



## 2007 RDK MACK CV 405HP POWERLINE SHEET

### ORDER/CUSTOMER/VEHICLE INFORMATION

INITIAL REGISTRATION LOCATION, UNITED STATES, TEXAS

TYPE OF SERVICE, COMMERCIAL

VEHICLE APPLICATION CLASS, VOCATIONAL CLASS "C" - Unlimited operation on concrete, asphalt, or maintained gravel/packed dirt with a maximum 3% grade; limited operation on unmaintained surfaces with maximum 5% grade; limited operation on concrete, asphalt, or maintained gravel/packed dirt with maximum 10% grade. (3 AXLES) 78000# MAX GVW. (4 AXLES) 80000# MAX GVW.

CARRIER APPLICATION, WITH CRD92-93 (except 3.86 ratio) or CRD112-113, Unlimited miles on max 3% grade roads (max 15% miles on max 10% grade or max 10% on max 5% grade). 80000# (36287 kg) MAX GCW. (Carrier Code USA-V1)

VEHICLE TYPE, STRAIGHT TRUCK WITHOUT TRAILER

VEHICLE USE & BODY/TRAILER TYPE, REFUSE (NON LOADER). On/Off Hwy  
FILE STATUS, STOCK ORDER

### BVS/FRT AXLE POS/WHEELBASE/PLATFORM

CHASSIS (BASE MODEL), CV703 6-WHEEL TRUCK

FRAME RAILS, 10.625" x 3.25" x .3125" (5/16" main rail) STEEL Constant Section Combined rating w/inside channel reinforcement Section Modulus 23.79 cu in/RBM 2,854,800 in lbs per rail.

WHEELBASE, 265" (6731 mm) WB 186" CA (4724 mm)

PLATFORM, 260" LP (6604 mm) 74" AF (1880 mm) USED WITH 265" WB

FRAME REINFORCEMENT - INSIDE, 1/4" STEEL CHANNEL USED WITH 265" WB & 260" LP

### ENGINE/TRANSMISSION/CLUTCH

ENGINE, MACK AMI-370-ASET-IEGR 405 HP @1700-1900 RPM 1480 LB. FT. MAX. TORQUE @ 1300 RPM TRANSMISSION, 10 SPEED MANUAL (OVERDRIVE), MACK T310M (17.35/0.73)

CLUTCH, MANUAL ADJUSTING, EATON/FULLER CL7981 15.5" TWO-PLATE W/DAMPENED CERAMIC COAX 9-SPRING 6-PADDLE DRIVEN DISC & 2.0" DIA SPLINE-1650# CAP

### ENGINE EQUIPMENT

AIR COMPRESSOR, BENDIX TF750 16.5 CFM (7.9 L/s)

BENDIX WESTINGHOUSE AIR GOVERNOR MTD ON FIREWALL

ALTERNATOR, DELCO 12V 100A (22SI)

BATTERIES, (3) MACK 12V M/F GROUP 31 660/1980 CCA THREADED STUD TYPE W/KALAS CABLES  
FILTER

HAND PRIMER PUMP

RADIATOR, COPPER CORE

STARTER, 12 VOLT DELCO 42MT TYPE 450 ELECTRIC W/THERMAL DISCONNECT

### TRANSMISSION EQUIPMENT/DRIVELINES

CLUTCH PEDAL, OPEN GRATED TYPE

TRANSMISSION BELL HOUSING, ALUMINUM

DUSTPROOFING

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DRIVELINE - MAIN, DANA-SPICER 1810 HD W/COATED SPLINES  
DRIVELINE - INTERAXLE, DANA-SPICER 1710 HD W/COATED SPLINES

