
Contents

INTRODUCTION	1
TO THE OWNER	1
In Appreciation	1
About This Handbook	2
THE VEHICLE	3
Basic Configuration	3
Vehicle Management and Control System (V-MAC®)	3
COMPONENT IDENTIFICATION	4
VIN Locations	4
Engine Identification	4
Engine Information Plate	5
Clean Idle Engines	6
Transmission Identification	7
WARRANTY INFORMATION	9
Air Brake System	9
SERVICE LITERATURE	10
TS576 – MACK Class 8 –Components Service Manual	10
TS473 – Class 8 – Custom Collated Service Manual	10
TS473E – Class 8 – Custom Collated Service Manual on CD	10
CUSTOMER SERVICE	11
Call 1-800-866-1177 for MACK OneCall™	11
Questions and Complaints	11
Addresses	11
Additional Assistance	12
REPORTING SAFETY DEFECTS	13
United States	13
Canada	13
Mexico	13
EVENT DATA RECORDING DEVICES	14
SAFETY INFORMATION	15
SAFETY STATEMENT	15
CERTIFICATION LABELS	17
Safety Certification Label	17
ADVISORY LABELS	19
Advisory Label Locations (On Vehicle)	20
CAB ENTRY/EXIT	29

Three-Limb Contact	29
Driver Side	31
Passenger Side	33
SAFETY TIPS FOR COLD WEATHER OPERATION	34
Driver Visibility	34
Cab Door Seals and Key Locks	35
Outside Mirror Heater	35
Air Horn Snow Shield	36
Fire Extinguisher (Optional)	36
INSTRUMENTS AND CONTROLS	37
CAB INTERIOR — LEFT	37
CAB INTERIOR — RIGHT	38
INSTRUMENT PANEL	39
Tell-Tales	39
Panel Arrangement	40
INSTRUMENT PANEL GAUGE LAYOUT	41
Panels A, B, C and D	42
Panel E	43
Panel F	44
Moving Regeneration	49
Parked Regeneration	50
DPF INHIBIT ROAD SPEED LIMITING (RSL)	52
CAB CLIMATE CONTROL	59
LIGHT CONTROL PANEL	60
STEERING COLUMN	61
Combination Starter and Electrical Switch	61
MISCELLANEOUS CONTROLS	62
Dome Light	62
Air Horn	62
Fresh Air Vent	63
Accessory Power Outlets	63
OPERATION	64
PRE-TRIP INSPECTION AND DAILY MAINTENANCE	64
Pre-Trip Inspection Quick List	65
New Vehicle Break-In	77
WINDSHIELD WASHER RESERVOIR	79
CAB TILT OPERATION	80
Tilting the Cab	81

Lowering the Cab	83
Bleeding the Cab Tilt System	84
DOORS	85
Opening the Cab Door	85
Locking the Cab Door	85
Right-Side (Folding) Door	85
Folding the Door	89
Unfolding the Door	91
SEAT BELTS	93
Seat Belt Operation	93
Fastening Seat Belt	93
RIGHT-SIDE RESTRAINT	96
SEAT ADJUSTMENT	97
Right-Side Folding Seat	97
Air Seat	98
MIRROR SYSTEMS	100
Moto Mirror System	100
MACK ENGINE INFORMATION	103
Precautions and Warnings	103
Engine Model Designations	104
CRUISE CONTROL OPERATION	105
Speed Control Switches	105
Disengaging Cruise Control	105
MACK POWERLEASH™ ENGINE BRAKE (IF EQUIPPED) ...	107
Engine Brake Switch	108
How the Engine Brake is Activated	108
Cruise Control with the MACK PowerLeash™ Engine Brake .	109
ON THE ROAD WITH THE MACK POWERLEASH™	
ENGINE BRAKE	110
Over Flat Terrain	110
Descending a Grade	111
On Slippery Road Surfaces	113
BRAKE OPERATION	115
Air Brake System	115
Automatic Slack Adjusters	116
Parking Brake System	116
Parking Brake Operation	117
Parking	117
Anti-Lock Brake System (ABS)	118

Automatic Traction Control (ATC) (If Equipped)	121
Work Brake System	122
GOOD DRIVING HABITS	124
Weight Ratings	124
Instruments	124
Shutting Down the Engine	124
General Observation	124
STARTING THE VEHICLE	125
General Information	125
Push Button Starters	125
Air Starters	126
Engine Warm-Up	129
Engine Idling	129
Shutting Down the Engine	130
COLD WEATHER OPERATION	132
Cold Weather Starting Tips	132
Engine Block Heaters	133
MOVING THE VEHICLE — GENERAL INFORMATION	134
Braking	134
Engine Temperature	134
TRANSMISSION SHIFTING INSTRUCTIONS	136
Status Lights	139
Transmission Module Location	140
AXLES	141
Rear Axles Other Than MACK	141
MACK Rear Axles	141
Engaging the Power Divider Lockout	142
DIESEL PARTICULATE FILTERS (IF EQUIPPED)	145
Extended Idling and Aftertreatment System Conditioning (Periodic Heat Mode)	147
MAINTENANCE AND LUBRICATION	149
MAINTENANCE INTRODUCTION	149
TURBOCHARGER	150
CLEANING YOUR VEHICLE	151
Exterior Washing	151
Cab and Hood	153
Chassis	154
Cab Interior	154

Waxing	154
Polishing	155
Winter Warnings	155
TOWING	156
ENGINE OIL LEVEL CHECK	158
Power Steering Reservoir	159
FUEL TANK	160
Fuel Tank Cap	160
FUELING	161
BioDiesel	162
B20 Approval For Mack EPA 07 Certified Products	162
COOLING SYSTEM	163
Coolant Level Check	163
Draining the Cooling System	164
Refilling the Cooling System	164
Protecting the Cooling System	165
Cooling System Maintenance	166
Accessory Drive Belt Routing	167
HEADLIGHTS	168
Bulb Replacement	168
WHEELS	168
Wheel Inspection	168
Tires	169
BATTERY	172
Jump-Starting Engine	172
ELECTRICAL	174
Circuit Breaker and Relay Panels	174
Electrical Grease	178
Circuit Protection Charts	179
METRIC CONVERSIONS	181
METRIC CONVERSIONS	181