or the use of improper cleaners, polishes and/or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL, INDIRECT, AND INCIDENTAL DAMAGES. MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

MAEK®

Mack Trucks, Inc.
Post Office Box 26259
7825 National Service Road
Greensboro, North Carolina 27409

STANDARD ENGINE
WARRANTY CERTIFICATE
(EPA 17 and Newer, Model Year 2020)



Mack Trucks warrants certain individual components of each new Mack MP®7 and MP8 EPA 17 and newer emission engine in a new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks’ maintenance and inspection requirements are followed. See your local authorized Mack dealer for recommended maintenance and inspection procedures. All warranty periods are calculated from the date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations and exclusions as noted.

LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE FOLLOWING PAGES OF THIS CERTIFICATE. THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

This warranty applies to only new Mack MP®7 and MP8 engines meeting EPA 17 and newer emission requirements in new Mack trucks operated in the United States and Canada installed in Model Year 2020 trucks.

Standard Mack Engine Components Coverage: 24 months or 250,000 miles (402 336 km), whichever occurs first, unless otherwise noted.

Major Components Coverage: 60 months or 500,000 miles (804 672 km), whichever occurs first.

USE OF IMPROPER OR UNAPPROVED FUEL OR ENGINE OIL WILL VOID THE ENGINE AND AFTERTREATMENT SYSTEM (DIESEL PARTICULATE FILTER) WARRANTIES. EPA 17 EMISSION MACK ENGINES REQUIRE THE USE OF MACK SPECIFICATION EOS 4.5 HIGH PERFORMANCE DIESEL ENGINE OIL AND ULTRA LOW SULFUR DIESEL (ULSD) FUEL.

USE OF FLUIDS OTHER THAN API CERTIFIED DIESEL EXHAUST FLUID (DEF) WILL COMPROMISE AFTERTREATMENT SYSTEM PERFORMANCE, INCREASE EMISSIONS, AND MAY IMPACT THIS TRUCK’S PRODUCT WARRANTIES.

SEE FOLLOWING TABLE FOR SPECIFIC COVERAGES:

| Component | Coverage |
|--|---|
| Air Compressor | Includes: Sprocket and Mounting Bolts |
| Bearings | All internally lubricated bearings and bushings only. |
| Camshaft, Caps, and Bolts | Failures resulting from the valve and injector adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered. |
| Connecting Rods, Caps, and Bolts | |
| Coolant Duct Cover | |
| Crankcase Ventilation Assembly | |
| Crankshaft | |
| Crankshaft Hub | |
| Cylinder Block | Includes: Casting, Main Caps, and Bolts |
| Cylinder Block Heater | |
| Cylinder Head | Includes: Assembly, Casting, Bolts, Plugs, and Sleeves |
| Diesel Particulate Filter Assembly (DPF) / Diesel Oxidation Catalyst (DOC) / Selective Catalytic Reduction (SCR) | Includes: Aftertreatment Hydrocarbon Injector (AHI), Aftertreatment Wiring Harness, Aftertreatment Control Module, Diffuser Pipe (AHI Mounting), Fuel Lines to AHI Injector, AHI Shutoff Valve, AHI Fuel Pressure Sensor, Pre-Catalyst Temperature Sensor, Post-Catalyst Temperature Sensor, Downstream DPF Temperature Sensor, Differential Pressure Sensor, Particulate Matter (PM) Sensor, SCR Assembly, DEF Pump Assembly (Pump Reverting Valve, Pump Pressure Sensor), DEF Injector, DEF Tank Heating Control Valve, and NOx (SCR Inlet and Outlet) Sensor |
| EGR (Exhaust Gas Recirculation) Components | All components including Clamps, Control Valve, Cooler, Fittings, Gaskets, Mixer, Pipes, and EGR Wiring Harness. Excludes: EGR Cooler Vibration Damper which is a maintenance item. |
| Electrical EA Harness Supplied with Engine | From EECU to sensors and injectors and actuators |
| Engine Electronic Control Unit (EECU) | |
| Engine Brake Mechanism - PowerLeash™ | Factory installed only. Includes: PowerLeash™ Control Valve and PowerLeash™ Rocker Arms. Turbo Compound (TC) engine: Closed Loop Butterfly (CLB) |

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| Exhaust Manifold | Includes: Casting, Joint Seals, Rings, and Wraps |
|---|--|
| Fan Belt Tensioner Assemblies and Bracket | Excludes: Fan Belts |
| Flywheel | Includes: Housing and Ring Gear |
| Fuel Filter Housing | Excludes: Filters |
| Fuel Injection System | Includes: Injectors and Common Rail Assembly (Electronic Fuel Pressure Regulator and Pressure Sensor) |
| Fuel Transfer Pump | |
| Gaskets, Seals, O Rings, and Silicon Sealant | |
| Gears | All internally lubricated gears only (Timing and Idler gears) |
| Hoses and Lines Supplied with Engine | Fluid carrying: Engine to engine mounted |
| Idler Pulleys | |
| Intake Manifold and Throttle Assembly | |
| Ladder Frame | |
| Oil Cooler | Engine Oil Cooler only |
| Oil Fill Tube and Cap | |
| Oil Filter Housing | Excludes: Oil Filters. Includes: All control valves and sensors contained in the Oil Filter Housing. |
| Oil Pan | |
| Oil Pump | |
| Piston Assembly | Includes: Cooler Nozzles, Liners, Pistons, and Rings |
| Pneumatic Control System | TC Engine: Air Valve Unit, Buffer Valve Unit, and Check Valve |
| Power Steering Pump | |
| Pre-Heater | Factory installed only. Includes: Preheat Relay, Terminals, and Power Cables |
| PTO Drive / REPTO (Rear Engine Mounted PTO Drive) | Factory installed only. Excludes: All Pumps or Driven Gears |
| Rocker Arm Assembly and Shafts | Includes: PowerLeash™ Rockers and Non-PowerLeash™ Rockers. Failures resulting from the valve and injector adjustments not being maintained properly are <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered. |
| Sensors (On Engine) | Includes: Coolant Temperature, Crankcase Pressure, Crankshaft (Engine Timing), EGR Temperature and Pressure, Engine Oil Level and Temperature, Engine Oil Pressure, Engine Position (Camshaft), Fuel Pressure and Temperature, Intake Boost Pressure and Temperature, and Inlet Manifold Air (Temperature and Pressure) |
| Starter Motor | |
| Telematics Gateway | TGW Unit and Associated Hardware (Antenna, Cab Overlay Harness, Antenna Cables) |
| Thermostat (Coolant) | Includes: Thermostat Side Cover |
| Timing Gear Cover and Plate | |
| Towing | Towing/Road Service on warrantable engine failures is covered to 24 months or 250,000 miles (402 336 km) whichever occurs first, limited to the truck (less trailer) and to a single tow per incident to the nearest authorized Mack service center. Charges in excess of \$1,000.00 are not covered unless Mack OneCall™ service is contacted and approves additional amounts prior to tow. |
| Turbocharger Assembly | Includes: VGT Actuator Module and Turbo Compound (TC) Assembly, if included |
| Valve Assembly | Includes: Guides, Keepers, Rotators, Seats, Springs, and Valves. Failures resulting from the valve adjustments not being maintained properly are <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered. |
| Valve Cover | |
| Valve Yokes (Bridge) and Pins | Failures resulting from the valve adjustments not being maintained properly are <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered. |
| Vibration Dampers and Bolts | |
| Water Pump Assembly | |
| | |
| Camshaft, Caps, and Bolts | Failures resulting from the valve & injector adjustments not being maintained properly are <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered. |
| Connecting Rods, Caps, and Bolts | |
| Crankshaft Forging | |
| Cylinder Block Casting, Main Caps, and Bolts | |
| Cylinder Head Casting and Bolts | |
| Exhaust Manifold Casting | |
| Flywheel Housing | |
| Gears | All internally lubricated gears only (Timing and Idler Gears) |
| Intake Manifold Housing | |
| Ladder Frame | |
| Thermostat Housing | |
| Timing Gear Cover and Mounting Plate | |

Continued on Page 3...

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-GENUINE PARTS:** Any failure of any vehicle, component or part caused by the by use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
19. **VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS:** Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, or 402,000 kilometers.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salt/chemicals, industrial fall-out or the use of improper cleaners, polishes and/or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL, INDIRECT, AND INCIDENTAL DAMAGES. MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

MAC[®]

Mack Trucks, Inc.
Post Office Box 26259
7825 National Service Road
Greensboro, North Carolina 27409

STANDARD EMISSIONS COMPONENT
WARRANTY CERTIFICATE
(EPA 17)



Mack Trucks warrants certain individual components of the Emission Control system in a new Mack truck equipped with a new Mack MP®7, MP8 and MP10 EPA 17 emission engine in a new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks’ maintenance and inspection requirements are followed. See your local authorized Mack Trucks dealer for recommended maintenance and inspection procedures. All warranty periods are calculated from the date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations and exclusions as noted.

LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE FOLLOWING PAGES OF THIS CERTIFICATE. THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

This warranty applies to new Mack MP®7, MP8, and MP10 engines meeting EPA 17 emission requirements in new Mack trucks operated in the United States and Canada.

Emission Control System Warranty: Engine emission controls manufactured by Mack Trucks are warranted to 60 months or 100,000 miles (160 934 km), whichever first occurs. Vehicles sold for use in California must have the Operator’s Manual in the vehicle which contains the California Emission System Warranty.

USE OF IMPROPER OR UNAPPROVED FUEL OR ENGINE OIL WILL VOID THE ENGINE AND AFTERTREATMENT SYSTEM (DIESEL PARTICULATE FILTER) WARRANTIES. MACK ENGINES REQUIRE THE USE OF MACK SPECIFICATION EOS 4.5 HIGH PERFORMANCE DIESEL ENGINE OIL AND ULTRA LOW SULFUR DIESEL (ULSD) FUEL.

USE OF FLUIDS OTHER THAN API CERTIFIED DIESEL EXHAUST FLUID (DEF) WILL COMPROMISE AFTERTREATMENT SYSTEM PERFORMANCE, INCREASE EMISSIONS, AND MAY IMPACT THIS TRUCK’S PRODUCT WARRANTIES.

