

JOB #	<del>XT36</del> XT-36-160 (205240 SN # 06-252		
	customer: KEYSTONE GUN-KRETE		
VL	BOOM MAKE UP PIPE LENGTHS		
8878	ARM		LENGTH
		A	815/8"
		B	47 1/2"
		B-C	
		C	47"
		C-D	
		D	50"
		E	
	PIPE TYPE (Ultra III or Normal?)		ULTRA III
	TIP HOSE SIZE		3"
	SPECIAL ELBOWS		PART #
	Turret	A sect	8011020098
	A sect	B sect	
	B sect	C sect	80110427
	C sect	D sect	
	D sect	E sect	
	DECK MAKE UP PIPE LENGTHS		
	PIPE		LENGTH
		#1	14"
		#2	41"
		#3	78 1/2"
	SPECIAL ELBOWS		803027
	TURRET PIPE		35 1/4"
	DECK DELIVERY LINE COMPONENTS		PART #
	HOPPER ELBOW		10954-A
	ELBOW 6"		800336
	REDUCER		W-102041
	SPECIAL TURRET ELBOW		8000327
	RADIO REMOTE SERIAL NUMBER		SERIAL #
	RADIO REMOTE		9994493091
	CABLE REMOTE		9909379196
	TRUCK		SERIAL #
			IM2K189CX5M028207
	BOOM SIZE		SERIAL #
	<del>XT36</del> XT36-160 (205240		
	BOOM SIZE--- XT36		SERIAL #
	PEDESTAL		N 74-04
	A SECTION		B671101-7504
	B SECTION		B671201-7504
	C SECTION		B6713043-8112
	D SECTION		B671431-8111
	E SECTION		



2. DATE: 03/2005 3. VEHICLE IDENTIFICATION NUMBER: 1M2K189CX5M028207

4. GVWR: 29030 KG (64000 LB)

GAWR 0/29/06 TIRES RIMS XT-160 Keystone

- 5. FRONT: 9072 KG ( 20000 LB) WITH 425/65R22.5L , 22.5 X 12.25 , AT 827 KPA ( 120 PSI) COLD SINGLE
- 1ST INT.: 9979 KG ( 22000 LB) WITH 11R22.5 G , 22.5 X 8.25 , AT 724 KPA ( 105 PSI) COLD DUAL
- 2ND INT.: KG ( LB) WITH , , AT KPA ( PSI) COLD
- 3RD INT.: KG ( LB) WITH , , AT KPA ( PSI) COLD
- REARMOST: 9979 KG ( 22000 LB) WITH 11R22.5 G , 22.5 X 8.25 , AT 724 KPA ( 105 PSI) COLD DUAL

6. VEHICLE TYPE: TRUCK SEQ. NO.: H050329030 SN-06-252-X736

7. This incomplete vehicle was manufactured to conform to applicable

**UNITED STATES**

Motor Vehicle Safety Standards in effect on its date of manufacture shown above. Those Standards to which it complies in full are preceded in the MVSS list by an asterisk (\*).

**MVSS 121**

The height of the center of gravity of the incomplete vehicle, body, and payload, measured from ground level (vertical CG), shall not exceed 72 inches (183 cm); and the ratio of the vertical CG divided by the wheelbase of the incomplete vehicle shall not exceed .500 . The height of the top of the frame rail (measured at the center of the wheelbase) should be used as the CG height of the unloaded incomplete vehicle.

**MVSS 101:**

This incomplete vehicle, when completed, will conform to Standard 101-Controls and Displays, if no alterations are made to driver operated controls, their identification and means of illumination, or to the location of the driver's seat or sun visor.

**MVSS 102:**

This incomplete vehicle, when completed, will conform to Standard 102-Transmission Shift Lever Sequence, if no alterations are made to the transmission, shift control or accelerator control.

**MVSS 103:**

This incomplete vehicle, when completed, will conform to the applicable sections of Standard 103-Windshield Defrosting and Defogging Systems, if no alterations are made to the heating and/or defrosting / defogging system(s).

