

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

NOTE: Engine repair information is not contained within this tractor Repair Manual. For engine repair, refer to publication number 87515682 for the 8.3 & 9.0L 6 Cylinder, 24 Valve CNH Engine with High Pressure Common Rail Fuel System.

STANDARD TORQUE SPECIFICATIONS	SECTION 00, CHAPTER 1
TORQUE SPECIFICATIONS - METRIC HARDWARE	00-1-4
TORQUE SPECIFICATIONS - STEEL HYDRAULIC FITTINGS	00-1-5
TORQUE SPECIFICATIONS - STEEL HYDRAULIC FITTINGS	00-1-6
SAFETY, GENERAL INFORMATION, MAINTENANCE SCHEDULE	SECTION 00, CHAPTER 2
SAFETY	00-2-3
GENERAL INFORMATION	00-2-5
LUBRICATION/MAINTENANCE CHART	00-2-6
SYSTEM CAPACITIES	00-2-7
ENGINE REMOVAL AND INSTALLATION	SECTION 10, CHAPTER 1
ENGINE REMOVAL	10-1-3
ENGINE INSTALLATION	10-1-10
FUEL TANK / FUEL SENDER REMOVAL AND INSTALLATION	SECTION 10, CHAPTER 2
SPECIAL TORQUES	3001-3
FUEL TANK REMOVAL AND INSTALLATION	3001-3
FUEL LEVEL SENDER REMOVAL AND INSTALLATION.....	3001-10
HOOD REMOVAL	SECTION 10, CHAPTER 3
HOOD REMOVAL	10-3-3
HOOD INSTALLATION	10-3-5
COOLING SYSTEM MODULE REMOVAL AND INSTALLATION	SECTION 10, CHAPTER 4
COOLING MODULE REMOVAL	10-4-3
COOLING MODULE INSTALLATION	10-4-7
VISCOUS FAN DRIVE TEST	SECTION 10, CHAPTER 5
REQUIRED TOOLS	10-5-3
DIAGNOSTIC PROCEDURE	10-5-4
FAN SPEED TEST	10-5-7
POWERSHIFT TRANSMISSION SYSTEM - HOW IT WORKS AND TROUBLESHOOTING	SECTION 21, CHAPTER 1
TRANSMISSION SYSTEM INTRODUCTION	21-1-3
TRANSMISSION SYSTEM CONTROLS	21-1-5
TRANSMISSION SYSTEM COMPONENTS	21-1-6
TRANSMISSION LUBE AND DISTRIBUTION TUBES	21-1-8
POWERSHIFT TRANSMISSION CLUTCH LAYOUT	21-1-10
POWERSHIFT VALVE CLUTCH ENGAGEMENTS	21-1-11
POWER FLOW (FORWARD SPEEDS)	21-1-12
POWER FLOW (REVERSE SPEEDS)	21-1-30
POWER FLOW (FORWARD CREEPER DRIVE SPEEDS)	21-1-34
POWER FLOW (REVERSE CREEPER DRIVE SPEEDS)	21-1-40
INCHING VALVE OPERATION	21-1-42
INSTRUMENTATION CLUSTER - TRANSMISSION LEAKAGE CHECK	21-1-46
MASTER CLUTCH PRESSURE CHECK	21-1-49
FRONT FRAME TO SPEED TRANSMISSION SPLIT	SECTION 21, CHAPTER 2
SPECIAL TOOLS	21-2-3
SPECIAL TORQUES	21-2-3
FRONT FRAME TO SPEED TRANSMISSION SPLIT	21-2-4