SEE FOLLOWING TABLE FOR SPECIFIC COVERAGES:

| Covered Emissions Components 60 Months or 100,000 Miles (Whichever First Occurs) | Exclusions and Limitations |
|--|--|
| Aftertreatment Control Module (ACM) | |
| Aftertreatment Diesel Particulate Filter (DPF) with Aftertreatment Diesel Oxidation Catalyst (DOC) | Includes: Aftertreatment Doser, Aftertreatment Doser Module (Aftertreatment Fuel Shutoff Valve, Aftertreatment Fuel Pressure Sensor), Engine Exhaust Gas Temperature (EGT) Sensor, Aftertreatment DPF Intake Temperature Sensor, Aftertreatment DPF Outlet Temperature Sensor, Aftertreatment DPF Differential Pressure Sensor |
| Aftertreatment Wiring Harness (DPF) | |
| Aftertreatment Wiring Harness (SCR) | Includes: Jumper to AHI Pressure Regulator, ACM Power Supply, Heater NOx Care, DEF Tank |
| Charge Air Cooler (CAC) | |
| Crankcase Breather | Excludes: Crankcase Pressure Sensor |
| Crankcase Separator | |
| Crankcase Tubing & Hoses before Separator | |
| EGR Cooler | |
| EGR Valve and EGR Valve Control | |
| EGR Venturi | |
| Engine Electronic Control Unit (EECU) | For the failure to be covered under <u>Emissions Components</u> , the failure must affect the emissions of the unit. |
| Engine Turbocharger Assembly | Includes: Variable Geometry Turbo (VGT) Actuator |
| Exhaust Gas Piping | From Turbocharger to After-treatment system |

Continued on Page 2...

| Warranty Coverage | |
|---|---|
| Injectors | |
| Instrument Cluster | Limited to Repair of Microprocessor, MIL, Real Time Clock, DEF Gauge, DEF Lamp |
| Selective Catalytic Reduction (SCR) | Includes: Aftertreatment Selective Catalytic Reduction (SCR) Catalyst, Aftertreatment Diesel Exhaust Fluid (DEF) Pump (Aftertreatment DEF Dosing Absolute Pressure Sensor, Aftertreatment DEF Return Valve), Aftertreatment DEF Dosing Valve, Aftertreatment DEF Tank, Aftertreatment DEF Tank Heater/Sender, Aftertreatment DEF Tank Heater, Aftertreatment DEF Tank Heater Valve, Aftertreatment DEF Tank Temperature Sensor, Aftertreatment DEF Level Sensor, Aftertreatment DEF Heated Lines, Aftertreatment DEF Quality Sensor |
| Sensor, After-treatment Intake NOx | |
| Sensor, After-treatment Outlet NOx | |
| Sensor, Ambient Air Temperature Sensor | |
| Sensor, Crankshaft Position (CKP) | |
| Sensor, Engine Coolant Temperature (ECT) | |
| Sensor, Engine Exhaust Gas Recirculation (EGR) Differential Pressure Sensor | |
| Sensor, Engine Exhaust Gas Recirculation (EGR) Temperature | |
| Sensor, Intake Manifold Air Temperature/Pressure | |
| Sensor, Particulate Matter (PM) | |
| Tires | |
| Tires | Drive and Steer Only: The first 24 months or 24,000 miles (38 624 km) of vehicle operation, whichever occurs first, and applying only to the first set of tires on the vehicle when delivered to the ultimate purchaser. Subject to the terms and conditions of the tire manufacturer's warranty, excluding retreads. Emissions related warranty coverage only; Refer to the specific tire manufacturer's warranty policy for other term lengths. |
| Exterior and Air Conditioning Components | |
| Exterior Components | Limited to: Chassis Fairings, Ground Effect Extensions, Roof Deflectors, Cab Side Deflectors, Adjustable Roof Extensions, Side Deflector Extensions, Bumper Deflectors, A-Pillar Deflectors |
| Air Conditioning Components | Limited to: A/C Compressor, A/C Condenser, A/C Pressure Switches and Transducers, Bunk Climate Unit, Hoses (Compressor to Condenser, Condenser to Drier, Drier to Climate Unit, Climate Unit to Compressor, Bunk Climate Unit), Main Climate Unit, Receiver Drier |

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-GENUINE PARTS:** Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
19. **VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS AND ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS:** Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, 402,000 kilometers, or 6,250 engine hours.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salt/chemicals, industrial fall-out or the use of improper cleaners, polishes and/or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL, INDIRECT, AND INCIDENTAL DAMAGES. MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

MACK®

Mack Trucks, Inc.
Post Office Box 26259
7825 National Service Road
Greensboro, North Carolina 27409

MACK ENGINE PROTECTION PLAN 2



ENGINE PROTECTION PLAN 2 CERTIFICATE
(Valid for trucks ordered on or after April 2, 2018 or plans purchased February 19, 2018 or later)

Mack Trucks, Inc. ("Mack Trucks"), warrants certain individual components of each new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks maintenance and inspection requirements are followed. This extended coverage plan ("Protection Plan") provides additional coverage from failures of specified components or parts ("Covered Parts") that may occur after the Mack Standard Truck Warranty has expired and until the expiration of this Protection Plan. All warranty periods are calculated from date in service. This Protection Plan applies only to Mack trucks operated exclusively in the United States and Canada.

Mack Trucks' obligation under this Protection Plan is limited to, at its sole option, repair or replacement at a Mack Trucks authorized dealer of Covered Parts that are returned within the coverage period and acknowledged by Mack Trucks to be defective. Covered repairs must be performed by a Mack Trucks authorized dealer. All coverage is 100% for parts and labor except as noted. All parts replaced shall become the property of Mack Trucks.

This Protection Plan provides coverage for the following Covered Parts until the earliest to occur of the time/mileage/hours purchased, subject to the following Qualifications and Limitations.

Engine Plan 2 Covered Parts List

| Covered Parts | Qualifications and Limitations |
|--|---|
| Air Compressor | Includes: sprocket and mounting bolts |
| Bearings | All internally lubricated bearings and bushings only. |
| Camshaft, Caps and Bolts | Failures resulting from the valve and injector adjustments not being maintained properly are <u>NOT</u> covered. Normal maintenance adjustments are <u>NOT</u> covered. |
| Connecting Rods, Caps, and Bolts | |
| Coolant Duct Cover | |
| Coolant Pump Assembly | |
| Crankcase Ventilation Assembly | |
| Crankshaft | |
| Crankshaft Hub | |
| Cylinder Block | Includes: Casting, main caps, bolts |
| Cylinder Block Heater | |
| Cylinder Head | Includes: assembly, casting, bolts, plugs, sleeves |
| EGR (Exhaust Gas Recirculation) Components | All components including clamps, control valve, cooler, fittings, gaskets, mixer, pipes, and EGR wiring harness. Excludes: EGR cooler vibration damper which is a maintenance item. |
| Continued on Page 2... | |

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL AND INCIDENTAL DAMAGES. MACK TRUCKS NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 3 of this Warranty Certificate and are available through a Mack Trucks

MACK ENGINE PROTECTION PLAN 2



| Covered Parts | Qualifications and Limitations |
|---|---|
| Electrical EA Harness Supplied with Engine | (From EECU to sensors and injectors and actuators) |
| Engine Brake Mechanism - PowerLeash™ | Includes: PowerLeash™ control valve and PowerLeash™ rocker arms (factory installed only) |
| Engine Electronic Control Unit (EECU) | |
| Engine Heat Shield | |
| Engine Mounted Sensors | Includes: Coolant temperature, crankcase pressure, crankshaft (engine timing), EGR temperature and pressure, engine oil level and temperature, engine oil pressure, engine position (camshaft), fuel pressure and temperature, intake boost pressure and temperature, inlet manifold air (temperature and pressure) |
| Exhaust Manifold | Includes: Casting, joint seals, rings or wraps |
| Fan Belt Tensioner Assembly and Bracket | Excludes: Fan belts |
| Flywheel | Includes: Housing and ring gear |
| Fuel Filter Housing | Excludes: Filters |
| Fuel Injection System | Includes: Injectors, sleeves, common rail assembly (electronic fuel pressure regulator and pressure sensor) |
| Fuel Transfer Pump | |
| Gaskets, Seals, O Rings, Silicon Sealant | |
| Gears | All internally lubricated gears only (timing and idler gears) |
| Hoses and Lines, Supplied with Engine | Fluid carrying: engine to engine mounted |
| Idler Pulleys | |
| Intake Manifold and Throttle Assembly | |
| Ladder Frame | |
| Oil Cooler | Engine oil cooler only |
| Oil Fill Tube and Cap | |
| Oil Filter Housing | Excludes: Oil filters |
| Oil Pan | |
| Oil Pump | |
| Piston Assembly | Includes: Cooler nozzles, liners, pistons, rings |
| Power Steering Pump | |
| Pre-Heater | Includes: Preheat relay, terminals, power cables. Factory installed only. |
| PTO Drive / REPTO (Rear Engine Mounted PTO Drive) | Factory installed only; Excludes all pumps or driven gears |
| Rocker Arm Assembly and Shafts | Includes: PowerLeash™ rockers and non- PowerLeash™ rockers. Failures resulting from the valve and injector adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered. |
| Thermostat (Coolant) | Includes: Thermostat side cover |
| Timing Gear Cover and Mounting Plate | |
| Turbocharger Assembly | Includes: VGT actuator module, HE+ Package, if included |
| Valve Assembly | Includes: Guides, keepers, rotators, seats, springs, valves; failures resulting from the valve adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered. |
| Valve Cover | |
| Valve Yokes (Bridge) and Pins | Failures resulting from the valve adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered. |
| Vibration Dampers and Bolts | |
| Covered Telematics Components | Qualifications and Limitations |
| Mack Proprietary Hardware (Factory Installed) | Includes: Wiring Harness, Telematics Gateway (TGW) control unit. |
| Software (GuardDog® Connect) | Includes: Remote software updates, if equipped. Remote configuration updates, if equipped. Two configuration updates allowed each year for the first two years. After two years, remote configuration updates may be added as a subscription or additional fee. |

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 3 of this Warranty Certificate and are available through a Mack Trucks

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-GENUINE PARTS:** Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all stored and broadcasted data from all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists or bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
19. **VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS:** Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, 402,000 kilometers, or 6,250 engine hours.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes and or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

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MAEK

Mack Trucks, Inc.
Post Office Box 26259
7825 National Service Road
Greensboro, North Carolina 27409



MACK Towing for Engine

This extended towing protection plan ("Protection Plan") provides towing coverage in addition to and after the expiration of that provided in Mack's Standard and Purchased Warranty Certificates, as set for below. All warranty and Protection Plan periods are calculated from date in service. This Protection Plan applies only to Mack Trucks operated exclusively in the United States and Canada.

Mack Trucks' obligation under this Protection Plan arises only when towing is required due to a failure that is covered by an applicable Mack Trucks' warranty identified below, and only when repairs are performed by a Mack Trucks authorized dealer.

This Protection Plan provides towing coverage for the failures under the following Standard and Purchased Coverage Certificates, subject to the following Qualifications and Limitations.

Mack Engine Towing for Normal Duty Application Protection Plan Covered Service List

| Underlying Warranty or Coverage | Qualifications and Limitations |
|---------------------------------|--|
| Engine Towing | Towing on warrantable engine and engine aftertreatment failures are limited to the following: <ul style="list-style-type: none">A single tow per incident to the nearest authorized Mack Trucks Service CenterCharges in excess of \$1,000.00 are not covered unless Mack One Call Action Service is contacted and approves additional amounts prior to tow |

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL AND INCIDENTAL DAMAGES. MACK TRUCKS, INC. NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 2 of this Warranty Certificate and are available through a Mack Trucks authorized dealer.

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-GENUINE PARTS:** Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
19. **VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS:** Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, 402,000 kilometers, or 6,250 engine hours.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes and or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

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Greensboro, North Carolina 27409



MACK EXHAUST AFTERTREATMENT SYSTEM PROTECTION PLAN

EXHAUST AFTERTREATMENT SYSTEM
EPA 2014 and newer

Mack Trucks, Inc. ("Mack Trucks"), warrants certain individual components of each new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks maintenance and inspection requirements are followed. This extended coverage plan ("Protection Plan") provides additional coverage from failures of specified components or parts ("Covered Parts") that may occur after the Mack Standard Truck Warranty has expired and until the expiration of this Protection Plan. All warranty periods are calculated from date in service. This Protection Plan applies only to Mack trucks operated exclusively in the United States and Canada.

Mack Trucks' obligation under this Protection Plan is limited to, at its sole option, repair or replacement at a Mack Trucks authorized dealer of Covered Parts that are returned within the coverage period and acknowledged by Mack Trucks to be defective. Covered repairs must be performed by a Mack Trucks authorized dealer. All coverage is 100% for parts and labor except as noted. All parts replaced shall become the property of Mack Trucks.