#### **CAB (A thru G)**

MACK (BERGSTROM) INTEGRAL W/HEATER COMBINATION HEATER/DEFROSTER AND  
CONDITIONER  
AIR CONDITIONING COMPRESSOR, ROTARY FREON  
CAB, CA67 CONVENTIONAL (WELDED STEEL GALVANIZED SHELL) INCLUDES MACK RUST  
PREVENTATIVE PROCEDURES  
CAB MOUNTING, AIR SUSPENSION  
CERTIFIED WEIGHT  
DOOR INTERIOR TRIM PANELS, PADDED VINYL WITH ARM REST PADS  
ENGINE SHUTOFF, KEY TYPE  
FENDER EXTENSIONS, FENDER EXTENSIONS  
GAUGE CLUSTER, ENGINE AND TRANSMISSION OIL TEMPERATURE GAUGES  
GAUGES, ENGLISH DISPLAY  
GAUGE, SPEEDOMETER W/TRIP ODOMETER (ELECTRONIC 1% ACCURACY)  
GAUGE, ENGINE TACHOMETER (ELECTRONIC WITH HOURMETER)  
GLASS - CAB WINDOW, SAFETY TINTED WINDSHIELD, SIDE AND REAR WINDOWS  
GRILLE, BRIGHT FINISH BARS W/BRIGHT FINISH SURROUND

#### **CAB (H thru R)**

HEADLAMP BEZEL - MOLDED PLASTIC (BRIGHT FINISH)  
HORN - AIR, (2) MACK RECTANGULAR SINGLE TRUMPET (ONE EACH SIDE OF CAB ROOF)  
HORN - ELECTRIC, SINGLE TONE  
IDENTIFICATION/CLEARANCE LIGHTS, (SET OF 5) BULLET TYPE CHROME MARKER AND  
CLEARANCE  
INTERIOR TRIM (CONTRACTOR) Features: Padded Vinyl Headliner with integral overhead header console,  
rear panel with storage pouch, Black Rubber floor mats with closed cell Nitrile Backing, Dash Panel and  
Firewall Covering, cup holder, Charcoal Gauge Panel with black bezels, Light Saddle door insert panel, sun  
visors, Saddle vinyl driver's seat, rider seat and tilt steering column.  
CHASSIS KEYED AT RANDOM - 2 KEYS  
MIRROR BRACKETS, EXTENDED FOR 102" WIDTH TRAILERS  
MIRRORS - EXTERIOR, WEST COAST, RH & LH BRIGHT FINISH MACK BULLDOG HEATED  
MIRRORS - CONVEX TYPE, BRIGHT FINISH, LH & RH 8.0" DIA. MOUNTED BELOW LOWER ARM OF  
WEST COAST MIRROR  
PERSONALIZED NAME PLATE

#### **Description**

DALLAS MACK SALES,LP  
POWER OUTLETS, TWO ADDITIONAL 12-VOLT SUPPLEMENTARY  
AM/FM STEREO CD  
RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR  
DASHBOARD MOUNTING STRAP

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**CAB (S thru Z)**

SEAT - DRIVER, BOSTROM TALLADEGA 915 (MID-BACK) AIR SUSPENSION  
SEAT ARM RESTS, INBOARD MOUNTED ARM REST, DRIVER'S SEAT ONLY  
SEAT BELTS/RETRACTORS, LAP AND SHOULDER W/CAB MOUNTED SHOULDER BELT  
W/ADJUSTABLE D-RING FOR DRIVER & RIDER SEATS  
W/O ROOF VENT VENTILATION  
STEERING COLUMN, ADJUSTABLE TILT TELESCOPE  
STORAGE ACCESSORIES, PADDED VINYL WITH HEADER STORAGE SHELF WITH DOOR  
SUN VISOR, EXTERIOR, FIBERGLASS (CAB COLOR)  
SUN VISOR - INTERIOR, BOTH SIDES (PADDED VINYL)  
WINDSHIELD WIPERS, 2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE

**FRAME EQUIPMENT/FUEL TANKS**

BUMPER - FRONT, EXT.-SWEPT BACK-STEEL CHANNEL 118.5"/3009 mm BBC (10"Hx92.6"W)  
W/BRIGHT FINISH  
CROSSMEMBERS, BACK OF CAB (BOC) STEEL ROLLED FLANGE I-BEAM  
WITHOUT FIFTH WHEEL MOUNTING ANGLES  
RADIATOR GUARD, PLATE TYPE W/BRIGHT FINISH GUARD AND BRACKETS  
TOWING DEVICE - FRONT, TOW EYES - FRONT SPRING FRONT BRACKET MTD.  
FUEL TANK - LH, 75 GALLON 22" DIAMETER ALUMINUM UNPAINTED STEP  
FUEL TANK - RH, 55 GALLON 22" DIAMETER ALUMINUM UNPAINTED STEP  
BRIGHT FINISH STAINLESS STEEL STRAPS - FUEL TANK

**FRONT AXLE/EQUIPMENT/TIRES**

FRONT AXLE, 18000# (8165kg) MACK FXL18 (WIDE PIVOT CENTER)  
TIRES BRAND/TYPE - FRONT, 385/65R X 22.5 G286A 18 PLY J RATING TIRES  
WHEELS - FRONT, ALUMINUM DISC  
(2) 22.5x12.25 ALCOA 10-HOLE HUB PILOTED (11 1/4"/286mm BC)  
WHEELS - POLISHED (FRONT), (2) OUTSIDE SURFACE ONLY  
HUBS - FRONT, FERROUS  
BRAKES - FRONT, MERITOR "S" CAM TYPE 16.5" x 6" Q+  
BRAKE DRUMS - FRONT, CAST OUTBOARD MOUNTED  
DUST SHIELDS - FRONT BRAKE, FURNISH  
FACTORY OPTION  
SHOCK ABSORBERS, FRONT  
SLACK ADJUSTERS - FRONT, HALDEX - AUTOMATIC  
SPRINGS - FRONT, MACK MULTILEAF HD 18000# (8165kg) GROUND LOAD RATING  
STEERING, M110P

**REAR AXLE/EQUIPMENT/TIRES/RATIOS**

REAR AXLE/SUSPENSION, 44000# (19958kg) MACK S440 FABRICATED HOUSING, SS440 MACK

**Description**

MULTILEAF (CAMELBACK) 44000#

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TIRES BRAND/TYPE - REAR, GOODYEAR - TUBELESS RADIAL PLY, (8) 11R22.5 14 G G164 RTD UNISTEEL (TRACTION)  
CARRIER/RATIO - REAR AXLE, MACK MALLEABLE CRDPC92/CRD93, 4.42 RATIO WHEELS - REAR, STEEL DISC (10 HOLE)  
(8) 22.5x8.25 (210 mm) ACCURIDE 10-HOLE HUB PILOTED (11 1/4" BOLT CIRCLE) HUBS - REAR, FERROUS  
BRAKES - REAR, MERITOR "S" CAM 16.5"x7" Q+  
BRAKE DRUMS - REAR, CAST OUTBOARD MOUNTED  
DUST SHIELDS - REAR BRAKE, FURNISH  
OIL SEALS, STEMCO (VOYAGER)  
POWER DIVIDER LOCKOUT W/WARNING LIGHT AND BUZZER (INCLUDES IN CAB MANUAL AIR VALVE)  
RAISED REAR BRAKE CHAMBERS (REAR REAR AXLE ONLY)  
SLACK ADJUSTERS - REAR, HALDEX - AUTOMATIC  
SPRINGS, ANTI-SWAY  
SPRING BRAKE CHAMBERS - VENDOR, MGM MODEL TR-T (TAMPER RESISTANT) SPRING BRAKE CHAMBERS, TYPE 30/30  
REAR  
TRANSVERSE TORQUE ROD (REAR AXLE ONLY)  
BRONZE TRUNNION BUSHING