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

SPEED TO RANGE TRANSMISSION SPLIT	SECTION 21, CHAPTER 3
SPECIAL TOOLS	21-3-3
SPECIAL TORQUES	21-3-3
SPEED TO RANGE TRANSMISSION SPLIT	21-3-4
Removal	21-3-4
Installation	21-3-7
SPEED TRANSMISSION	SECTION 21, CHAPTER 4
SPECIFICATIONS	21-4-4
SPECIAL TORQUES	21-4-4
TROUBLESHOOTING AFTER SPEED TRANSMISSION REPAIR	21-4-4
SPECIAL TOOLS	21-4-5
SPEED TRANSMISSION WITH CREEP OPTION	21-4-6
ASSEMBLING THE COUNTERSHAFT WITH CREEPER SPEED CLUTCH	21-4-14
TRANSMISSION ASSEMBLY WITH CREEP OPTION	21-4-78
TRANSMISSION ASSEMBLY WITHOUT CREEP OPTION	21-4-80
RANGE TRANSMISSION TO REAR FRAME SPLIT	SECTION 21, CHAPTER 5
SPECIAL TOOLS	21-5-3
SPECIAL TORQUES	21-5-3
RANGE TRANSMISSION TO REAR FRAME SPLIT	21-5-4
Disassembly	21-5-4
Assembly	21-5-7
RANGE TRANSMISSION INCLUDING FWD CLUTCH/PARK BRAKE	SECTION 21, CHAPTER 6
SPECIFICATIONS	21-6-3
TROUBLESHOOTING AFTER RANGE TRANSMISSION REPAIR	21-6-3
SPECIAL TORQUES	21-6-3
SPECIAL TOOLS	21-6-4
RANGE TRANSMISSION	21-6-5
Removing the Shaft Master Clutch	21-6-5
Removing the Input Shaft, Countershaft and Mechanical Front Drive (FWD) / Park Brake Assembly	21-6-7
Disassembly of the Master Clutch	21-6-12
Exploded View of the Master Clutch	21-6-14
Assembly of the Master Clutch	21-6-15
Disassembly of the Range Transmission Input Shaft	21-6-16
Exploded View of the Range Transmission Input Shaft	21-6-22
Assembly of the Range Transmission Input Shaft	21-6-23
Cross-Section of Input Shaft	21-6-32
Disassembly of the Range Transmission Countershaft	21-6-33
Exploded View of the Range Transmission Countershaft	21-6-37
Assembly of the Range Transmission Countershaft	21-6-38
Front Wheel Drive (FWD) - Emergency Brake Disassembly	21-6-45
Exploded View of FWD and Emergency Brake	21-6-51
Assembly of the FWD / Emergency Brake	21-6-52
Exploded View of the Range Transmission Countershaft, Input Shaft, and FWD Input Shaft	21-6-66
Installing the Range Transmission Countershaft, Input Shaft, and FWD Input Shaft into the Range Transmission Housing	21-6-67
SETTING THE END PLAY OF THE RANGE TRANSMISSION COUNTERSHAFT AND INPUT SHAFT	21-6-73
Installing the Range Input Master Clutch	21-6-75
TRANSMISSION CONTROL VALVES AND INCHING VALVE	SECTION 21, CHAPTER 7
SPECIAL TORQUES	21-7-3
POWERSHIFT TRANSMISSION CONTROL VALVES	21-7-3
TRANSMISSION CONTROL VALVE CONFIGURATION	21-7-4
INCHING VALVE	21-7-15