This Protection Plan provides coverage for the following Covered Parts until the earliest to occur of the time/mileage/hours purchased, subject to the following Qualifications and Limitations.

Exhaust Aftertreatment System Covered Parts List

| Covered Parts | Qualifications and Limitations |
|-------------------------------------|--|
| Aftertreatment Control Module (ACM) | |
| AHI Module, Nozzle and Valve | |
| DEF Pump Assembly | |
| DEF Tank Assembly | Includes: Tank, Tank Heater/Sender, Heated hoses |
| DPF Assembly | Includes: AHI / 7th Injector |
| Exhaust Aftertreatment Sensors | Includes: Sensor harnesses that is part of DPF and SCR assemblies. Does not include chassis harness. |
| SCR Assembly | |

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL AND INCIDENTAL DAMAGES. MACK TRUCKS NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 2 of this Warranty Certificate and are available through a Mack Trucks authorized dealer.

MACK TRUCKS INC ("MACK TRUCKS") STANDARD WARRANTY LIMITATIONS & EXCLUSIONS

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAR/OUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-STANDARD PARTS:** Any failure of any vehicle, component or part caused by the by use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service calls are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered.
19. **ENGINES AND TRANSMISSIONS:** Engines and automatic transmissions that are not manufactured by Mack Trucks are warranted by their respective manufacturers and not by Mack Trucks. Refer to the engine and transmission manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, 402,000 kilometers, or 6,250 engine hours.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes and or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL AND INCIDENTAL DAMAGES. MACK TRUCKS NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.



MACK TRUCKS INC., WARRANTY CERTIFICATE FOR
CHASSIS PROTECTION PLAN 2
(EPA 2014 and later)

Mack Trucks, Inc. ("Mack Trucks"), warrants certain individual components of each new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks maintenance and inspection requirements are followed. This extended coverage plan ("Protection Plan") provides additional coverage from failures of specified components or parts ("Covered Parts") that may occur after the Mack Standard Truck Warranty has expired and until the expiration of this Protection Plan. All warranty periods are calculated from original date in service. This Protection Plan applies only to Mack trucks operated exclusively in the United States and Canada.

Mack Trucks' obligation under this Protection Plan is limited to, at its sole option, repair or replacement at a Mack Trucks authorized dealer of Covered Parts that are returned within the coverage period and acknowledged by Mack Trucks to be defective. Covered repairs must be performed by a Mack Trucks authorized dealer. All coverage is 100% for parts and labor except as noted. All parts replaced shall become the property of Mack Trucks.

This Protection Plan provides coverage for the following Covered Parts until the earliest to occur of the time/mileage purchased, subject to the following Qualifications and Limitations.

Chassis Protection Plan 2 Covered Parts List

| Air System | Qualifications and Limitations |
|------------------------|---|
| Air Dryer | Includes: Purge Valve and Relief Valve Excludes: Maintenance |
| Air Governor | |
| Air Reservoir | |
| Cowl Vent | |
| Brake & Wheel Hub | Qualifications and Limitations |
| ABS | Includes: Control Module, Relay Valves, Modulators, Wiring Harness and Sensors |
| Axle Shafts | |
| Brake Assembly | Includes: Cam Roller, Return Spring and Spider Excludes: Brake Lining, Wear and Tear Items |
| Brake Chamber | |
| Brake Piping | Includes: Flex Piping Excludes: Plastic Airline Piping |
| Brake Valves | Includes: ATC Valve |
| Disc Brake Caliper | |
| Continued on Page 2... | |

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This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 5 of this Warranty Certificate and are available through a Mack Trucks authorized dealer.

Chassis Plan 2 Covered Parts List (Continued from Page 1)

| Part | Qualifications and Limitations |
|--|---|
| Hub | Includes: Hub, Hub Caps and Wheel Bearings Excludes: Wheel Seals |
| Hubodometer | |
| Slack Adjuster | |
| Cab General Components | Qualifications and Limitations |
| Bumper and Bumper Brackets | |
| Cab | Includes: Frame of Cab, Cab Mounting Excludes: Corrosion, Glass and Paint |
| Cab Steps | |
| Charge Air Cooler | Includes: Charged Air Cooler Piping |
| Door | Includes: Hinges, Handles, Door Post Lock, Hinge, Locks and Window Regulator. Excludes: Glass |
| Gear Shifter and Assembly | Includes: Knob, Piping, Selector and Wires Excludes: Vendor Transmission Gear Selectors |
| Factory-Installed Air Fairing, Deflectors and Extensions | Limited to: Chassis Fairings, Ground Effect Extensions, Roof Deflectors, Cab Side Deflectors, Adjustable Roof Extensions, Side Deflector Extensions, Bumper Deflectors, A-pillar Deflectors |
| Grab Handles | |
| Hood Assembly | Includes: Grill, Hood, Hood Mounting, Ornament and Base |
| Interior Trim | Excludes: Wear and Tear |
| Keyless Entry | Receiver Module and Transmitter |
| Mirrors | Includes: Mounting hardware |
| Pedals | Includes: Accelerator, Brake and Clutch Pedal and Interior Linkage |
| Seats | Includes: Seat and Safety Belts |
| Sleeper Box | |
| Sun Visor | Includes: Interior Visor and Factory-Installed Exterior Visors |
| Windshield | Includes: Front and Rear Windshield Seal |
| Windshield Washer & Wiper System | Includes: Reservoir, Piping, Nozzles, Wiper Motor, Arms, Linkage and Valve Excludes: Wiper Blades |
| Telematics | Qualifications and Limitations |
| Telematics Hardware (Factory Installed) | Includes : Wiring Harness Excludes: Software and Software Updates |
| Driveline | Qualifications and Limitations |
| Center Hanger Bracket and Bearing | |
| Drive Shafts, U Joints & Yokes | |
| Electrical General Components | Qualifications and Limitations |
| Alternator | Includes: Mounting and Pulley |
| Appliances, Audio and Video | Includes: Factory Installed Camera, Radio Excludes: TV, DVD, Microwave, Refrigerator, Remote Controls and Communication Radio |
| Continued on Page 3... | |

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 5 of this Warranty Certificate and are available through a Mack Trucks authorized dealer.

Chassis Plan 2 Covered Parts List (Continued from Page 3)

| Electrical / Chassis Components | Qualifications and Limitations |
|--|--|
| Battery Cables | Excludes: Batteries and Corrosion Damage |
| Inverter | Includes: Factory Installed AC/DC and DC/DC converter |
| Circuit Breakers | Excludes: Fuses |
| Fuse Box | Excludes: Fuses |
| Instrument Panel | Includes: Alarm, Assembly, Speedometer, Tachometer and Display Excludes: Bulbs/LED |
| Lights | Includes: Back up, Cab, Headlights, Sleeper and Roof Excludes: Bulbs/LED |
| Relays | Includes : DRL Excludes: Starter Motor AUX Relay located on starter. |
| Sensors | Excludes: Engine Mounted Sensors, EATS Sensors, Transmission Sensors and Vendor Sensors |
| Starter Motor | Excludes: Solenoid and AUX Relay |
| Switches | Excludes: HVAC Switches |
| Vehicle Electronic Control Unit | |
| Wire Harness | Includes: Main Cab Harness, Chassis Harness, Door, Mirror , Steering Wheel harness for indicator and horn Excludes: EATS, EGR Wire Harness, Engine Harness, Block Heater and Vendor Harness |
| Engine Accessories | Qualifications and Limitations |
| Air Cleaner Housing | Includes: Housing, Indicator, Mounting and Piping |
| Chassis Mounted Engine Oil Filter Mounting | |
| Exhaust System Shields | Excludes: Flex Pipe |
| Expansion Tank and Mounting | Includes: Cap, Tank and Mounting |
| Fan | Includes: Fan Drive, Shroud and Fan Spacer Excludes: All Belts, Tensioners and Idler on the Engine |
| Fuel Tank | Includes: Tank, Mounting, Piping (from tank to primary fuel filter) and Valves. |
| Fuel Warmer and Separator | Excludes: Filter and Seal |
| Oil Filler | Includes: Tube, Cap, Dipstick Guide and Dipstick |
| Radiator | Includes: Radiator, Cap and Mounting |
| Transmission Mounting | |
| Frame | Qualifications and Limitations |
| Battery Box | |
| Crossmembers | Includes: Hulk Bolts Excludes: Mud Flaps and Brackets |
| Engine Mounting | |
| Fifth Wheel (Factory Installed) | Includes: Deckboard, Helper and Ramp |
| Tow Hook | |
| HAAC | Qualifications and Limitations |
| Air Conditioner Compressor | Includes: Pulley and mounting bolts |
| Air Conditioning Condenser | Dryer covered only when replacement is necessary due to a failure of a covered part. |
| Air Conditioning Evaporator | |
| Blower Motor | Includes: Resister |
| Expansion Valve | |
| Continued on Page 4... | |

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 5 of this Warranty Certificate and are available through a Mack Trucks authorized dealer.

Chassis Plan 2 Covered Parts List (Continued from Page 3)

| Heater | |
|---|---|
| Heater Controls | |
| Heater Control Valve | |
| Heater Core | |
| Heater Ducts | |
| Heater Fan | |
| Heater Housing and Drain Pan | |
| Heater Thermostat | |
| Lines and Tubes | Includes: A/C Hoses |
| Mode Box | |
| Mounting Brackets and Braces | |
| Steering | |
| Steering Axle I Beam | |
| Steering Column | Includes: Column Lock, Cable |
| Steering Gear | Includes : Bearing, Bushing, Drag Link, Mounting Bracket, Pitman Arms and Seals |
| Steering Knuckle | Excludes : Bearings, Bushing and King Pin |
| Steering Pump | Includes: Reservoir |
| Steering Shaft | Includes: U-Joint |
| Steering Wheel | Includes: Horn Button and Contract Ring Excludes: SRS Airbag |
| Cross Steering Tube | Includes: Tie Rods |
| Suspension | |
| Shock Absorber Mounting Brackets | Excludes : Shocks |
| Spring Mounting Brackets, Clips and U-Bolts | |
| Springs Front, Rear and Helper | |
| Stabilizer Bar and Brackets | |
| Suspension | Limited to: OEM Suspension and Hendrickson-Manufactured Suspension Components Excludes: Air Bags |
| Torque Rod | |
| Transmission Oil Cooler & Piping | |
| Transmission Oil Cooler & Piping | Limited to: OEM installed Chassis Mounted |

This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 5 of this Warranty Certificate and are available through a Mack Trucks authorized dealer.

MACK TRUCKS INC.'S ("MACK TRUCKS") STANDARD WARRANTY LIMITATIONS & EXCLUSIONS

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-STANDARD PARTS:** Any failure of any vehicle, component or part caused by the by use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service calls are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered.
19. **ENGINES AND TRANSMISSIONS:** Engines and automatic transmissions that are not manufactured by Mack Trucks are warranted by their respective manufacturers and not by Mack Trucks. Refer to the engine and transmission manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, 402,000 kilometers, or 6,250 engine hours.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes and or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL AND INCIDENTAL DAMAGES. MACK TRUCKS, INC. NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

Mack Trucks, Inc.
7900 National Service Road
Greensboro, North Carolina 27409

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MACK Towing Chassis

This extended towing protection plan ("Protection Plan") provides towing coverage in addition to and after the expiration of that provided in Mack's Standard and Purchased Warranty Certificates, as set for below. All warranty and Protection Plan periods are calculated from date in service. This Protection Plan applies only to Mack Trucks operated exclusively in the United States and Canada.