**MVSS 104:**

This incomplete vehicle, when completed, will conform to Standard 104-Windshield Wiping and Washing Systems, if no alterations are made to the windshield wiper components, washer components, or wiped glazed surface.

**MVSS 106:**

This incomplete vehicle, when completed, will conform to Standard 106-Brake Hoses, if no alterations are made to the brake hoses, brake hose end fittings, or brake hose assemblies supplied with the incomplete vehicle; or no brake hose assemblies are added to the basic brake system.

**MVSS 108:**

Conformity with Standard 108-Lamps, Reflective Devices, and Associated Equipment, is not determined by the incomplete vehicle, since the incomplete vehicle does not include devices normally supplied with the body. Lamps, reflective devices, and associated equipment installed on the incomplete vehicle are in conformance with applicable requirements of Standard 108. Final conformance may require relocation of some devices installed on the incomplete vehicle. Increasing the height of the incomplete vehicle may cause installed lamps and/or reflectors to exceed the height limitations of Standard 108.

**MVSS 111:**

This incomplete vehicle, when completed, will conform to Standard 111-Rearview Mirrors, if no alterations or additions are made to the mirror assemblies, their location or mounting structures.

**MVSS 113:**

This incomplete vehicle, when completed, will conform to Standard 113- Hood Latch System, if no alterations are made in the hood latching system or components.

**\*CANADA MVSS 115:**

This incomplete vehicle, when completed, will conform to Standard 115-Vehicle Identification Number, if no alterations are made to the vehicle identification number stamped into the frame right-hand side rail.

**\*MVSS 116:**

This incomplete vehicle, when completed, will conform to Standard 116- Motor Vehicle Brake Fluid, when the incomplete vehicle is equipped with hydraulic brake components by the incomplete vehicle manufacturer and brake fluid is neither changed nor added. If the incomplete vehicle is not originally equipped with hydraulic brake components, the incomplete vehicle manufacturer makes no representation as to conformity with the standard.

**NOTICE**

For recommendations concerning additions to or modifications of this incomplete vehicle, please consult the Mack Body Installer's Guide for Class 8 Chassis (Service Manual # 1-001), available through the Mack website or Mack Service & Parts Dealers.

Intermediate and final stage manufacturers are responsible for any additional equipment they add to the incomplete vehicle. The weight of and/or location of an added body, associated equipment and the body's intended payload must NOT cause any GAWR's and/or the final GVWR to be exceeded.

6/29/06

XT36-160

KEYSTONE

V# 8878

MFD. BY: REED LLC

DATE OF MFR: MO. 07 YR. 2006

INC. VEH. MFD. BY: MACK TRUCKS INC

DATE OF INC. VEH. MFR:

MO. 03 YR. 2005

GVWR: 29030 KG ( 64000 LB)

GAWR-FRONT: 9072 KG ( 20000 LB)

GAWR-REAR: 19958 KG ( 44000 LB)

CONFORMITY OF THE CHASSIS-CAB TO U.S.A. FEDERAL MOTOR VEHICLE SAFETY STANDARDS, WHICH HAVE BEEN PREVIOUSLY FULLY CERTIFIED BY THE INCOMPLETE VEHICLE MANUFACTURER OR BY THE INTERMEDIATE VEHICLE MANUFACTURER, HAS NOT BEEN AFFECTED BY THE FINAL-STAGE MANUFACTURE. THE VEHICLE HAS BEEN COMPLETED IN ACCORDANCE WITH PRIOR MANUFACTURER'S INSTRUCTIONS, WHERE APPLICABLE. THIS VEHICLE CONFORMS TO ALL OTHER APPLICABLE U.S.A. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT IN:

MO. 07 YR. 2006

VEHICLE IDENTIFICATION NUMBER: 1M2K189CX5M028207

VEHICLE TYPE: TRUCK

SUITABLE TIRE-RIM CHOICE

FRONT: 425/65R22.5 TIRES,  
22.5x12.25 RIMS, @ 827 KPA,  
( 120 PSI) COLD SINGLE

INTERMEDIATE (1): 11R22.5G TIRES,  
22.5x8.25 RIMS, @ 724 KPA,  
( 105 PSI) COLD DUAL

INTERMEDIATE (2): \_\_\_\_\_ TIRES,  
\_\_\_\_\_ RIMS, @ \_\_\_\_\_ KPA,  
( \_\_\_\_\_ PSI) COLD \_\_\_\_\_

REAR: 11R22.5G TIRES,  
22.5x8.25 RIMS, @ 724 KPA,  
( 105 PSI) COLD DUAL

MFD. BY: REED LLC

DATE OF MFR: MO. 07 YR. 2006

INC. VEH. MFD. BY: \_\_\_\_\_

MACK TRUCKS INC

DATE OF INC. VEH. MFR:

MO. 03 YR. 2005

GVWR:  
29,030 KG ( 64,000 LB)

GAWR-FRONT:  
9,072 KG ( 20,000 LB)

GAWR-REAR:  
19,958 KG ( 44,000 LB)

CONFORMITY OF THE CHASSIS-CAB TO U.S.A. FEDERAL MOTOR VEHICLE SAFETY STANDARDS, WHICH HAVE BEEN PREVIOUSLY FULLY CERTIFIED BY THE INCOMPLETE VEHICLE MANUFACTURER OR BY THE INTERMEDIATE VEHICLE MANUFACTURER, HAS NOT BEEN AFFECTED BY THE FINAL-STAGE MANUFACTURE. THE VEHICLE HAS BEEN COMPLETED IN ACCORDANCE WITH PRIOR MANUFACTURER'S INSTRUCTIONS, WHERE APPLICABLE. THIS VEHICLE CONFORMS TO ALL OTHER APPLICABLE U.S.A. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT IN:

MO. 07 YR. 2006

VEHICLE IDENTIFICATION NUMBER:  
1M2K189CX5M028207

VEHICLE TYPE:  
TRUCK

SUITABLE TIRE-RIM CHOICE

FRONT: 425/65R22.5L TIRES,  
22.5x12.25 RIMS, @ 827 KPA,  
( 120 PSI) COLD SINGLE

INTERMEDIATE (1):  
11R22.5G TIRES,  
22.5x8.25 RIMS, @ 724 KPA,  
( 105 PSI) COLD DUAL

INTERMEDIATE (2):  
\_\_\_\_\_ TIRES,  
\_\_\_\_\_ RIMS, @ \_\_\_\_\_ KPA,  
( \_\_\_\_\_ PSI) COLD \_\_\_\_\_

REAR: 11R22.5G TIRES,  
22.5x8.25 RIMS, @ 724 KPA,  
( 105 PSI) COLD DUAL

# REED

13822 OAKS AVENUE  
CHINO, CA 91710 USA

PHONE (909) 287-2100  
FAX (909) 287-2140

KEYSTONE VL 8878

MODEL XT36-160 SERIAL NO. 06-252-XT-36-160

MATERIAL  
PRESSURE

835

PSI

57

BAR

HYDRAULIC  
PRESSURE

4785

PSI

330

BAR

ENGINE / PTO  
ELECTRIC MOTOR

1650

RPM

24 VDC

VOLTS

P/N 86636

(VL-4878)



# STABILITY TEST RECORD

## TRUCK MOUNTED CONCRETE BOOM PUMP

INSPECTED BY DUANE REMUS

DATE 6-30-06

MACHINE MODEL XT 36-160 S/N \_\_\_\_\_  
 BOOM MODEL CBR- \_\_\_\_\_ S/N \_\_\_\_\_  
 CHASSIS \_\_\_\_\_ VIN \_\_\_\_\_

PEDESTAL: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_  
 REAR OUTRIGGER: \_\_\_\_\_ FRONT OUTRIGGER: \_\_\_\_\_