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

REAR FRAME	SECTION 21, CHAPTER 8
SPECIFICATIONS	21-8-3
SPECIAL TORQUES	21-8-3
SPECIAL TOOLS	21-8-3
DIFFERENTIAL	21-8-4
Removal	21-8-4
Disassembly	21-8-10
PINION SHAFT	21-8-14
Removal and Disassembly	21-8-14
Assembly and Installation	21-8-16
DIFFERENTIAL ASSEMBLY	21-8-24
DIFFERENTIAL INSTALLATION	21-8-29
ADJUSTING THE DIFFERENTIAL PRELOAD	21-8-35
ADJUSTING THE RING AND PINION BACKLASH	21-8-37
BEVEL PINION AND GEAR TOOTH CONTACT CHECK	21-8-38
HYDRAULIC PUMP DRIVE	SECTION 21, CHAPTER 9
SPECIAL TORQUES	21-9-3
SPECIFICATIONS	21-9-3
PUMP DRIVE	21-9-3
Removal	21-9-3
Disassembly	21-9-4
Assembly	21-9-7
Installation	21-9-12
FRONT WHEEL DRIVE CONTROL SYSTEM - HOW IT WORKS	SECTION 25, CHAPTER 1
FRONT WHEEL DRIVE (FWD)	25-1-3
ELECTRONIC FRONT WHEEL DRIVE (FWD) CONTROL	25-1-5
FRONT WHEEL DRIVE (FWD) CONTROL MODES	25-1-7
FRONT WHEEL DRIVE (FWD) FUNCTIONAL TESTS	25-1-8
TROUBLESHOOTING	25-1-10
DIFFERENTIAL LOCK CONTROL SYSTEM - HOW IT WORKS	SECTION 25, CHAPTER 2
DIFFERENTIAL LOCK	25-2-3
ELECTRONIC DIFFERENTIAL LOCK CONTROL	25-2-5
DIFFERENTIAL LOCK CONTROL MODES	25-2-7
DIFFERENTIAL LOCK CONTROL	25-2-8
DIFFERENTIAL LOCK FUNCTIONAL TESTS	25-2-9
TROUBLESHOOTING	25-2-12
TROUBLESHOOTING	25-2-14
PTO/DIFFERENTIAL LOCK VALVE CIRCUIT	25-2-15
FRONT WHEEL DRIVE OUTPUT SHAFT	SECTION 25, CHAPTER 3
SPECIAL TORQUES	25-3-3
FWD OUTPUT SHAFT	25-3-4
FWD Output Shaft Removal	25-3-4
FWD Output Shaft Disassembly	25-3-5
FWD Output Shaft Assembly	25-3-9
FRONT WHEEL DRIVE DRIVE SHAFT	SECTION 25, CHAPTER 4
SPECIAL TORQUES	25-4-3
FWD DRIVE SHAFT	25-4-4

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

SUSPENSION FWD AXLE SYSTEM - HOW IT WORKS AND TROUBLESHOOTING ..SECTION 25, CHAPTER 5	
SUSPENDED FWD AXLE OPERATION	25-5-3
SUSPENDED MFD AXLE- CALIBRATION MODE	25-5-9
ERROR TABLE	25-5-11
SUSPENDED FWD AXLE- MANUAL OPERATION MODE (TEST MODE)	25-5-13
SUSPENDED FWD AXLE- DEMONSTRATION MODE	25-5-16
SUSPENSION FWD AXLE REMOVAL	SECTION 25, CHAPTER 6
SUSPENDED FWD AXLE	25-6-3
Removal	25-6-3
Installation	25-6-5
SUPERSTEER AXLE REMOVAL AND INSTALLATION	SECTION 25, CHAPTER 7
SPECIAL TORQUES	25-7-3
SPECIAL TOOLS	25-7-3
FRONT AXLE REMOVAL	25-7-4
FRONT AXLE INSTALLATION	25-7-7
LIMITED SLIP FWD DIFFERENTIAL	SECTION 25, CHAPTER 8
SPECIFICATIONS	25-8-2
SPECIAL TORQUES	25-8-2
SPECIAL TOOLS	25-8-2
DIFFERENTIAL CARRIER ASSEMBLY REMOVAL	25-8-3
DIFFERENTIAL DISASSEMBLY	25-8-4
Pinion Disassembly	25-8-8
DIFFERENTIAL ASSEMBLY	25-8-11
DIFFERENTIAL CARRIER ASSEMBLY	25-8-15
Pinion Position and Assembly	25-8-15
Shim Pack Thickness Chart	25-8-16
Setting The Pinion Depth	25-8-17
Adjusting Bearing Preload	25-8-20
DIFFERENTIAL INSTALLATION	25-8-22
Checking Backlash	25-8-23
Ring Gear and Pinion Tooth Pattern Interpretation	25-8-25
Installation of Carrier Assembly to Axle Housing	25-8-27
LOCKING FWD DIFFERENTIAL	SECTION 25, CHAPTER 9
SPECIFICATIONS	25-9-3
SPECIAL TORQUES	25-9-3
SPECIAL TOOLS	25-9-3
REMOVAL OF THE FRONT DIFFERENTIAL CARRIER ASSEMBLY	25-9-4
REMOVAL OF THE FRONT DIFFERENTIAL FROM THE CARRIER HOUSING	25-9-5
DISASSEMBLY OF THE DIFFERENTIAL	25-9-7
PINION DISASSEMBLY	25-9-9
ASSEMBLY OF THE DIFFERENTIAL	25-9-12
DIFFERENTIAL CARRIER ASSEMBLY	25-9-16
SETTING THE PINION DEPTH	25-9-18
ADJUSTING BEARING PRELOAD	25-9-21
DIFFERENTIAL INSTALLATION	25-9-23