Mack Trucks' obligation under this Protection Plan arises only when towing is required due to a failure that is covered by an applicable Mack Trucks' warranty identified below, and only when repairs are performed by a Mack Trucks authorized dealer.

This Protection Plan provides towing coverage for the failures under the following Standard and Purchased Coverage Certificates, subject to the following Qualifications and Limitations.

Mack Chassis Towing for Normal Duty Application Protection Plan Covered Service List

| Underlying Warranty or Coverage | Qualifications and Limitations |
|---------------------------------|--|
| Chassis | Towing on warrantable Chassis failures are limited to the following: <ul style="list-style-type: none">A single tow per incident to the nearest authorized Mack Trucks Service CenterCharges in excess of \$1,000.00 are not covered unless Mack One Call is contacted and approves additional amounts prior to tow |

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This Warranty is subject to Mack Trucks' Standard Warranty Limitations and Exclusions, which are printed on page 2 of this Warranty Certificate and are available through a Mack Trucks authorized dealer.

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-GENUINE PARTS:** Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
19. **VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS:** Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, 402,000 kilometers, or 6,250 engine hours.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes and or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Tires are not covered by this warranty, but may be covered by separate warranties given by their respective manufacturers.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL, INDIRECT, AND INCIDENTAL DAMAGES. MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS

MACK®

Mack Trucks, Inc.
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7825 National Service Road
Greensboro, North Carolina 27409

Terms and Conditions

(1) What is Covered by this Commercial Warranty?

Meritor warrants to the Owner (Owner) that the components listed in this publication, which have been installed by an Original Equipment Manufacturer (OEM) as original equipment on vehicles designed for medium-duty use, will be free from defects in material and workmanship. This warranty coverage begins only after the expiration of the OEM's vehicle warranty for the applicable vehicle components. Warranty coverage ends at the expiration of the applicable time period from the date of vehicle purchase by the first Owner or the applicable mileage limitation, whichever occurs first. Duration of coverage varies by component and is listed in the table below in this warranty statement.

These components are warranted for parts only, and the Owner must pay any labor costs associated with the repair or replacement of the component. Other components are warranted for both parts and reasonable labor to repair or replace the defective component. Components (whether repaired or replaced) are considered as replacement parts for this warranty, are warranted only for the remainder of the original period of time in which the original warranty.

For certain components, coverage requires the use of specific extended drain interval or synthetic lubricants. For further information about lubrication and maintenance, see Meritor publication Maintenance Manual Number 1 and the applicable Meritor maintenance manual for the product in question. Other conditions and limitations applicable to this warranty are set forth below.

(2) Designation of Vocational Use Required.

To obtain warranty coverage, each Owner must notify Meritor through the OEM new truck and/or trailer dealer of the intended vocational use of the vehicle into which the Meritor components have been incorporated prior to the vehicle in-service date. This notification may be accomplished by registering the vehicle through your OEM new truck and/or trailer dealer or with Meritor directly. Failure to notify Meritor of the intended vocational use of the vehicle or, in a change in vocational use from that which was originally designated, will result in the application of a one-year, unlimited mileage, parts only warranty (1-Unl-P) from the initial in-service date.

As soon as Owner and each subsequent Owner must also notify Meritor as to the intended vocational use of the vehicle. This notification can be sent directly to Meritor or through the OEM new truck and/or trailer dealer. The duration and mileage coverage of this warranty cannot exceed the coverage extended to the first Owner after his/her initial designation of vocational use.

Coverage under Meritor's warranty requires that the application of the vehicle be properly approved pursuant to OEM and Meritor approvals. Refer to TP-9441 for axles, SP-853 for trailer axles, TP-1126 for disc brakes, and, in contact Meritor regarding specific application approval questions on any product line.

(3) What is the Cost of this Warranty?

There is no charge to the Owner for this warranty.

(4) What is not Covered by this Warranty?

This warranty does not cover normal wear and tear, nor does it cover a component that fails, malfunctions, or is damaged as a result of: improper installation, adjustment, repair, or modification; failure to use the use of unauthorized attachments or changes or modification in the vehicle's configuration; usage or operation from that which was originally approved by Meritor; all other accident, natural disaster, abuse, or improper use (including, but not limited to, exceeding the specified maximum vehicle weight or attaching engine power settings to exceed the axle and/or driveline capacity); or OMI wear, poor or insufficient maintenance (including, but not limited to, approved lubricants, change intervals, or lube labels). This warranty does not cover any component or part that is sold by Meritor for vehicles that operate full or part time outside of the United States and Canada; a one-year, unlimited mileage, parts only warranty (1-Unl-P) will apply.

(5) Remedy.

The exclusive remedy under this warranty shall be the repair or replacement of the defective component at Meritor's option. Meritor reserves the right to require that all applicable failed material be available and/or returned to Meritor for review and evaluation.

(6) Disclaimer of Warranty.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESSED, IMPLIED OR STATUTORY INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

(7) Limitation of Remedies.

In no event shall Meritor be liable for special, incidental, indirect or consequential damages of any kind, or under any legal theory, including, but not limited to, towing, downtime, lost productivity, cargo damage, taxes, or any other losses or costs resulting from a defective covered component.

(8) To Obtain Service.

If the Owner discovers within the applicable coverage period a defect in material or workmanship, the Owner must promptly notify in writing to either Meritor or the dealer from which the vehicle was purchased. To obtain service, the vehicle must be taken to any participating OEM new truck and/or trailer dealer or authorized Meritor service location. The dealer will inspect the vehicle and contact Meritor for an evaluation of the claim. When authorized by Meritor, the dealer will repair or replace during the term of this warranty any defective Meritor component covered by this warranty.

(9) Entire Agreement.

This is the entire agreement between Meritor and the Owner of a warrant, and no Meritor employee or dealer is authorized to make any additional warranty on behalf of Meritor. This agreement allocates the responsibilities for component failure between Meritor and the Owner.

Vehicle and product models, brands and names depicted herein are the property of their respective owners, and are not in any way associated with Meritor, Inc., or its affiliates.



Meritor, Inc., 10000 Meritor Drive, Detroit, MI 48202-3000
Meritor Canada, Inc., 10000 Meritor Drive, Detroit, MI 48202-3000
Meritor (UK) Limited, 10000 Meritor Drive, Detroit, MI 48202-3000

**JACK COUNTY COMPETITIVE
BID PROPOSAL FORM**

RECEIVED

(Purchase of Equipment in Commissioner Precinct 1) JAN 27 2020

JACK COUNTY AUDITOR


My bid is on a new:

\$ - 122,325.00 - Truck/Tractor

My bid meets or exceeds minimum Proposal requirements set forth in the bid specifications/detail.

My bid offer is good for - 60 - days.

Name of Bidder: Push Truck Centers - Fort Worth

By: 
(Authorized Agent)

Dated: JAN 24, 2020.

Net 30 payment terms from day of delivery.



Fort Worth TX
1480 NE Loop 820
Fort Worth, TX 76106
800-456-5229

Customer Proposal Letter

County of Jack
100 N. Main St. Room 202
Jacksboro, TX 76458
(940) 567-1550

Gary Oliver, thank you for the opportunity to earn your business. We look forward to working with you on your business needs. Please accept the following proposal.

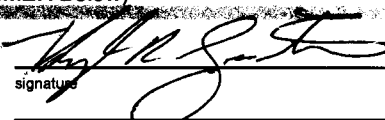
Make Peterbilt Model 389 Year 2021 Stock Number To Be Determined
Additional Vehicle and Accessories Description _____ To be delivered on or about _____

Net 30 day payment terms from day of delivery.

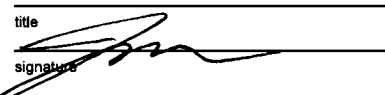
| Quantity | 1 | Total |
|---|--------------|--------------|
| Truck Price per Unit | \$122,325.00 | \$122,325.00 |
| F.E.T. (Factory & Dealer Paid) | \$0.00 | \$0.00 |
| Net Sales Price | \$122,325.00 | \$122,325.00 |
| Optional Extended Warranty(ies) | | |
| State Sales Tax | | |
| Documentary Fee | | |
| Administration Fee | | |
| Vehicle Inventory Tax | | |
| Additional Taxes | | |
| Tire Recycling Program | | |
| Battery Disposal Fee | | |
| Out of State Vehicle Fee | | |
| Rebate(s) | | |
| Total Sales Price (Including Rebate(s)) | \$122,325.00 | \$122,325.00 |
| Trade Allowance (see DISCLAIMER Below) | | \$0.00 |

Sales Representative
Purchaser

Accepted by Sales Manager or General Manager


signature

signature

title

signature

Kyle Smith
printed name

printed name

date
JACOB SPENCER
printed name

Quote good until 3/26/2020

Note: The above Customer Proposal is a quotation only. Sale terms subject to approval of Sales Manager of Dealer.

DISCLAIMER: Any order based on this Proposal subject to Customer executing Dealer's standard form Retail Purchase Order incorporating above terms. Any documentary fees, state tax, title, registration and license fees subject to adjustment and change. Actual F.E.T. to be paid by Dealer, subject to adjustment. Any F.E.T. variance will be responsibility of Dealer. Manufacturer has reserved the right to change the price to Dealer of any vehicle not currently in Dealer's stock, without notice to Dealer. If Quoted Vehicle(s) not currently in Dealer's stock, Dealer reserves right to change Quotation Total to reflect any price increases from Manufacturer. This Proposal is based upon Dealer's current and expected inventory, which is subject to change. Dealer not obligated to retain any specific vehicles in stock, nor maintain any specific inventory level. Dealer shall not be obligated to fulfill Proposal in event quoted vehicle(s) not in stock or available within requested delivery schedule at time Proposal accepted. Dealer shall not be liable for any delay in providing or inability to provide Quoted Vehicle(s), where such inability or delay is due, in whole or in part, to any cause beyond the reasonable control of Dealer or is without the gross negligence or intended misconduct of Dealer. Above listed Trade Value based upon current appraisal of Trade Vehicle(s). Dealer may adjust Trade Value of Trade Vehicle(s) to reflect changes in condition and/or mileage of Trade Vehicle(s) between date of current appraisal and acceptance of this Proposal by Customer.

RTC Q-300-7/12

Printed on 1/24/2020 at 4:45 PM.

INVITATION TO BID

Bids will be received in the County Auditor's Office of Jack County, Texas until 9:00 a.m., Monday, January 27, 2020, for the purchase of various goods and services for Jack County.

The types of goods and services to be purchased are one or more of the following:

Truck/ Tractor, Model 2020 or newer*

** The minimum bid specifications and requirements to bid are contained in the Bid Form on file in the County Auditor's office.*

Bidders should use unit pricing in submitting their bids. Invoices delivered for payment will generally be paid by the second Monday of the month following receipt. No bond shall be required of the bidder.

The bids will be opened at 9:15 a.m. on Monday, January 27, 2020, by the County Auditor in the County Courtroom on the first floor of the County Courthouse in Jacksboro, Texas and awarded in the Commissioners Court's business on Monday, January 27, 2020, at the same location beginning at 10:00 a.m.

Detailed specifications may be obtained by contacting:

Lisa Perry

Auditor - Jack County
Jack County Courthouse
Jacksboro, Texas 76458

Voice: (940) 567-2663
Fax: (940) 567-5978

The County's website is located at www.jackcounty.org.

Bids should be submitted in a sealed number 10 or smaller envelope with the proper title ("Precinct 1 Equipment Bid") on the **outside** of the bid envelope.

Bidders are encouraged to be present at the bid opening to defend and answer questions about their bid.

Jack County reserves the right to accept and/or reject any and all bids.

