

## CHASSIS SPECIFICATIONS

M2 FREIGHTLINER

CAT C7 300 HP

270' WHEEL BASE

25,500 GVWR

## ENGINE

- CAT C7 300 HP @ 2200 RPM: 2400 GOV RPM 800 LB/FT
- @1440 RPM

## ENGINE EQUIPMENT

- 2004 EPA/CARB EMISSION CERTIFICATION
- ENGINE MOUNTED OIL CHECK AND FILL
- ONE PIECE VALVE COVER
- SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER
- **LN 12V 270 AMP 4944PA PAD MOUNT ALTERNATOR WITH AC TAPS**
- (2) ALLIANCE 1131 GRP31 12V MF 1900 CCA THREADED STUD BATTERIES
- BATTERY BOX FRAME MOUNTED
- SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB
- FRAME GROUND RETURN FOR BATTERY CABLES
- NON-POLISH BATTERY BOX COVER
- POSITIVE POST FOR JUMP START
- NO CLUTCH
- BW 13.2 CFM COMPRESSOR (SERIES 550)
- TEFLON COMPRESSOR DISCHARGE LINE
- ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM

- SINGLE HORIZONTAL MUFFLER WITH HORIZONTAL TAIL PIPE EXHAUST, RIGHT-HAND MOUNTED
- HORIZONTAL TAILPIPE, EXIT FORWARD OR REAR TIRES, RH
- HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH
- AUTOMATIC CONTROL WITHOUT DASH SWITCH
- OMIT PRIMARY FUEL FILTER
- FULL FLOW OIL FILTER
- 870 SQUARE INCH RADIATOR
- ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT
- GATES BLUE STRIPE COOLANT HOSES
- CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
- PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER
- CHROME ENGINE HEATER REVEPTACLE MOUNTED UNDER LEFT HAND DOOR
- ALUMINUM FLYWHEEL HOUSING
- AIR INTAKE WARMER
- DELCO 12V 29MT STARTER

### **TRANSMISSION**

- ALLISON 3000 PTS AUTOMATIC TRANSMISSION WITHOUT PTO PROVISION

### **TRANSMISSION EQUIPMENT**

- VEHICLE INTERFACE WIRING AND PDM WITH BODY BUILDER CONNECTOR, BACK OF CAB
- MAGNETIC PLUGS, ENGINE DRAIN, TRNSMISSION DRAIN, AXLE(S) FILL AND DRAIN
- PUSH BUTTON, ELECTRONIC SHIFT CONTROL, DASH MOUNTED

### **FRONT AXLE AND EQUIPMENT**

- AF –8.0-2 8,000# FC1 72.0 KPI/3.74 DROP SINGLE FRONT AXLE
- BOSCH HYDRAULIC PIN – SLIDE DISC FRONT BRAKES
- NON-ASBESTOS FRONT BRAKE LINING
- FRONT DISC BRAKE ROTORS
- FRONT OIL SEALS
- VENTED FRONT HUB CAPS - OIL
- STANDARD SPINDLE NUTS FOR ALL AXLES
- NO FRONT SLACK ADJUSTERS
- TRW THP –45 POWER STEERING
- POWER STEERING PUMP
- 2 QUART SEE THROUGH POWER STEERING RESERVOIR

### **FRONT SUSPENSION**

- 8,000# TAPERLEAF FRONT SUSPENSION
- MAINTENANCE FREE RUBBER BUSHING – FRONT SUSPENSION
- FRONT SHOCK ABSORBERS

### **REAR AXLE AND EQUIPMENT**

- ARS-17.5-2 17,500# L-SERIES SINGLE REAR AXLE
- 5.13 AXLE RATIO
- IRON REAR AXLE CARRIER HOUSING
- 17T MERITOR MAIN DRIVELINE W/HALF ROUND YOKES
- CASTROL TRANSYND SYNTHETIC AUTOMATIC TRANSMISSION OIL  
AND MOBILE SYNTHETIC 75W- 90W ALL AXLES
- BOSCH HYDRAULIC PIN-SLIDE DISC REAR BRAKES
- NON-ASBESTOS REAR BRAKE LINING
- CAM BRAKE AUXILIARY SUPPORT BRACKETS
- REAR DISC BRAKE ROTORS