#### **AIR/BRAKE**

AIR CONTROL VALVES - VENDOR, BENDIX SWITCHES AND VALVES WHERE POSSIBLE AIR DRYER, MERITOR SYSTEM SAVER  
1200P HEATED AIR DRYER ANTI-LOCK BRAKE SYSTEM, BENDIX WITHOUT TRACTION CONTROL BRAKE CONTROL VALVE SYSTEM,  
SINGLE VALVE SYSTEM  
HAND CONTROL VALVE FOR REAR SERVICE BRAKES  
INCREASED AIR CAPACITY, FOR LOCAL INSTALLATION OF AIR LIFT PUSHER AXLE (INCLUDES 80" FRAME RAIL CLEARANCE FORWARD  
FROM CENTERLINE OF "FRONT" REAR AXLE) **ELECTRICAL**  
BACKUP SWITCH RELAY  
BATTERY BOX(ES), STEEL  
BATTERY BOX COVERS, POLISHED ALUMINUM  
BATTERY BOX - MOUNTING, SINGLE L.H. BATTERY BOX STANDARD LOCATION WITHOUT DAYTIME RUNNING LIGHTS  
ELECTRIC CIRCUIT PROTECTION PACKAGE, 12 VOLT W/CIRCUIT BREAKERS (HEADLAMP CIRCUIT: SAE TYPE I; ALL OTHER CIRCUITS  
SAE TYPE II) NEGATIVE GROUND SYSTEM SIGNAL FLASHER TYPE, TRANSISTORIZED FLASHER FOR TURN SIGNAL **PAINT**  
PAINT - CAB EXTERIOR, SINGLE COLOR, MACK WHITE (HIGH GLOSS) PAINT - CAB, URETHANE BASE COAT W/O  
CLEAR COAT  
PAINT - CAB INTERIOR, SAME COLOR AS CAB EXTERIOR COLOR  
PAINT - CHASSIS RUNNING GEAR, MACK BLACK (URETHANE)  
PAINT - FRONT SPOKE WHEELS, WITHOUT OPTIONAL SPOKE WHEEL PAINT  
WITHOUT OPTIONAL SPOKE WHEEL PAINT  
WITHOUT SPECIAL PRE-FINISHED OPTIONS  
REAR WHEELS PRE-FINISHED WHITE

#### **PTO/SPECIALTY/ADDITIONAL EQUIPMENT**

PTO - REAR ENGINE (REPTO), WITHOUT REAR ENGINE POWER TAKE OFF  
DPP-0001 PID CODE ORDER SCHEDULE BUILD AT 20 PER MONTH STARTING JAN. 06 THRU  
JUNE 2006

#### **VEHICLE ELECTRONICS**

ROAD SPEED LIMIT (RSL) 75 mph  
LOWER GEAR ROAD SPEED LIMIT Omit

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LOWER GEAR ROAD SPEED LIMIT (LGRSL)65mph  
LOWER GEAR ROAD LIMIT TRANS RATIO .73  
MAXIMUM CRUISE CONTROL SPEED 72 mph  
MINIMUM CRUISE CONTROL SPEED 35 mph  
ENGINE BRAKE DELAY IN CRUISE Furnish  
ENGINE BRAKE ENGAGEMENT DELAY IN CRUISE 2 mph  
ENGINE BRAKE DISENGAGEMENT DELAY IN CRUISE  
INHIBIT CRUISE CONTROL WITH PTO ON Furnish  
CRUISE CONTROL AUTO RESUME Furnish  
GOVERNOR SETTINGS  
GOVERNOR TYPE Min-Max  
HIGH IDLE (max no load) RPM 2170 rpm  
ENGINE OVERSPEED FAULT THRESHOLD 2350  
rpm LOW IDLE (min no load) RPM 650 rpm  
TAMPER RESISTANCE  
DETECT LOSS OF SIGNAL FROM MPH SENSOR Furnish  
LIMIT POWER IF NO MPH SENSOR SIGNAL Furnish  
LIMIT POWER IF MPH SENSOR ELECTRICAL FAULT  
Omit INCORRECT GEAR RATIO FAULT DETECTION  
Furnish HOLD ELECTRICAL POWER UNTIL VEHICLE  
STOPS Omit ENGINE LOAD THRESHOLD FOR NO MPH  
SIGNAL FAULT FAILED MPH SENSOR ENGINE POWER  
LIMIT  
HAND THROTTLE CONTROL, ELECTRONIC HAND THROTTLE  
(EHT) EHT MAXIMUM ROAD SPEED 10 mph  
EHT ENGINE SPEED LIMIT 2100 rpm  
EHT MAXIMUM SET SPEED 2100 rpm  
EHT MINIMUM SET SPEED 475 rpm  
EHT RAMP RATE (rpm/second)  
EHT SINGLE SPEED CONTROL RPM 625 rpm  
EHT SINGLE SPEED CONTROL/SSC Omit  
PTO1 MAXIMUM ROAD SPEED 10 mph  
PTO1 ENGINE SPEED LIMIT 2100 rpm  
PTO1 MAXIMUM SET SPEED 1500 rpm  
PTO1 MINIMUM SET SPEED 475 rpm  
PTO1 RAMP RATE  
PTO1 SINGLE SPEED CONTROL RPM 1000 rpm  
PTO1 ROAD SPEED LIMIT  
PTO1 SINGLE SPEED CONTROL (SSC) Omit  
PTO1 PARK BRAKE CHECK FOR SSC Omit  
PTO2 MAXIMUM ROAD SPEED 10 mph  
PTO2 ENGINE SPEED LIMIT  
PTO2 MAXIMUM SET SPEED 1500 rpm  
PTO2 MINIMUM SET SPEED 475 rpm  
PTO2 RAMP RATE