Under Section 271.905, Texas Local Government Code; the Commissioner's court reserves the right to award a contract to a qualified local bidder within three percent of the lowest bid.

All bids must be accompanied by a completed Bid Request Form that may be obtained through the office of the County Auditor.

Lisa Perry
Auditor - Jack County

TITLE: JACK COUNTY BID REQUEST

PROJECT: Purchase/Sale of Equipment in Commissioner Precinct 1

Date: December 26, 2019

SCOPE: Jack County is now accepting formal proposals for the purchase of one or more of the following: new Truck/Tractor. The minimum specifications for both are attached.

SPECIFICATIONS: Attached is a bid form to be used in submitting all bids. Supporting materials may be attached but the bid form indicating price per item **must** be properly completed to assure bid consideration.

The bid form is in two sections: an informational section (this section) and a list of the desired equipment and minimum features.

Bidders will be required to deliver with their bid a cost deposit in the amount of \$200.00 by cashier's check to cover the costs of publication in the event of his/her failure to perform. Said check will be applied in purchase for a successful bidder and returned in the event the bidder is unsuccessful.

TYPES OF ITEMS SOUGHT: The attached bid form lists the equipment/supplies and quantities desired and minimum specifications. All bids submitted must meet or exceed those specifications listed.

All materials must be of equivalent or better quality as shown in the specifications under **"DESCRIPTION OF ITEM."**

USE OF BID FORM: Failure to complete the County Bid Form and use the prescribed envelope may disallow a proposal for consideration. Further attachments to your County Bid Form may be made.

MINIMUM SPECIFICATIONS FOR ONE OR MORE NEW TRUCK/TRACTORS

Highlighted items hold exemptions on following page.

1.0 YEAR MODEL:

- 1.1 2021 or newer

2.0 CAB AND HOOV:

- 2.1 Conventional type cab with fiberglass tilting front hood.
- 2.2 Galvanized steel cab shell with welded seams.
- 2.3 Visibility window in right-hand door.
- 2.4 Bug screen mounted to front of radiator.
- 2.5 Bright finish grille.
- 2.6 Air suspension type rear cab mounting.
- 2.7 Integral heater and air conditioner combination unit.
- 2.8 Rubber floor covering.
- 2.9 Gauges to include: speedometer, tachometer, oil pressure, coolant temperature, air pressure, fuel level, DEF level and transmission oil temperature.
- 2.10 Safety tinted side and rear windows.
- 2.11 Grab handles for easy access.
- 2.12 Single trumpet air horn mounted on the roof of the cab.
- 2.13 Padded interior door panels with a storage pouch mounted on the driver's door.
- 2.14 Exterior LH & RH heated and motorized mirrors with wide angle convex mirror on each side.
- 2.15 AM/FM radio with Bluetooth for hands free cellular phone operation.
- 2.16 CB radio antenna with radio mounting plate mounted on top of dash or in header console.
- 2.17 Air suspension high-back driver's seat with vinyl covering and armrest.
- 2.18 Stationary passenger seat with vinyl covering and armrest.
- 2.19 Seat belts, three point lap and shoulder, adjustable type.
- 2.20 Tilt and telescoping type adjustable steering column.
- 2.21 Control switches in steering wheel for operation of cruise control, radio and phone.
- 2.22 Stainless steel exterior sun visor.
- 2.23 RH and LH interior sun visors.
- 2.24 Intermittent windshield wipers.
- 2.25 Paint white.

3.0 FRAME AND FRAME MOUNTED EQUIPMENT:

- 3.1 Steel C-Channel type frame rails with a minimum 10.0" X 3.5" X .3" cross- section, without frame reinforcement.
- 3.2 215" to 225" Wheelbase.
- 3.3 Bright finish front bumper.
- 3.4 Rear mud flaps mounted on spring loaded type mud flap brackets.
- 3.5 Single or dual aluminum fuel tanks with a minimum total capacity of 80 gallons.
- 3.6 Fifth wheel, air slide with 24" travel.
- 3.7 Deck plate mounted on top of frame with steps on LH side for easy access to trailer connections.

4.0 ENGINE AND ENGINE EQUIPMENT:

- 4.1 Engine to be compliant with all current EPA emissions regulations.
- 4.2 Electronically controlled diesel injected engine.
- 4.3 Minimum 13 liter displacement.
- 4.4 Minimum 445 horsepower.
- 4.5 1800 Lb. Ft. torque.
- 4.6 Fuel/Water separator.
- 4.7 Engine brake.
- 4.8 Single vertical exhaust with bright finish heat shield and stack. Stack to have turned out end on top.

5.0 TRANSMISSION CLUTCH AND DRIVELINE:

- 5.1 Automated manual transmission with a minimum of 12 forward speeds and 2 reverse speeds with a low gear ratio of 11.5 or lower and an overdrive gear ratio or .78 or higher.
- 5.2 Dash mounted shifter with manual mode capability.
- 5.3 Equipped with anti-rollback feature to keep the vehicle from rolling back for at least three seconds after the brake pedal is released.
- 5.4 Must have PTO capabilities.
- 5.5 Transmission must automatically shifts to neutral when the park brake is applied or if the key is turned off.
- 5.6 Transmission oil cooler.
- 5.7 Synthetic lube in transmission.
- 5.8 Electronically operated clutch without clutch pedal.
- 5.9 Heavy duty drivelines with half-round type universal joints.

6.0 Front AXLE EQUIPMENT AND TIRES:

- 6.1 12,000LB capacity axle.
- 6.2 16-1/2" X 5" S-cam type brakes with automatic slack adjusters.
- 6.3 Outboard mounted brake drums.

- 6.4 Hydraulic power steering.
- 6.5 24.5 X 8.25 Aluminum 10-hole hub piloted wheels.
- 6.6 11R24.5 14 ply radial tires with highway type tread design.

7.0 REAR AXLE EQUIPMENT AND TIRES:

- 7.1 Tandem rear axles with 40,000LB capacity.
- 7.2 Driver controlled power divider lockout with warning light.
- 7.3 Driver controlled inter wheel differential lock for forward-rear and rear-rear axles with warning light.
- 7.4 Gear ratio to allow truck to run approx 65 MPH at engine manufacturer's recommended RPM.
- 7.5 16-1/2" X 7" S-cam type brakes with automatic slack adjusters.
- 7.6 Outboard mounted brake drums.
- 7.7 24.5 X 8.25 Aluminum IO-hole hub piloted wheels, inner & outer.
- 7.8 11R24.5 14 ply tires with traction type tread design.

8.0 AIR BRAKE SYSTEM:

- 8.1 Minimum 18.7 CFM air compressor.
- 8.2 Anti-lock brake system.
- 8.3 Double diaphragm, type 30 spring brake chambers.
- 8.4 Dual air brake system that complies with all federal regulations.
- 8.5 Trailer connection package with air lines and electrical cord mounted to a hose tender behind the cab.
- 8.6 Desiccant type air dryer with 12 volt heater.
- 8.7 Manual drain valves on all air tanks.

9.0 ELECTRICAL EQUIPMENT:

- 9.1 12-Volt negative ground system.
- 9.2 Three 12-Volt batteries with a minimum of 650 CCA per battery.
- 9.3 12-Volt 135 Amp. Brushless alternator.
- 9.4 12-Volt starter motor.
- 9.5 Steel battery box with battery box cover.
- 9.6 Electrical circuit protected by circuit breakers.
- 9.7 All exterior lighting LED lights, including headlamps.

10.0 SAFETY EQUIPMENT:

- 10.1 Fire extinguisher mounted in cab.
- 10.2 Triangular reflector kit.
- 10.3 Perform Texas state inspection.

11.0 ADDITIONAL EQUIPMENT:

- 11.1** Poly ½ fenders over forward-rear axle.
- 11.2** Install two dash switches wired to a 4-way trailer plug to operate the gates on the belly dump trailer air ride suspension dump valve.



Rush Pblt Trk Ctr,Ft Wth (D553)
1480 Ne. Loop 820
Ft. Worth, Texas 76106

County of Jack
100 N. Main Street Room 202
Jacksboro, Texas 76458
United States of America

Kyle Smith
Cell Phone: 940-368-1182
Office Phone: 817-740-4942
Email: smithk9@rushenterprise.com

Gary Oliver

Vehicle Summary

| Unit | | Chassis | |
|-------------------------|----------------------------------|----------------------------|-------|
| Model: | Model 389 | Fr Axle Load (lbs): | 12000 |
| Type: | Tractor | Rr Axle Load (lbs): | 40000 |
| Description 1: | Jack County 389 | G.C.W. (lbs): | 80000 |
| Description 2: | | | |
| Application | | Road Conditions: | |
| Intended Serv.: | Construction Dump-On/Off Highway | Class A (Highway) | 90 |
| Commodity: | Other Commodity | Class B (Hwy/Mtn) | 10 |
| | | Class C (Off-Hwy) | 0 |
| Body | | Class D (Off-Road) | 0 |
| Type: | | Maximum Grade: | 6 |
| Length (ft): | 0 | Wheelbase (in): | 225 |
| Height (ft): | 0 | Overhang (in): | 57 |
| Max Laden Weight (lbs): | 0 | Fr Axle to BOC (in): | 92.8 |
| | | Cab to Axle (in): | 132.2 |
| Trailer | | Cab to EOF (in): | 189.2 |
| No. of Trailer Axles: | 2 | Overall Comb. Length (in): | 858 |
| Type: | Bottom Dump | | |
| Length (ft): | 53 | Special Req. | |
| Height (ft): | 12 | | |
| Kingpin Inset (in): | 36 | | |
| Corner Radius (in): | 2 | | |
| Restrictions | | | |
| Length (ft): | 65 | | |
| Width (in): | 102 | | |
| Height (ft): | 13.5 | | |

Approved by: _____ Date: _____

Note: All sales are F.O.B. designated plant of manufacture.



| Sales Code | Std/ Opt | Description | Weight |
|------------------------------|----------|---|--------|
| Base Model | | | |
| 0003891 | S | Model 389 The Model 389 embodies the Peterbilt heritage and merges it with a proven design to create a legendary classic for vocational applications. The lightweight, all-aluminum cab with lap seam construction, aircraft grade fasteners and bulkhead style doors is legendary for its durability. The pod-mounted headlamps are durable, corrosion-resistant and cost-effective to replace. Peterbilt's all-aluminum cab is not only extremely durable, it's also lightweight to allow for increased payloads to maximize performance and profitability. | 14,915 |
| 0091200 | O | Other Commodity | 0 |
| 0093060 | O | Construction Dump-On/Off Highway Truck or tractor without liftable trailing axle which carries bulk materials (excavated earth, sand/gravel, asphalt, demolition debris, etc.) and unloads by dumping out the back, over the side of the body, or out the bottom of the trailer. | 0 |
| 0096100 | O | Bottom Dump A funnel-shaped dump trailer with removable floor for unloading. | 0 |
| 0098170 | S | United States Registry Canadian Registry Package Requires Air Conditioning Excise Tax Canada, Speedometer to be KPH ipo MPH, Daytime Running Lights and Rubber Battery Pad in Bottom of Battery Box. | 0 |
| Configuration | | | |
| 0200700 | O | Not Applicable Secondary Manufacturer | 0 |
| Frame & Equipment | | | |
| 0514000 | O | 10-3/4" Steel Rails To 354" 10.75x3.5x.375 Dimension, 2,136,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair | 274 |
| 0611250 | O | Heavy-Duty Iron Front Spring Brackets Forward and Rear | 35 |
| 0611790 | O | Aluminum Frame Rail Crossmembers Excludes suspension | -60 |
| 0644000 | S | EOF Tractor Tapered with Crossmember Includes Kingpin Cutout | 0 |
| 0651220 | O | Furnish Mudflap Hangers Only, Omit Flaps (Mudflap/Hanger option is required) | -8 |
| 0651820 | O | Peterbilt Rear Mudflaps, Stainless Steel Hangers Peterbilt Rear Mudflaps, Spring loaded (requires two additional inches of overhang for tractors), Stainless Steel Hangers. Mudflaps aid in protecting the frame and undercarriage from road salt, grime and debris that can cause rust and corrosion. Mud flaps also shield other vehicles from gravel, rocks and road spray. | 29 |
| 0674010 | O | Quarter Fender Brackets Only | 5 |