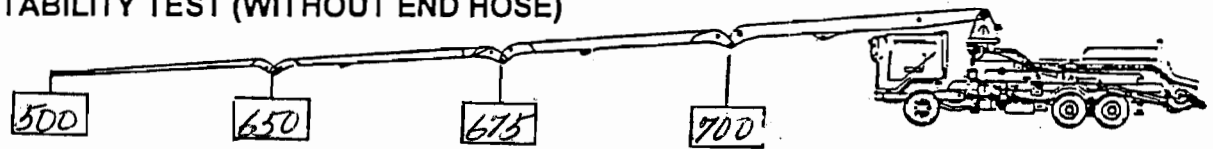
CUSTOMER: \_\_\_\_\_

DELIVER LINE SIZE: 5" mm x \_\_\_\_\_ mm END HOSE: 10 M

ADDITIONAL COUNTER WEIGHT: Ø KG

LOCATION: \_\_\_\_\_

### STABILITY TEST (WITHOUT END HOSE)

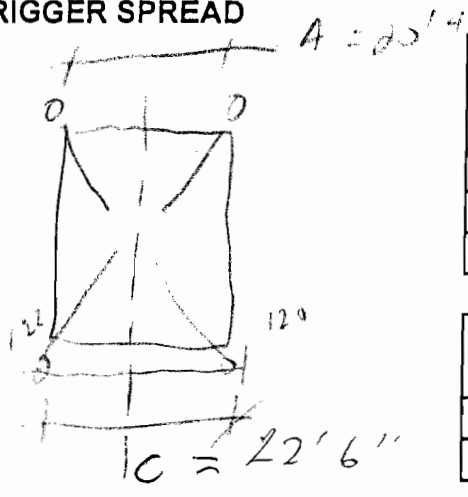


500 lbs   650 lbs   675 lbs   700 lbs  
 +            +100            +            +

THE TEST WEIGHTS IN THE BOXES ARE NOMINAL VALUES.

PLEASE ENTER THE ACTUAL TEST WEIGHTS USED INTO THE CORRESPONDING SPACES

### OUTRIGGER SPREAD



	NOMINAL DIMENSIONS	ACTUAL DIMENSIONS
"A"	20' 4"	20' 4"
"B"	23' 1"	
"C"	21' 8"	
"D"	23' 1"	

	OUTRIGGER PENETRATION "E"	
	FRONT	REAR
RIGHT	Ø	Ø
LEFT	Ø	Ø

### TEST RESULTS

STABILITY APPROVED:

STABILITY DISAPPROVED:

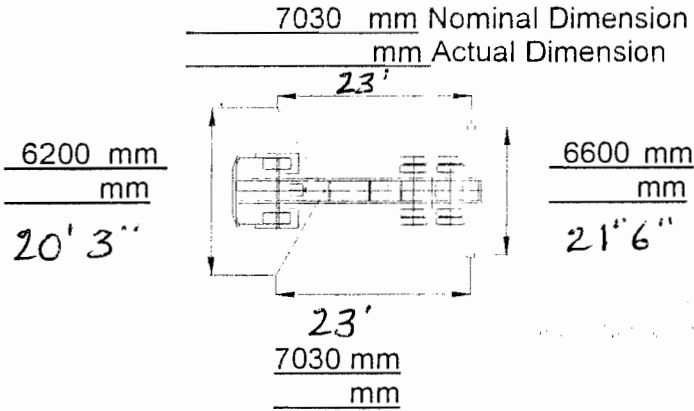
DATE: 6-30-06

NAME: \_\_\_\_\_

SIGNATURE: Duane Remus

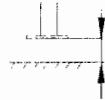
## STABILITY TEST RECORD OUTRIGGER 36 XT

OUTRIGGER DIMENSION:



STABILITY WITH 125% WEIGHT:

CHECKED:



<b>Outrigger</b>		
FRONT	REAR	
mm	mm	RIGHT
mm	mm	LEFT

FUNCTION ACCORDING SIGN PLATE AND CONTROL OF LEAKAGE

	Open	Close	Leakage checked	
Right front jack cylinder				
Right front X				
Right back swing out				
Right back jack cylinder				
Left front jack cylinder				
Left front X				
Left back swing out				
Left back jack cylinder				

**TEST RESULT:**

STABILITY APPROVED:  STABILITY DISAPPROVED:

DATE: \_\_\_\_\_ NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

XT36-160 VL-887E

- \* CHECK DIESEL TANK. ROTATE FOR BETTER ASSEST TO THE FILL UP PORT.
- \* VIBRATOR SWITCH NEEDS TO BE INSTALL & TEST.
- \* ~~BEEM TANK FRON LID LEACKING DRAIN OIL TO CHECK (REPLACED IT)~~
- \* ~~P TO LIGHT DOES NOT WORK~~
- \* ~~E-STOP LIGHT DOES NOT GO OFF WHEN BLOWING THE HORN, AND WHEN PULL E STOP BUTTON <sup>out</sup> GREEN LIGHT COMES ON, AND RED STILL FLASHING. KEY.~~
- \* ~~IT DID NOT CYCLE HORSE P WAS NOT SETED.~~
- \* ~~AIR pressure out prox. switch NOT ADJUSTED IT.~~
- \* ~~AGITATOR HOSE WAS LOOSE.~~
- \* ~~HYD. CYL. LOOP HOSE SLIP FRANGE BOLTS LOOSE.~~
- \* ~~MANIFOLD #13 <sup>2182</sup> BOLTS LOOSE ALL 4 OF THEM.~~
- \* ~~HYD. CYL. BENDS FITTINGS LOOSE.~~
- \* ~~SET RPM DOWN TIMER~~
- \* ~~LOWER RPM'S. AT MACK'S~~
- \* ~~WATER HOSE MISSING.~~
- \* ~~P TO LIGHT NOT WORKING.~~
- \* ~~WATER PLUMBING UNION LOOSE.~~



\* VIBRATOR Switch NEED'S TO BE INSTALL.





# WATER TEST RECORD SHEET

TRUCK MOUNTED CONCRETE BOOM PUMP

INSPECTED BY RUBEN

DATE 5/22/06

-OFF  
#1 9:26  
10:45  
#3 OFF at 9:47

MACHINE MODEL XT36-160

S/N

VL 8878

TIME	AMB TEMP	HYD TEMP	ENG TEMP	HYD PRESSURE	ENG RPM	VOL SETTING	STROKES P/MIN
7:00	60°	109°	215°	70 BAR	1500	6	18
7:15	60°	113°	218°	70 BAR	1500	6	18
7:30	60°	117°	220°	70 BAR	1500	6	18
7:45	61°	122°	220°	70 BAR	1500	6	18
8:00	62°	129°	220°	100 BAR	1500	8	21
8:15	64°	138°	218°	100 BAR	1500	8	21
8:30	65°	139°	220°	80 BAR	1500	8	20
8:45	66°	137°	215°	120 BAR	FULL	10	25
9:00	66°	149°	215°	140 BAR	FULL	8	18
9:15	68°	147°	217	140 BAR	FULL	8	18
9:45	69°	150°	215°	150 BAR	FULL	10	22
10:00	70°	156°	215°	180 BAR	FULL	10	21
10:15	71°	149°	220°	100 BAR	FULL	8	17
10:30	71°	144°	218°	100 BAR	FULL	8	17
10:45	73°	152°	215°	160 BAR	FULL	9	19
11:00	73°	154°	215°	160 BAR	FULL	9	19
11:15	74°	146°	218°	80 BAR	FULL	7	14
11:30	74°	144°	220°	80 BAR	FULL	7	14
12:00	77°	132°	218°	120 BAR	FULL	8	15
12:15	77°	133°	218°	120 BAR	FULL	8	15
12:30	77°	136°	218°	140 BAR	FULL	9	18