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

FWD PLANETARY HUB, STEERING KNUCKLE AND AXLE DRIVE SHAFT	SECTION 25, CHAPTER 10
SPECIFICATIONS	25-10-3
SPECIAL TORQUES	25-10-3
SPECIAL TOOLS	25-10-3
PLANETARY HUB DISASSEMBLY	25-10-4
STEERING KNUCKLE AND KINGPIN DISASSEMBLY	25-10-9
AXLE DRIVE SHAFT DISASSEMBLY	25-10-13
AXLE SHAFT ASSEMBLY	25-10-14
KINGPIN ASSEMBLY	25-10-16
STEERING KNUCKLE ASSEMBLY	25-10-20
PLANETARY HUB ASSEMBLY	25-10-25
Ten Bolt Axle Only	25-10-30
Twelve Bolt Axle Only	25-10-34
All Axles	25-10-39
SUSPENSION FWD AXLE.....	SECTION 25, CHAPTER 11
SPECIAL TORQUES	25-11-2
SUSPENSION FWD AXLE	25-11-3
Disassembly	25-11-3
Assembly	25-11-13
Position Sensor Adjustment	25-11-25
SUPERSTEER AXLE VERTICAL CONTROL LINKAGE	SECTION 25, CHAPTER 12
SPECIAL TORQUES	25-12-3
VERTICAL LINK DISASSEMBLY AND REPAIR	25-12-3
Vertical Link Removal	25-12-3
Roller Replacement	25-12-4
Articulation Bearing Removal and Installation	25-12-5
REAR AXLE AND PLANETARIES	SECTION 27, CHAPTER 1
SPECIAL TOOLS	27-1-3
SPECIAL TORQUES	27-1-5
SPECIFICATIONS	27-1-5
GENERAL INFORMATION	27-1-5
REAR AXLE	27-1-6
AXLE HOUSING DISASSEMBLY	27-1-9
PLANETARY DISASSEMBLY	27-1-11
DIFFERENTIAL CARRIER SEAL REPLACEMENT	27-1-13
PLANETARY ASSEMBLY - THREE PIN	27-1-14
PLANETARY ASSEMBLY - FOUR PIN	27-1-15
AXLE HOUSING ASSEMBLY	27-1-18
HOW TO DETERMINE RAM PRESSURE	27-1-23
AXLE INSTALLATION	27-1-26
AXLE SEAL WEAR SLEEVE INSTALLATION (4-Inch Axle Only)	27-1-30
POWER TAKE OFF CONTROL SYSTEM - HOW IT WORKS	SECTION 31, CHAPTER 1
POWER TAKE OFF	31-1-3
ELECTRONIC PTO CONTROL	31-1-4
PTO SYSTEM CONTROL	31-1-7
PTO CONTROL MODES	31-1-8
PTO VALVE OIL SUPPLY	31-1-10
PTO DIFFERENTIAL LOCK VALVE	31-1-11
TROUBLESHOOTING	31-1-12