Price Level: January 1, 2020
Deal: Jack County 389
Printed On: 1/24/2020 1:11:55 PM

Date: January 24, 2020
Quote Number: QUO-528273-H0L3V3



| Sales Code | Std/ Opt | Description | Weight |
|-----------------------------------|-----------------|---|---------------|
| 0835860 | O | Holland FW35 Fifth Wheel Top Plate One of the top selling topplates on the market. The FW35 is designed for years of guaranteed performance and is the world's most versatile and proven fifth wheel. | 240 |
| 0870020 | | Rear Or Fixd Setting Bhd C/L Bogie 002. | 0 |
| 0890090 | O | LH Fifth Wheel Release | 0 |
| 0890560 | O | 8.6in - 9.25in Fifth Wheel Height | 0 |
| 0890641 | O | Holland Lightweight Air Slide Not available with suspensions > 40k. | 0 |
| 0891240 | O | 24" Air Slide | 216 |
| 0960000 | O | Frame Mounted Deckplate And Access Pkg, LH Side | 41 |
| Front Axle & Equipment | | | |
| 1012140 | S | Meritor MFS+12E 12,500 lb, 3.5 in. Drop Axle is designed for applications with a gross axle weight rating (GAWR) of 13,000 pounds. Axles include special low-friction bushings, double draw keys and integral thrust bearing and seal design for durability, low maintenance and ease of service. | 0 |
| 1111190 | S | Taper Leaf Springs, Shocks 12,000 lb Hendrickson taper leaf springs, shocks for 12,000 lbs. | 0 |
| 1243000 | S | Power Steering Sheppard M100 For use with 10,000 to 13,200 lb. axle ratings. Glidekote splines on steering shaft extend service life of components. | 0 |
| 1250180 | S | Power Steering Reservoir Frame Mounted The power steering reservoir is a steering system that eases drivability by applying hydraulic pressure to the steering gear. | 0 |
| 1354840 | O | PHP10 Iron PreSet PLUS Hubs PHP10 iron PreSet PLUS hubs have a fully integrated spindle nut design, an optimized wheel spacer, magnetic fill plug on drive and trailer hubs for inspection of metal particles in lubricant, with a long life oil seal and bearings are pre-adjusted. Use with Front Axle. | -113 |
| 1380470 | O | Meritor Wide Track IPO Standard, Front Axle Meritor wide track front axle offers greater turning radius and ease of service. MFS+ 3.5" Drop / MFS 3.74" Drop. 71in KPI IPO 69in with MFS and MFS+ axles. | 0 |
| 1390630 | | 80mm Front Spring Spacer Blocks | 0 |
| 1391390 | O | Long Stroke Brakes, Front Axle Long Stroke Brakes have 3" long-stroke chambers can provide improved braking efficiency and increased reserve stroke. | 0 |
| 1391410 | O | Gusseted Cam Brackets, Steer Axle | 0 |
| 1391420 | O | Meritor Q+ Air Cam Front Drum Brakes 16.5 x 5 Meritor Q+ Air cam front drum brakes for truck / trailer line haul and vocational applications. The Q+ offers longer lining life and helps fleets | 0 |

Price Level: January 1, 2020

Deal: Jack County 389

Printed On: 1/24/2020 1:11:55 PM

Date: January 24, 2020

Quote Number: QUO-528273-H0L3V3



| Sales Code | Std/ Opt | Description | Weight |
|----------------------------------|----------|--|--------|
| | | meet reduced stopping distance regulations. For use with 10,000-13,200 lbs. steer axles, up to and including 40,000 lbs. drive axles and up to 20,000 lbs. lift axles. Requires Meritor Q+ Air Cam Rear Drum Brakes. | |
| Rear Axle & Equipment | | | |
| 1526150 | O | Meritor MT40-14X 40,000 lb Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life. | 174 |
| 1616300 | O | PHP10 Iron PreSet PLUS Hubs | 0 |
| 1632650 | S | Long Stroke Parking Brakes, Drive Axle(s) | 0 |
| 1673090 | O | Separate Dash Controls, Cont Trac Full Lock Dana Spicer or Meritor - Tandem or Tri-Drive Axles (Air Rocker Switch occupies the space of two gauges for tandem axle and three gauges for tri-drive axle) | 2 |
| 1680390 | S | Bendix ESP Electronic Stability Program With ATC Tractor service only. The Bendix ESP system is designed to continuously monitor a variety of vehicle parameters and sensors to determine if the vehicle is reaching a critical stability threshold. If such a situation develops, the system will quickly and automatically intervene to assist the driver by selectively applying tractor and trailer brakes, and de-throttling the engine. | 0 |
| 1680450 | O | Rear Brake Camshaft Reinforcement Rear brake camshaft reinforcement helps guard against wear and corrosion. | 9 |
| 1680460 | O | Heavy Wall, Drive Axle(s) | 88 |
| 1680490 | O | Gusseted Cam Brackets, Drive Axle(s) | 2 |
| 1680750 | O | Meritor Q+ Air Cam Rear Drum Brakes 16.5x7 | 0 |
| 1682710 | S | Anti-Lock Braking System (ABS) 6S6M ABS-6. Includes air braking system. | 0 |
| 1684200 | S | Synthetic Axle Lubricant All Axles Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life. | 0 |

Price Level: January 1, 2020

Deal: Jack County 389

Printed On: 1/24/2020 1:11:55 PM

Date: January 24, 2020

Quote Number: QUO-528273-H0L3V3



| Sales Code | Std/Opt | Description | Weight |
|------------|---------|---|--------|
| 1687090 | O | Diff Lock Tandem Axles With Speed Interlock. Automatically Disengages Wheel Diff Lock at Speeds Above 25 mph. | 60 |
| 1703550 | O | Ratio 3.55 Rear Axle | 0 |
| 1821800 | O | Peterbilt Air Trac 40,000 lbs, 52in Axle Spacing Light Weight | 170 |
| 1920020 | O | (2) Dash Mounted Dump Valves w/ Indicator Light For Air Suspension - (1) for Trailer and (1) for Tractor (occupies the space of two gauges) | 4 |

Engine & Equipment

| | | | |
|---------|---|---|-----|
| 2059986 | O | X15 485V 485@1950 GOV@2000 1850@1150 Performance Series, Vocational Vehicle (2017 Emissions) Includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life. N21350 C121 64....Maximum Accelerator Vehicle N21370 C128 64....Maximum Cruise Control Speed N21460 C132 1400..PTO Maximum Engine Speed N21520 C133 5.....Idle Shutdown Timer N21610 C188 40....Idle Shutdown Cold Ambient A N21630 C190 80....Idle Shutdown Hot Ambient Ai N21510 C225 YES...Idle Shutdown with Parking B N21450 C231 NO....Gear Down Protection N21570 C233 NO....Idle Shutdown Manual Overrid N21440 C234 NO....Engine Protection Shutdown N21480 C238 NO....Cruise Control and Engine Br N21470 C239 NO....Cruise Control Auto-Resume N21590 C382 YES...Idle Shutdown Hot Ambient Au N21530 C396 YES...Idle Shutdown Warning Period N21540 C397 60....Idle Shutdown Warning Period N21320 C399 120...Green House Gas Vehicle Spee N21620 C189 60....Idle Shutdown Intermediate A N21550 C206 100...Idle Shutdown Percent Engine N21340 C209 120...Maximum Vehicle Speed N21430 C333 0.....Driver Initiated OverrideMax N21410 C334 0.....Driver Initiated Override Ma N21500 C395 0.....Green House Gas Automatic En N21400 C400 252...Driver Initiated Override Re N21420 C401 10....Green House Gas Vehicle Spee N21330 C402 0.....Green House Gas Vehicle Spee | 340 |
| 2091305 | S | Engine Idle Shutdown Timer Enabled | 0 |
| 2091315 | O | Enable EIST Ambient Temp Overrule | 0 |
| 2091372 | | Eff EIST NA Expiration Miles | 0 |

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| Sales Code | Std/ Opt | Description | Weight |
|-------------------|-----------------|--|---------------|
| 2091638 | | Effective VSL Setting 65.0 MPH or Greater (USA) | 0 |
| 2092014 | O | Typical Operating Speed 65 MPH | 0 |
| 2092033 | O | Powertrain Optimized for Balance Best analysis for vehicles where service includes frequent start and stop cycles. | 0 |
| 2092039 | O | Does not meet Cummins Gearing Recommendations | 0 |
| 2140200 | S | CARB Engine Idling Compliance PACCAR PX-7, PX-9 and MX, Cummins X15 and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard. | 0 |
| 2511400 | O | 160 Amp Alternator, 36 SI Brushless The 33SI is a heavy duty brushless alternator that provides more output and service life for today's diesel powered vehicles with large electrical load requirements. The 33SI is offered in 12 volt and 24 volt models with a J180 hinge mount. | 10 |
| 2516070 | O | Remote Voltage Sense Wiring | 0 |
| 2521090 | S | Immersion Type Block Heater 110-120V Standard location for 2.1M and 1.9M models is left-hand under cab, Model 520 is in bumper, and for Model 220 it is at the driver step. Plug includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running. | 0 |
| 2522110 | O | PACCAR 12V Starter, N/A PACCAR MX Engines PACCAR 12-volt electrical system. With centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded. | 0 |
| 2538040 | S | 3 PACCAR Premium 12V Dual Purpose Batt 2190 CCA Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance. | 0 |
| 2539650 | O | LVD For Day Cab (Low Voltage Disconnect) Designed to preserve battery life to maintain adequate starting voltage. Equipped with both audible and visual alarms which are activated prior to disconnecting the battery load. | 4 |
| 2621000 | O | 2-Speed Fan Clutch For Frequent Start/Stops A 2-speed fan clutch is ideal for vocational applications where the fan clutch engagement time exceeds 10% of the engine run time. When the fan clutch is disengaged, the fan still rotates at 15-25% of the engine RPM. This fan rotation provides crucial airflow to the engine and draws virtually no horsepower. | 0 |
| 2723220 | O | Naturally Aspirated 18.7 CFM Air Compressor X15 Only | 0 |
| 2812170 | O | Intebrake (Furnished on Engine) Features a dedicated cam lobe design for optimum power and three-stage engine brake operation. | 0 |
| 2921110 | S | PACCAR Fuel/Water Separator Standard Service | 0 |