<b>REED ALL MODELS</b>	<b>QUALITY ASSURANCE INSPECTION CHECK LIST</b> TRUCK MOUNTED CONCRETE PUMP	PAGE 1 OF 1 INSPECTED BY <u>Ruben</u> DATE <u>5/22/06</u>
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<b>Q.C. &amp; PUMP OPERATIONAL TEST</b>	WORK ORDER <b>VL 8878</b>
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DESCRIPTION OF ITEM INSPECTION	OK INIT.	CORRECTION MADE
15. FLUSHING VALVE ADJUSTMENT Should be 25.8 G.P.M. ( +0-.5 ) Evenly balanced	N/A ↓	
16. MAXIMUM CYCLES PER MINUTE CHECK 30 ( + or - 1 )	RV 	Main Control Box --- <b>27</b> Radio Control ---- <b>27</b> Cable Remote--- <b>27</b>
17. CYCLE TEST 8 Hour time period Documentation of test sheets	RV 	
18. WATER PUMP ADJUSTMENT Relief set to attain maximum flow without swelling of hose when nozzle is closed	RV 	Pre-seted <b>250 BAR</b>
19. BOOM VALVE PRESSURE ADJUSTMENT 340 Bar---( XT-32 & XT-36 ) 350 Bar--- ( XXT-42 )	RV 	Pre-seted <b>350 BAR</b>
20 BOOM RADIO CONTROL PARAMETERS CHECK.		
21 OUTRIGGER PRESSURE ADJUSTMENT Main block relief--250 Bar ( +or - 1 ) XT-36 Extension relief--60 Bar ( +or - 1 ) XXT-32 or 42 Extension relie XXT-32 or 42 front swing out relief--60 Bar ( +or - 1 )	RV ↓	Pre-seted <b>250 BAR</b> ( SEE NOTE BELOW )

SHORTAGES	CORR INIT.

COMMENTS

NOTE...REFER TO TEST PROCEDURE WORK INSTRUCTIONS FOR ADJUSTMENT METHODS.  
NEW O/RIGGER CONTROL VALVES (PIN 802727 + 802728)  
REQUIRE EXTENSION RELIEF ADJUSTED TO 120 BAR.  
7-3-03 (FIRST VALVES USED)      XT-36

REED  
ALL MODELS

QUALITY ASSURANCE INSPECTION CHECK LIST  
TRUCK MOUNTED CONCRETE PUMP

PAGE 1 OF 1

INSPECTED BY Ruben

DATE 5/22/06

Q.C. & PUMP OPERATIONAL TEST

WORK ORDER VL 8878

DESCRIPTION OF ITEM INSPECTION	OK INIT.	CORRECTION MADE
6. FILTRATION OF SYSTEM ( 2 Hour time period )	N/A ↓	
7. R.P.M. CHECK	RV	
800 Idle	900	900
1600 Pumping	1500	1500
8. CHARGE PRESSURE ADJUSTMENT 34 Bar - (+0 -1)	N/A ↓	
9. PUMP CENTERING ADJUSTMENT	N/A	
10. MAXIMUM PRESSURE CHECK 345 Bar	RV ↓	310 BAR MAX
11. BLACK BOX ADJUSTMENT 6-19 Bar	N/A ↓	
12. A-10 PUMP ADJUSTMENT Load sense screw fully in Pressure compensator 190 Bar	N/A ↓	
13. REMIXER PRESSURE ADJUSTMENT 190 Bar	RV 	230 BAR PRE-SETED.
14. COOLER RELIEF ADJUSTMENT 30 Bar	RV 	PRE-SETED

SHORTAGES	CORR INIT.