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

PTO CLUTCH ASSEMBLY - SINGLE, REVERSIBLE AND DUAL SPEED	SECTION 31, CHAPTER 2
SPECIAL TOOLS	31-2-3
SPECIAL TORQUES	31-2-3
PTO CLUTCH ASSEMBLY	31-2-4
General	31-2-4
PTO CLUTCH SERVICE	31-2-4
Removal	31-2-4
Disassembly	31-2-6
Assembly	31-2-16
Exploded View of PTO Clutch	31-2-16
Cross Section of PTO Clutch and Output Shaft Assembly	31-2-31
SINGLE SPEED REVERSIBLE SHAFT PTO	31-2-32
Disassembly	31-2-32
Assembly	31-2-35
Exploded View of PTO Output Shaft and Driven Gear Assembly	31-2-35
SINGLE SPEED REVERSIBLE SHAFT PTO DRIVEN GEAR	31-2-39
Removal	31-2-39
Assembly	31-2-41
Reversible PTO Output Shaft Bearing Adjustment	31-2-43
SINGLE SPEED REVERSIBLE SHAFT PTO	31-2-45
Cross Section of PTO Output Shaft Assembly	31-2-45
BRAKE VALVE	SECTION 33, CHAPTER 1
SPECIAL TORQUES	33-2-2
BRAKE VALVE	33-2-3
Removal	33-2-3
Disassembly	33-2-4
Assembly	33-2-6
Installation	33-2-8
BRAKE CYLINDERS	SECTION 33, CHAPTER 2
SPECIAL TORQUES	33-2-3
SPECIFICATIONS	33-2-3
BRAKE CYLINDERS	33-2-3
Disassembly	33-2-3
Assembly	33-2-5
HYDRAULIC SCHEMATIC POSTER - EUROPEAN	87518877
HOW TO READ SYMBOLS IN A HYDRAULIC SCHEMATIC	SECTION 35, CHAPTER 1
HOW TO READ SYMBOLS IN A HYDRAULIC SCHEMATIC	35-1-3
SIMPLE SCHEMATIC	35-1-13
COMMON SYMBOLS	35-1-15

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

HYDRAULIC SYSTEM - HOW IT WORKS WITH TROUBLESHOOTING	SECTION 35, CHAPTER 2
GENERAL INTRODUCTION	35-2-3
REAR CHARGE/LUBE PUMP PRESSURE TEST	35-2-19
REGULATED SYSTEM PRESSURE TEST AND ADJUSTMENT PROCEDURE	35-2-21
FRONT/REGULATED SYSTEM PUMP FLOW TEST	35-2-25
STEERING RELIEF PRESSURE TEST AND ADJUSTMENT PROCEDURE	35-2-27
STEERING SYSTEM PROBLEMS	35-2-29
PRIORITY AND REGULATOR VALVE	35-2-31
PFC AXIAL PISTON PUMP	35-2-34
PFC PUMP HIGH PRESSURE STANDBY CHECK AND ADJUSTMENT PROCEDURE	35-2-42
PFC PISTON PUMP FLOW TEST	35-2-43
PFC PISTON PUMP FLOW COMPENSATOR SETTING	35-2-44
STANDARD PUMP COMPENSATOR VALVE INSPECTION	35-2-46
PFC PUMP OPERATIONAL PROBLEMS	35-2-47
PTO AND DIFFERENTIAL LOCK VALVE.....	SECTION 35, CHAPTER 3
SPECIAL TORQUES	35-3-2
SPECIFICATIONS	35-3-2
PTO AND DIFFERENTIAL LOCK VALVE	35-3-3
REMOTE VALVE AND COUPLER SERVICE.....	SECTION 35, CHAPTER 4
SPECIAL TORQUES	35-4-2
REMOTE VALVE AND COUPLER SERVICE	35-4-3
REMOTE VALVE REMOVAL AND SERVICE	35-4-5
REMOTE COUPLERS	35-4-13
REMOTE HYDRAULIC SYSTEM - HOW IT WORKS AND TROUBLESHOOTING	SECTION 35, CHAPTER 5
REMOTE HYDRAULIC SYSTEM INTRODUCTION	35-5-3
REMOTE VALVE SYSTEM COMPONENTS	35-5-5
REMOTE VALVE SYSTEM CONTROLS	35-5-10
REMOTE VALVE OPERATION	35-5-14
REMOTE VALVE PROBLEMS AND WHERE TO LOOK	35-5-23
REMOTE VALVE PROPORTIONAL CURRENT CONTROL (PCC) SOLENOID OPERATION	35-5-25
REMOTE VALVE SYSTEM TESTING	35-5-26
REMOTE VALVE HIGH PRESSURE TEST	35-5-27
PFC PUMP HIGH PRESSURE STANDBY CHECK AND ADJUSTMENT PROCEDURE	35-5-28
PFC PISTON PUMP FLOW TEST	35-5-29
STANDARD PUMP COMPENSATOR VALVE INSPECTION	35-5-30
REMOTE VALVE SIGNAL CHECK AND HITCH SIGNAL CHECK	35-5-31
REMOTE VALVE COUPLER TEST	35-5-32
LOAD CHECK INSPECTION	35-5-33
OPERATIONAL PROBLEMS	35-5-34
PRIORITY AND REGULATOR VALVE	SECTION 35, CHAPTER 6
SPECIAL TORQUES	35-6-3
PRIORITY VALVE AND REGULATOR	35-6-4
Removal	35-6-4
Disassembly	35-6-6
Assembly	35-6-9
Installation	35-6-12
CROSS SECTION OF PRIORITY AND REGULATOR VALVE	35-6-14
CHARGE PUMP.....	SECTION 35, CHAPTER 7
Removal	35-7-3
Installation	35-7-4