- CHICAGO RAWHIDE SCOTSEAL REAR OIL SEALS
- REAR AXLE MOUNTED DRUM PARK BRAKE

### **REAR SUSPENSION**

- **AIRLINER 21,000# REAR SUSPENSION**
- **AIRLINER HIGH POSITION RIDE HEIGHT**
- STANDARD U-BOLT PAD
- MANUAL DUMP VALVE FOR AIR SUSPENSION WITH INDICATOR LIGHT, WITHOUT GAUGE, WITH BUZZER
- **REAR AIR SUSPENSION DUMP VALVE AUTOFILL WITH IGNITION OFF OR >5 MPH**
- SINGLE AIR REAR SUSPENSION LEVELING VALVE
- TRANSVERSE CONTRL RODS
- REAR SHOCK ABSORBERS – ONE AXLE (AIR RIDE SUSP)

### **BRAKE SYSTEM**

- BOSCH HYDAULIC BRAKE PACKAGE W/OPTINAL AIR SUPPLY
- WABCO HYDROLIC 4S/4M WITHOUT TRACTION CONTROL
- HYDAULIC TUBING WITH NYLON AND FABRIC/WIRE BRAID CHASSIS AIR LINES
- ONE STEEL AIR BRAKE RESERVOIR
- BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER-WET TANK
- PETCOCK DRAIN VALVES ON ALL AIR TANK(S)
- QUICK DISCONNECT FITTING WITH HOSE FORE TIRE INFLATION KIT

### **WHEELBASE & FRAME**

- 6850MM (270") WHEELBASE
- 5/16" X 3" X 10-1/8" STEEL FRAME (7.94MM X 257.2MM/.312" X 10.13") 50KSI
- SQUARE END OF FRAME

- STANDARD WEIGHT ENGINE CROSSMEMBER
- STANDARD REARMOST CROSSMEMBER
- STANDARD SUSPENSION CROSSMEMBER

### **CHASSIS EQUIPMENT**

- **THREE-PIECE 14" CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS**
- **FRONT TOW HOOKS – FRAME MOUNTED**
- BUMPER MOUNTING FOR SINGLE LICENSE PLATE
- CLEAR FRAME RAILS/NO PROTRUSIONS OUTBOARD BOTH RAILS BACK OF CAB TO REAR SUSPENSION
- HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS

### **FUEL TANKS**

- **50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK – RH**
- **50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK – LH**
- RECTANGULAR FUEL TANK(S)
- PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
- FUEL TANK(S) FORWARD
- FUEL TANK CAP(S)
- ALLIANCE FUEL FILTER/WATER SEPARATOR WITH INDICATOR LIGHT
- EQUIFLO INBOARD FUEL SYSTEM
- REINFORCED NYLON FUEL HOSE

### **TIRES**

- **MICHELIN XZE 275/80R22.5 14 PLY RADIAL FRONT TIRES**
- **MICHELIN XD4 275/80R22.5 14 PLY RADIAL REAR TIRES**

## **HUBS**

- GUNITE IRON FRONT HUBS
- CONMET IRON REAR HUBS

## **WHEELS**

- **ACCURIDE 29644A 22.5 X8.25 10-HUB PILOT ALUMINUM FRONT WHEELS**
- **ACCURIDE 29644A 22.5X8.25 10-HUB PILOT ALUMINUM REAR WHEELS**
- **POLISHED FRONT WHEELS (OUTSIDE ONLY)**
- **POLISHED REAR WHEEL – OUTSIDE OF OUTER WHEELS ONLY**

## **CAB EXTERIOR**

- 106" BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
- NO SLEEPER BOX/SLEEPER CAB
- RUBBER CAB MOUNTS
- **NONREMOVABLE BUG SCREEN MOUNTED BEHIND GRILLE**
- **GRAB HANDLES LH/RH**
- HOOD MOUNTED CHROMED PLATIC GRILLE
- FIBERGLASS HOOD
- HOOD LINER INSULATION WITH SINGLE FIREWALL INSULATION
- **SINGLE 11" ROUND AIR HORN UNDER DECK**
- DUAL ELECTRIC HORNS
- SINGLE HOWRN SHIELD
- ALL LOCKS KEYED THE SAME
- REAR LICENSE PLATE MOUNT END OF FRAME
- INTEGRAL HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL
- OMIT STANDARD MARKER LIGHTS
- **RECTANGULAR CLEAR FOG LIGHTS MOUNTED UNDER BUMPER**
- DAYTIME RUNNING LIGHTS