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PTO2 SINGLE SPEED CONTROL RPM 1000rpm  
PTO2 ROAD SPEED LIMIT  
PTO2 SINGLE SPEED CONTROL/(SSC) Omit  
PTO2 PARK BRAKE CHECK FOR SSC Omit  
ENGINE PROTECTION SYSTEM, ENGINE SHUTDOWN AND WARNING W/MANUAL OVERRIDE SWITCH  
COOLANT LEVEL SHUTDOWN Omit  
COOLANT TEMPERATURE SHUTDOWN  
FURNISH OIL PRESSURE SHUTDOWN Furnish  
TRANSMISSION TEMPERATURE SHUTDOWN Omit  
AUTO TRANSMISSION TEMPERATURE SHUTDOWN Omit  
FURNISH EXHAUST TEMPERATURE SHUTDOWN OMIT  
IDLE SHUTDOWN SYSTEM  
VEHICLE DATA LOG - "DATAMAX", FURNISH VEHICLE DATA LOG FEATURE - "DATAMAX" BUILT-IN  
TRIP RECORDER (INCLUDES COMPREHENSIVE CURRENT AND TOTAL TRIP LOG,  
MAINTENANCE LOG, TRIP HISTOGRAMS, DRIVER EVENT LOG, AND CUSTOMER DEFINABLE  
TRIP LOG. DATAMAX FEATURES ARE PROGRAMMABLE THROUGH INFOMAX PC BASED  
SOFTWARE WHEN AVAILABLE  
DATA SAVE MODE WRAP  
VEHICLE OVERSPEED - ALL CONDITIONS 75 mph  
VEHICLE OVERSPEED - FUELED ONLY 65 mph  
ENGINE OVERSPEED - SEVERE 2350 rpm  
ENGINE OVERSPEED - ALL CONDITIONS 2150 rpm  
ENGINE OVERSPEED - FUELED ONLY 1850 rpm  
IDLE LOGGING DELAY 2 min

#### **DEALER INFORMATION**

MANUALS, PEDIGREED PROTECTION PLAN TECH. SERVICE MANUAL PROVIDED  
PILOT INSPECTION, WITHOUT PILOT  
INSPECTION FUEL SURCHARGE  
2007 YR. MODEL SURCHARGE BEGINNING 01/02/06 CHASSIS LIST \$125,686 X 5%-\$6,284.30  
CHASSIS OPTIONS \$18542 X3%-\$556.26

#### **PERFORMANCE/GRAPHICS/TECH DATA**

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