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| Sales Code | Std/ Opt | Description | Weight |
|-------------------------------------|-----------------|--|---------------|
| | | PACCAR Fuel/Water separator standard service intervals. High efficiency media protects critical engine components. | |
| 2921210 | O | No Fluid Heat Option for Fuel Filter | 0 |
| 2921310 | S | No Electric Heat Option for Fuel Filter | 0 |
| 3010400 | O | Engine Protection Shutdown Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature. | 0 |
| 3114270 | S | High Efficiency Cooling System Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 520: 1242 sq in. | 0 |
| 3212010 | O | (2) 13" SS Air Cleaners, Cowl Mtd, SS Caps | 46 |
| 3365270 | S | Exhaust Single RH Side of Cab DPF/SCR right-hand Under Cab (2017). | 0 |
| 3381770 | O | Curved Tip Standpipe(s) | 1 |
| 3381820 | O | Chrome Finish Over Elbows for Single Exhaust Requires stainless steel muffler guard/fairing (3381830), and Aftertreatment right-hand under cab. | 7 |
| 3387890 | O | 36" Ht, 5" Dia Chrome, Clear Coat Standpipe(s) | 4 |
| Transmission & Equipment | | | |
| 4024130 | O | Eaton FO18E313A-MHP 13-Speed Ultrashift Plus Multi-Purpose High Performance. Includes oil-to-water cooler. Features two-pedal operation for driver convenience. A Hill Start Aid (HSA) feature is included to prevent roll back or roll forward while launching on grades by employing the trucks foundation brakes. Synthetic lubricant to reduce friction, improve efficiency, and extend component life. Magnetic transmission oil drain plug captures and holds any metal fragments in transmission oil to extend service life. Torque limiting clutch brake. Forward ratios: 1st-12.29, 2nd-8.51, 11th-1.00, 12th-0.86, 13th-0.73. Reverse ratios: R1-15.06, R2-12.85, R3-4.03. | 145 |
| 4210190 | O | 1810 HD Driveline, 1 Midship Bearing 4.5in x .180 wall tubing | 90 |
| 4216590 | O | 1710 Driveline Interaxle For tandem rear axles | 0 |
| 4233030 | O | (1) Dash Mounted Single Acting Air PTO Control | 0 |

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| | | Standard with PTO engaged indicator light on Class 8 units. Occupies the space of one gauge. Specing PTO switch does not ensure the PTO will fit. | |
| 4256920 | O | Dash Mounted Push Button Shifter Available with Allison transmissions | 0 |
| Air & Trailer Equipment | | | |
| 4510330 | O | Bendix AD-1S EP Air Dryer, Heater Bendix Air Treatment Oil Coalescing filter, extended purge. Collects and removes solid, liquid and vapor contaminants before they enter the air brake system. | 6 |
| 4520420 | O | Pull Cords All Air Tanks | 1 |
| 4540420 | S | Nylon Chassis Hose | 0 |
| 4543320 | S | Steel Painted Air Tanks All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed. | 0 |
| 4612800 | S | Trailer Hand Valve, Column Mounted Controls | 0 |
| 4614810 | S | AE Connections BOC/BOS, Hose Tenna | 0 |
| 4614850 | O | 12' AE Lines Straight, (2) 7-Way Plugs | 8 |
| 4614870 | O | AE Connections 41-54" BOC/BOS | 0 |
| Tires & Wheels | | | |
| 5006710 | O | FF: YO 14Ply 11R24.5 101ZL Diameter = 41.3 inches; SLR = 19.3 inches | 30 |
| 5106750 | O | RR: YO 14Ply 11R24.5 703ZL Diameter = 44.3 inches; SLR = 20.7 inches | 224 |
| 5190008 | S | Code-rear Tire Qty 08 | 0 |
| 5220540 | O | FF: Alcoa 98U637 24.5X8.25 Clean Buff Finish Aluminum, Ultra ONE wheels with MagnaForce alloy. | -30 |
| 5320440 | O | RR: Alcoa 985657 24.5X8.25 Clean Buff Aluminum, severe service. | -40 |
| 5390008 | S | Code-rear Rim Qty 08 | 0 |
| Fuel Tanks | | | |
| 5536130 | O | 23" Aluminum 80 Gallon Fuel Tank LH BOC Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during | 5 |

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| | | low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks. | |
| 5604080 | O | Location LH BOC 80 Gallon | 0 |
| 5650490 | O | Fuel Cooler Required with single fuel tank | 15 |
| 5652890 | S | DEF Tank Mounted LH BOC Models 220 and 520 mounted left-hand cab fender | 0 |
| 5652990 | S | Standard DEF to Fuel Ratio 2:1 Or Greater | 0 |
| 5655019 | S | DEF Tank Small | 0 |
| 5760010 | O | RH Tank None Furnished | -86 |
| Battery Box & Bumper | | | |
| 6010030 | S | Aluminum Battery Box LH Under Cab, Non-Slip Step Includes diamond pattern block shaped cover in traditional/vocational models and a smooth finish tapered cover on aerodynamic models | 0 |
| 6040550 | S | Aftertreatment Aluminum Non-Slip Cab Entry Aftertreatment right-hand under cab step. DPF/SCR for diesel engines, catalyst for natural gas engines. On Models 579 specifying chassis fairings, the box is aerodynamic. | 0 |
| 6121090 | S | Steel Bumper Deep Tapered Chromed Two tow points | 0 |
| Cab & Equipment | | | |
| 6510140 | S | Alum Cab 123in BBC Alum Hood SFFA fenders w/polished crown, spring tilt assist. Proprietary anti-blow-down locking mechanism that keeps hood open during servicing & prevents unintentional closing. Hood latch each side secures hood to cowl. Proprietary all-alum cab is light weight & durable for long service life. One-piece roof reduces potential for leaks. Two-piece windshield for cost effective windshield replacement. Lap seam construction & aircraft fasteners has greater clamp load than rivets. Bulkhead style doors provide virtually water-tight, rattle-free performance. Extruded alum door frames for strength & durability. Full length, heavy-duty piano-type stainless steel door hinges & pins provide durability. View window in RH door for safety. Electric windshield wipers & washers w/intermittent wiper function. Grab handles mtd on cab LH & RH for cab access. Convex mirror over RH door & below each rear view mirror for improved visibility & safety. | 0 |
| 6540660 | O | SmartSound Cab Insulation Package Cab acoustic insulation package for day cabs. Includes insulated inside firewall, top side floor damping, absorber treated kick panels, and insulated backwall and roof structure. | 65 |
| 6700000 | S | No Sleeper Selected | 0 |
| 6911700 | S | Peterbilt UltraRide Driver Seat | 0 |

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| Sales Code | Std/ Opt | Description | Weight |
|-------------------|-----------------|---|---------------|
| 6921700 | S | Peterbilt UltraRide Passenger Seat | 0 |
| 6930580 | O | Drivers Armrests - LH & RH | 4 |
| 6930590 | O | Passenger Armrest - LH only Required with Evolution LX seats, optional with Evolution ST Seats. | 2 |
| 6930800 | O | Black Seat Color IPO Standard Color | 0 |
| 6939400 | S | Air Ride Driver | 0 |
| 6939420 | S | High Back Driver | 0 |
| 6939470 | S | Vinyl Driver | 0 |
| 6939510 | S | Non-Air Ride Passenger | 0 |
| 6939520 | S | High Back Passenger | 0 |
| 6939570 | S | Vinyl Passenger | 0 |
| 7000350 | S | Power Door Locks Both Doors | 0 |
| 7001520 | O | Adjustable Steering Column - Tilt/Telescope | 11 |
| 7001620 | S | Steering Wheel With Peterbilt Logo Steering Wheel with embossed Peterbilt logo over horn button. | 0 |
| 7039050 | S | ProBilt Interior - Arctic Gray Includes rugged charcoal instrument panels, gray dash with glare-resistant, charcoal soft-touch upper, dark gray hard trim, black bezels on gauges, cigar lighter and ashtray with power port, monochromatic dark gray durable doorpads with map pocket on driver's side, dark gray molded back wall, 18 inch 4-spoke soft-touch steering wheel, soft-touch steering column cover, power lift passenger window, extruded rubber floor covering, header-mounted domelight, driver and passenger dome/reading lights, footwell lighting, integrated "dead pedal", (5) inside entry grab handles, (2) inside sunvisors, (2) coat hooks, cup holder and map bin in dash. | 0 |
| 7210420 | O | Dark Window Tint IPO Standard Tint - Day Cab | 0 |
| 7210540 | S | Day Cab Rear Window Day cab rear window flush to back of cab. | 0 |
| 7230350 | O | 2-Piece Flat Windshield | 0 |
| 7230680 | S | Power Lift Windows - Both Doors For use with ProBilt or Prestige Interior | 0 |
| 7322010 | S | Combo Fresh Air Heater/Air Conditioner | 0 |

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| Sales Code | Std/ Opt | Description | Weight |
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| | | With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses. | |
| 7330700 | S | Peterbilt Comfort Control - Cab | 0 |
| 7410040 | O | Outside Sunvisor - Stainless Steel Not available with 2.1M high roof sleeper. | 4 |
| 7560100 | O | Mirrors SSTL Each Side Heated and Motorized with Switch on Door. | 2 |
| 7560850 | S | (2) Convex 8 Inch SSTL Mirrors Center mounted under mirror bracket. If rear view mirrors are heated, the convex mirrors will be heated. Option includes dual door stops. | 0 |
| 7565030 | O | Brackets 109in Wide Rear View Mirror These mirrors to measure 114in center to center. | 0 |
| 7610470 | S | (1) Air Horn 24.5" Chrome - Round w/Horn Shield | 0 |
| 7725710 | O | Standard Speaker Package For Cab (2) Speakers | 4 |
| 7725715 | O | ConcertClass Without CD, Includes BT Phone and Audio, AM/FM, WB, USB and MP3. | 10 |
| 7740100 | O | Cobra 40 Channel CB Radio w/Integral Speaker Includes illuminated front panel | 11 |
| 7748680 | O | CB Antenna Mounting RH/LH Mirror Not available with Rami | 2 |
| 7749110 | O | Mount CB Speaker LH Rear Corner Cab Headliner | 2 |
| 7782230 | O | Radio Antenna Mounted Logger Style Antenna Mounted LH on BOC In Place of Center Roof position on Conventional Models. Models 579 and 567 Antenna Mounted LH Roof In Place Of Center Roof position. | 2 |
| 7788055 | S | SmartLINQ Remote Diagnostics SmartLINQ is Peterbilt's proprietary remote diagnostics service which monitors the engine and aftertreatment for diagnostic codes providing real-time code analysis maximizing vehicle uptime and strengthening the fleets partnership with their dealer. SmartLINQ provides fault coverage for over 800 codes, a customizable email notification for 116 codes plus a web portal to manage your entire fleet included at no additional charge. SmartLINQ is compatible with any telematics system and doesn't require a specific fleet management system. For those whose customers utilize PeopleNet, the pre-wire with remote diagnostics will provide a more integrated solution utilizing the existing SmartLINQ modem. For those whose customers utilize other fleet services products, the existing pre-wire option for the other fleet service devices will continue to be available. SmartLINQ is standard with MX-13 engines and available on Models 579, 567, 389, 367 and 365. | 0 |
| 7850210 | O | Plug-In Auto Reset Circuit Breaker in place of fuses in junction box. | 0 |
| 7851040 | O | Removable Bugscreen Behind Grille | 2 |