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

PFC PISTON PUMP AND HYDRAULIC FILTER	SECTION 35, CHAPTER 8
SPECIAL TORQUES	35-8-3
PFC PISTON PUMP	35-8-3
Removal	35-8-3
Installation	35-8-4
HITCH SYSTEM - HOW IT WORKS	SECTION 35, CHAPTER 9
THREE POINT HITCH	35-9-3
ELECTRONIC HITCH CONTROL	35-9-4
ELECTRONIC HITCH CONTROL SYSTEM FEATURES	35-9-7
HITCH CONTROL VALVE	35-9-14
SETUP / ADJUSTMENT SEQUENCE	35-9-22
HITCH CONTROL VALVE	SECTION 35, CHAPTER 10
HITCH CONTROL VALVE	35-10-3
Removal	35-10-3
Disassembly	35-10-5
Assembly	35-10-7
Installation	35-10-9
HITCH CONTROL VALVE CROSS SECTION	35-10-11
TRACTOR HITCH	SECTION 35, CHAPTER 11
SPECIAL TORQUES	35-11-3
TRACTOR HITCH	35-11-3
EDC PIN ASSEMBLY	35-11-20
POTENTIOMETER (HITCH POSITION SENSOR)	35-11-21
CAM SWAY LIMITER	35-11-23
CAM BUMPERS FOR DRAFT ARM	35-11-25
DRAWBAR, HIGH VERTICAL CAPACITY	35-11-26
STEERING COLUMN AND STEERING HAND PUMP	SECTION 41, CHAPTER 1
SPECIAL TOOLS	41-1-2
SPECIAL TORQUES	41-1-3
STEERING COLUMN REMOVAL	41-1-3
STEERING HAND PUMP SERVICE	41-1-6
STEERING COLUMN ASSEMBLY	41-1-8
WHEEL TOE IN SETTING SUPERSTEER FWD AXLE	SECTION 41, CHAPTER 2
WHEEL TOE IN SETTING	41-2-3
WHEEL TOE IN SETTING DIAGRAM	41-2-9
SPECIAL TOOL LAYOUT DRAWINGS	41-2-10