COMMENTS

<b>Q.C. &amp; PUMP OPERATIONAL TEST</b>	WORK ORDER <b>VL-8878</b>
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DESCRIPTION OF ITEM INSPECTION	OK INIT.	CORRECTION MADE
<b>1. Q.C. INSPECTION PACKAGE</b>		
All forms in package		
All shortages in package		
<b>2. BUILD ORDER REVIEW</b>		
Truck built per build order		
Options installed per build order		
Oil type required		
Defeciciencies noted		
<b>3. PRELIMINARY WALK AROUND</b>	RV	
Components installed properly		
Proper hose & wire routing		
Bolts & fittings tight		
Defeciciencies corrected		
<b>4. FLUID LEVELS</b>	RV	
Engine oil		
Coolant		
Boom tank hydraulic oil		Type <b>TELLUS 46</b>
Main tank hydraulic oil		Type <b>TELLUS 46</b>
Auto lube grease		
Flush box - Oil & water		
<b>5. PRE START UP</b>	RV	
Filling & bleeding of hydraulic system		

SHORTAGES	CORR INIT.

**COMMENTS** **GREASED**

**BLUE RUN TIME, SET AT # 7 RUNS FOR 4 MIN.**

**RED OFF TIME, SET AT # 3 OFF FOR 1/2 HR.**

## CHASSIS INSPECTION CHECK LIST

MFG \_\_\_\_\_ MODEL \_\_\_\_\_ VIN \_\_\_\_\_

DESCRIPTION	DESCRIPTION	DESCRIPTION
<b>A-CAB</b>	• Mirrors RH & LH	<b>F-PAINT</b>
• Lift/Tilt w/Pump	• Parking Brake w/Light	• Cab Ext-Mack White
• Cigar Lighter	• Mud Flaps-24"-Frnt Fender	
• Dome Light w/SW	• Radio AM-FM	
• Door-Slide Type Window	• Antenna-Roof Mtd.	<b>G-INFORMATION</b>
• Fenders-Cab	• Seat-Driver Air Susp.	• Manuals-Protection Plan Service
• Floor Mats-Rubber	• Seat-Rider Fixed	• Safety Kit
• Gauges	• Seat Belts-Lap & Shoulder	
• Dual Air Pressure	• Turn Signal Switch - Manual	
• Voltmeter		<b>H-MISCELLANEOUS</b>
• Eng. Coolant Temp.		• Exterior Paint Damage
• Eng. Oil Pressure		• Window Damage
• Fuel Level		• Dents
• English Display	<b>B-FRAME-FUEL TANK</b>	
• Speedometer w/Trip Odometer	• Bumper Channel Type Extended 63"	
• Eng. Tach w/ Hourmeter	• Towing Device Frt-Pin	<b>I-DRIVE TRAIN</b>
• Glass-Tinted Windows	• Fuel Tank LH 80 Gal RD.	• MACK MD209 Transmission
• Glove Box		• Range selector valve tight
• Grab Handles – Ext.		
• RH & LH Behind Door	<b>C-FRONT AXLE</b>	
• Grab Handles – Int.	• Capacity 20000 lbs	
• Windshield Post RH-LH	• Tires Tubeless Radial	<b>J-COMMENTS</b>
• Instr. Panel RH	• Size 425/65R 22.5 18S	
• Hi-Beam Indicator Light	• Wheels-Alum Disc 10 Hole	
• Horn		
• Air Twin Trumpet		
• Electric Single Tone	<b>D-REAR AXLE-TANDEM</b>	
• Lights	• Capacity 44000 lbs	
• Marker & Clearance (7)	• Tires (8) 11R-22.5-14G	
• Side Markers	• Air Brakes	
• Turn Signals-Front	• Wheels-Alum Disc-10 Holes	
• Headlights (2) Conv 7" RD		
• Rear (2) Stop, Direct, Back up	<b>E-ELECTRICAL</b>	
• Signal Flasher Type	• Back up Alarm	
• Interior Trim – White	• Battery Box Covers	
• Low Air Indicator Light & Buzz	• Daytime Running Lights	

Odometer Reading \_\_\_\_\_

Hourmeter Reading \_\_\_\_\_

Inspected By \_\_\_\_\_

Date \_\_\_\_\_