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| 7851480 | S | Peterbilt Electric Windshield Wipers With Intermittent Feature. | 0 |
| 7851970 | O | Unibilt Cab Air Suspension Includes dual air bag suspension, leveling valve, and tracking rod. | 25 |
| 7900090 | O | Triangle Reflector Kit, Ship Loose Florescent triangle emergency road flares are designed to meet and exceed all DOT standards. | 13 |
| 7900270 | O | Fire Extinguisher, Cab Mounted Hazmat approved UL listed/rated ABC | 8 |
| 8011100 | O | Main Transmission Temperature Gauge | 0 |
| 8011390 | O | Engine Oil Temperature Gauge | 0 |
| 8032420 | O | Buzzer On Air Suspension Dump Valve Requires dash mounted dump valve (1922260) | 0 |
| 8070260 | O | Switch To Deactivate Bendix ATC Traction Control Bendix ATC is required on the specification. Switch is to temporarily disable the Traction Control in extreme conditions such as snow, ice or mud. The ATC warning light will display in a constant state. | 0 |
| 8071870 | S | Main Instrumentation Panel, Graphics Display Includes speedometer with trip odometer, tachometer with hourmeter and outside air temperature display, voltmeter, engine oil pressure, engine coolant temperature, fuel level, primary and secondary air pressure gauges. Includes standard warning light package: high water temperature, low oil pressure, and low air pressure warning lights with audible alarms, high beam, turn signal, low fuel, parking brake, and ice warning indicators; seat belt reminder; rocker switches with long-life LED indicators; multi-function turn stalk with flash-to-pass feature (night mode flashes headlights and marker lights; day mode flashes headlights only), intermittent windshield wiper and headlamp beam control. Hydraulic braked trucks do not include air pressure gauges. | 0 |
| 8072890 | O | (1) Electric Dump Switch Wired To Berg BOC/BOS (1) electric dump switch wired to berg, back-of-cab / back-of-sleeper for truck tailgate. | 5 |
| 8111140 | S | Headlights Projector Module Pod Integral Turn Signals | 0 |
| 8120980 | S | (5) Marker Lights, Aero LED | 0 |
| 8140060 | O | LED Oval Stop/Turn/Tail/Backup In tractor taper end of frame crossmember | -7 |
| Paint | | | |
| 8500710 | O | Standard Paint Color Selection | 0 |
| 8530770 | S | (1) Color Axalta Two Stage - Cab/Hood Base Coat/Clear Coat N85020 A - L0006EY WHITE N85500 CAB ROOF L0006EY WHITE N85300 FENDER L0006EY WHITE N85200 FRAME L0001EA BLACK | 0 |

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| Sales Code | Std/ Opt | Description | Weight |
|------------|----------|----------------------------------|--------|
| | | N85400 HOOD TOP L0006EY WHITE | |
| | | N85720 SK FAIRINGS L0006EY WHITE | |

Shipping Destination

| | | | |
|---------|---|------------------------------------|---|
| 8999989 | O | Shipping Destination To Dealership | 0 |
|---------|---|------------------------------------|---|

Options Not Subject To Discount

| | | | |
|---------|---|--|---|
| 9400090 | S | Peterbilt Class 8 Standard Coverage 1 year/100,000 Miles (160,000 km) | 0 |
|---------|---|--|---|

Miscellaneous

| | | | |
|---------|---|---------------------------------|---|
| 9409000 | S | Day Cab / ProBilt Interior (DB) | 0 |
|---------|---|---------------------------------|---|

| | | | |
|---------|---|--|---|
| 9409800 | S | 2017 EPA Emissions Engine Warranty Only | 0 |
|---------|---|--|---|

| | | | |
|---------|---|-------------------------------------|---|
| 9409869 | O | Presentation Created With SmartSpec | 0 |
|---------|---|-------------------------------------|---|

Promotions

Order Comments

Total Weight 17,141

Prices and Specifications Subject to Change Without Notice.

| |
|---|
| Unpublished options may require review/approval. |
| Dimensional and performance data for unpublished options may vary from that displayed in CRM. |

PRICING DISCLAIMER

While we make every effort to maintain the web site to preserve pricing accuracy, prices are subject to change without notice. Although the information in this price list is presented in good faith and believed to be correct at the time of printing, we make no representations or warranties as to the completeness or accuracy of this information. We reserve the right to change, delete or otherwise modify the pricing information which is represented herein without any prior notice. We carefully check pricing specifications, but occasionally errors can occur, therefore we reserve the right to change such prices without notice. We disclaim all liability for any errors or omissions in the materials. In no event will we be responsible for any damages of any nature whatsoever from the reliance upon information from these materials. Please check your order prebills to confirm your pricing information

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Desired Requirements and Minimum Features

The following below did not meet or are a different material/type than what is listed on the minimum specifications for one of more new tractor(s):

2.1 Conventional type cab with fiberglass tilting front hood.

Exception: All aluminum cab and hood that tilts 90 degrees. Aluminum is corrosion resistant.

2.2 Galvanized steel cab shell with welded seams.

Exception: All aluminum cab with lap seam construction and aircraft fasteners that has greater clamp load than rivets.

2.21 Control switches in steering wheel for operation of cruise control, radio and phone.

Exception: Peterbilt does not offer controls in the steering wheel in the 389 model. All controls including cruise control, radio and Bluetooth phone capabilities are easy and safe to reach.

5.1 Automated Manual transmission with a minimum of 12 forward speeds and 2 reverse speeds with a low gear ratio of 11.5 or lower and an overdrive gear ratio of .78 or higher.

Exception: 13 speed Ultrashift Plus has a low gear of 12.29 ratio and has an overdrive gear of 0.73 ratio. All other requirements are met.

9.5 Steel battery box with battery box cover.

Exception: All aluminum battery box with aluminum box cover.

9.7 All exterior lighting LED lights, including headlamps.

Exception: Halogen projector module pod style headlights with integral turn signals. All other light requirements are met.

Rush Limited Warranty

NEW PRODUCTS – MANUFACTURER WARRANTIES ONLY. Any warranties on any new product(s) sold by Rush are limited only to any printed warranty provided by the applicable manufacturer of the product. EXCEPT FOR ANY SUCH WARRANTIES MADE BY MANUFACTURERS, THE PRODUCT(S) ARE SOLD WITHOUT ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EACH OF WHICH IS EXPRESSLY DISCLAIMED.

USED PRODUCTS – NO WARRANTIES. All used product(s) sold by Rush are sold on an “AS IS, WHERE IS” basis, without any warranties by Rush. EXCEPT FOR ANY MANUFACTURERS’ WARRANTIES THAT MAY STILL BE IN EFFECT, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED.

LIMITED WARRANTY ON SERVICES. Rush warrants that all services performed by Rush for a customer, including repair, maintenance and installation services (“Services”), will be performed in a good and workmanlike manner (“Services Warranty”). The Services Warranty is valid for a period of ninety (90) days from the date the Service is completed. Customer’s sole and exclusive remedy, and Rush’s entire liability, under the Services Warranty is the repair of any nonconforming portion of the Services. RUSH PROVIDES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, CONCERNING ITS SERVICES. The Services Warranty is strictly limited to Services performed by Rush for customer. Rush does not warrant any services provided by any third-party. Any warranties are solely those that are provided by the third-party service provider.

PETERBILT MOTORS COMPANY
Class 8 Standard Service (On-Highway) Warranty Schedule
UNITED STATES
VEHICLE ONLY

THIS VEHICLE WARRANTY SCHEDULE APPLIES ONLY TO ORIGINAL FACTORY EQUIPMENT AND IS SUBJECT TO THE TERMS AND LIMITATIONS IN THE ATTACHED LIMITED WARRANTY AGREEMENT. Pursuant to the terms of the attached Limited Warranty Agreement, Peterbilt Motors Company will pay warranty claims for Warrantable Failures within the following maximum limits in time or mileage, **whichever shall occur first**. The Warrantable Failure must be brought to the attention of an Authorized Dealer within 30 days of discovery.

| | MONTHS | MILES |
|---|----------------------------|---|
| Basic Vehicle This coverage applies to the basic highway Vehicle, except for additional coverage and warranty exclusions. | 12 | 100,000 |
| Major Components Eaton, Meritor & Dana Spicer front axle (beam, spindles, kingpin & kingpin bushings, steering arm, tie rod & tie rod arms). Eaton, Meritor & Dana Spicer rear axle, differential assembly, axle shafts & axle housing. Manual transmissions Eaton Auto Shift transmission Bendix and Meritor brakes, brackets, cam shafts, spiders and slack adjusters (excludes Air Disc Brakes). Structural components of the cab, hood, hood half fenders, and sleeper. Sheppard and TRW Steering gears | 36 | 300,000 |
| PACCAR Major Components Rear Axle 40K Line Haul Rear Axle 40K Regional Haul or Pickup & Delivery Front Axle - All Applications (Incl. Severe Service) Transmission - All Applications Clutch - All Applications | 60 24 60 60 36 | 750,000 Unlimited 750,000 750,000 350,000 |
| Frame, Gussets, Crossmembers and Cab Corrosion Frame rails, gussets, and crossmembers. Cab, hood, and sleeper perforation caused by corrosion from within. This warranty does not apply to corrosion caused by damage to a cab, hood, and sleeper panel or to finish paint. | 60 | 500,000 |
| Engine Overview (X15 EPA 2017) | 24 | 250,000 |
| SmartLINQ+ Components Modem, antenna, and related remote diagnostic equipment. Coverage subject to maximum limits in time or mileage identified in this warranty agreement or, where applicable, for such greater time and mileage limit identified in any Extended Basic Vehicle, Extended MX Comprehensive, or MX Aftertreatment warranties covering the vehicle. | 24 | Unlimited |
| PACCAR Batteries - Charge and Start System | 12 | 100,000 |
| Gaskets and Wheel Seals | 12 | 50,000 |
| Cab, Hood & Sleeper Paint | 12 | 100,000 |
| Frame Paint – Black only | 12 | 100,000 |
| Frame Paint – All colors other than black | 6 | 50,000 |
| Frame Paint – Logger, Mixer, Dump, Refuse, Oil Field & Construction applications | 3 | 25,000 |

Notice Regarding Security Interest and Payment of Purchase Price

1. BMO Harris Bank N.A. ("Bank") financed or will finance the acquisition of each vehicle that Rush Enterprises, Inc. and its subsidiaries ("Rush") will in turn sell to you on deferred payment terms ("Vehicle"). Bank's agreement with Rush requires that Bank's security interest in each Vehicle continue until Bank receives the full amount that Bank financed for such Vehicle. Based on that agreement, your purchase of a Vehicle will be subject to Bank's prior, unrelinquished security interest, which will continue until Bank receives the total amount that Bank financed for such Vehicle.
2. By written notice to you, Bank may require you to pay the purchase price for Vehicles directly to Bank. If you pay any portion of the purchase price for a Vehicle directly to Bank, Rush will credit such payment(s) against the amount you owe to Rush.

**FEDERAL EXCISE TAX
Exemption Certificate
for Use by States & Local Governments
Treas. Reg. 48.4221-5**

I hereby certify that I am _____ (title of officer) of the _____ (state or local government) ("Purchaser"), that I am authorized to execute this certificate on behalf of Purchaser, and that:

(check applicable type of certificate)

A. _____ the article/articles specified in the accompanying order or below:

Article/Articles (by VIN):

(if more room is needed, attach list of additional articles to this certificate)

OR

B. X all orders placed by Purchaser for the period commencing January 1, 2020 (date) and ending December 31, 2022 (date) (period not to exceed 12 calendar quarters)

are, or will be, purchased from Rush Truck Centers of Texas, LP ("**Dealer**") for the exclusive use of Purchaser.

Purchaser understands that this statement is made under penalties of perjury.

Purchaser understands that the exemption from tax in the case of sales of articles under this exemption certificate to a State, etc., is limited to the sale of articles purchased for its exclusive use. Purchaser understands that the fraudulent use of this certificate for the purpose of securing this exemption will subject Purchaser and all parties making such fraudulent use of this certificate to a fine of not more than \$10,000, or to imprisonment for not more than 5 years, or both, together with costs of prosecution.

PURCHASER

By: _____

Name: _____

Title: _____

RUSH FET FORM 1 – STATE/LOCAL GOVT EXEMPTION