- OMIT STOP/TAIL/BACKUP LIGHTS AND PROVIDEWIRING WITH SEPARATE STOP/TAIL WIRES TO 7" BEYOND END OF FRAME
- STANDARD FRONT TURN SIGNAL LAMPS
- **DUAL BRIGHT HEATED WEST COAST MIRRORS WITH LH/RH REMOTE**
- **DOOR MOUNTED MIRRORS**
- **102" EQUIPMENT WIDTH**
- **LH/RH 8" BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS**
- **RIGHT HAND DOWN VIEW MIRROR**
- STANDARD SIDE REAR REFLECTORS
- 63"/14" TINTED REAR WINDOW
- TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS
- **RH AND LH ELECTRIC POWERED WINDOWS**
- TINTED WINDSHIELD
- 8 LITER WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR

### **CAB INTERIOR**

- OPAL GRAY VINYL INTERIOR
- **M2 INTERIOR CONVENIENCE PACKAGE**
- MOLDED DOOR PANEL WITH UPEER VINYL INSERTS
- GREY VINYL MATS WITH INSULATION
- DASH MOUNTED ASH TRAYS AND LIGHTER
- FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS AND ADDITIONAL CENTER COMPARTMENT WITH NETTING
- IN DASH STORAGE BIN
- PLASTIC MANIFEST BOX – LH DOOR

- (2) CUP HOLDERS, LH AND RH DASH
- GREY/CHARCOAL FLAT DASH
- HEATER, DEFROSTER AND AIR CONDITIONER
- MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
- STANDARD HEATER PLUMBING
- SANDEN COMPACT AIR CONDITIONER COMPRESSOR
- BINARY CONTROL, R-134A
- **SILENCER PACKAGE FOR CAB**
- SOLID-STATE CIRCUIT PROTECTION AND FUSES
- 12V NEGATIVE GROUND ELECTRICAL SYSTEM
- DOME DOOR ACTIVATED LH & RH, DUAL READING LIGHT, FWD CAB ROOF
- **ELECTRICAL DOOR LOCKS – LH AND RH**
- **BOSTROM TALLADEGA 910 HIGH –BACK AIR- SUSPENSION DRIVER SEAT**
- **HIGH BACK NON-SUSPENSION PASSENGER SEAT**
- DUAL ARMREST DRIVER SEAT – INBOARD ARMREST PASSENGER SEAT
- LH/RH INTEGRAL DOOR PANEL ARM RESTS
- VINYL WITH CLOTH INSERT, DRIVER SEAT
- VINYL WITH CLOTH INSERT, PASSENGER SEAT
- 3 POINT FIXED D-RING RETRACTOR DRIVER AND PASSENGER SEATBELTS
- **ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN**
- 450MM (18”) LK FOUR-SPOKE CHARCOAL STEERING WHEEL
- DRIVER/PASSENGER INTERIOR SUN VISORS

## **INSTRUMENTS & CONTROLS**

- BLACK GAUGE BEZELS
- WOODGRAIN INSTRUMENTS PANEL-DRIVER
- LOW AIR PRESSURE LIGHT AND BUZZER
- INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS
- **87 DB TO112 DB SELF-ADJUSTING BACKUP ALARM**
- **CRUISE CONTROL – ELECTRONIC ENGINE, WITH SWITCHES IN LH SWITCH PANEL**
- KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
- ODO/TRIP/HOUR/DIAGNOSTIC/VOLTAGE DISPLAY 1X7 CHAR, 26 WRNG LAMPS, DATA LINKED ICU3
- DIAGNOSTIC INTERFACE CONNECTOR, 9 PIN, SAE J1587/1708/1939 LOCATED BELOW DASH
- 2" ELECTRIC FUEL GAUGE
- **PROGRAMMABLE RPM CONTROL-ELECT ENGINE**
- ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
- TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT
- ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
- ELECTRIC ENGINE OIL PRESSURE GAUGE
- CUSTOMER FURNISHED DIN RADIO PACKAGE
- DASH MOUNTED RADIO
- (2) RADIO SPEAKERS (CAB ONLY)
- POWER & GROUND STUDS IN/UNDER DASH
- **MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM**
- ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
- IGNITION SWITCH CONTROLLED ENGINE STOP
- ONE ILLUMINATED ROCKER SWITCH WITH WIRE TO CHASSIS AT BACK OF CAB

- DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
- SINGLE ELECTRICAL WINDSHIELD WIPER MOTOR WITH DELAY
- MARKER LIGHT/HEADLIGHT SWITCH WITH SEPARATE INTERRUPTER FOR CLEARANCE LIGHTS
- SELF CANCEL TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
- INTEGRAL ELECTRONIC TURN SIGNAL FLASHER

### NOTES