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

A/C TROUBLESHOOTING	SECTION 50, CHAPTER 1
SAFETY PROCEDURES	50-1-5
SPECIAL TOOLS	50-1-6
A/C THERMAL OPERATION	50-1-7
A/C SYSTEM COMPONENTS	50-1-9
Cab HVAC Box Components - Automatic Temperature Control	50-1-9
Chassis Components	50-1-11
AUTOMATIC TEMPERATURE CONTROL (ATC) OPERATION	50-1-12
Operation Modes	50-1-15
Automatic Mode	50-1-15
Defog Mode	50-1-15
Automatic Operation Summary	50-1-16
Defog/Dehumidify Operation Summary	50-1-17
ATC Fault Codes	50-1-18
ATC Fault Code 111	50-1-18
ATC Fault Code 112	50-1-19
ATC Fault Code 115	50-1-19
ATC Fault Code 116	50-1-20
ATC Fault Code 120	50-1-20
ATC Fault Code 121	50-1-21
ATC Fault Code 122	50-1-21
ATC Fault Code 125	50-1-22
ATC Fault Code 126	50-1-22
ATC Fault Code 127	50-1-23
ATC Fault Code 128	50-1-23
ATC Fault Code 129	50-1-24
ATC Fault Code 130	50-1-24
ATC Fault Code 131	50-1-25
ATC Fault Code 132	50-1-25
ATC Fault Code 133	50-1-26
ATC Fault Code 134	50-1-26
Locating System Problems Without Fault Codes	50-1-27
Controller-Based Resistance Tests	50-1-27
ATC Controller Test (Connector J8 Test Points)	50-1-29
ATC Field Reported Symptoms/Causes	50-1-32
Compressor And Clutch	50-1-33
Operational Check	50-1-33
Electrical Test	50-1-36
Compressor Clutch Control Circuit Test Procedure	50-1-36
Service Note: Adjusting Clutch Air Gap	50-1-38
High And Low Pressure Switch Clutch Latching Circuit	50-1-39
Background	50-1-39
Possible Failure Modes - Fault Codes 129 and 134	50-1-40
Electrical Test	50-1-41
High Pressure Switch and Circuit Test	50-1-41
Low Pressure Switch and Circuit Test	50-1-42
Heater Control Valve	50-1-43
Operational Check	50-1-43
Electrical Test	50-1-44
Heater Control Valve Power, Signal and Ground Test	50-1-44
Blower Speed And Temperature Control Potentiometers	50-1-45
Background	50-1-45
Possible Failure Modes - Fault Codes 120, 121	50-1-45
Electrical Test	50-1-46
Common Control Potentiometer and Circuit Test Procedure	50-1-46

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

BLOWER AND BLOWER SPEED DRIVER	50-1-47
Background	50-1-47
Power, Signal and Ground Circuit	50-1-47
Possible Failure Modes	50-1-47
Blower Motor/Blower Driver Power, Signal and Ground Test	50-1-48
Cab And Evapator Temperature Sensors	50-1-49
Background	50-1-49
Electrical Test	50-1-51
Power Circuit	50-1-51
Possible Failure Modes - Fault Codes 111, 115 and 116	50-1-52
Cab Temperature Sensor and Circuit Test	50-1-53
Evaporator Temperature Sensor and Circuit Test	50-1-54
Controller Power, Ground, And ATC Switch	50-1-56
Background	50-1-56
Power and Ground Circuit	50-1-56
Possible Failure Modes	50-1-56
Controller Power Supply and Ground Test	50-1-56
ATC Switch and Circuit Test	50-1-57
Defog/Defrost Switch and Circuit Test	50-1-57
Cab Pressurizer Blower	50-1-58
Background	50-1-58
Power and Ground	50-1-58
Cab Pressurizer Blower & Relay Power Supply and Ground Test	50-1-58
ACCESSING THE HVAC BOX	50-1-59
STANDARD AIR CONDITIONING (STD) TROUBLESHOOTING	50-1-60
Standard A/C Operation	50-1-61
Smart Pressure Switch Cycling System	50-1-61
Standard A/C Controls and Their Function	50-1-62
Symptom-Based Standard A/C Troubleshooting	50-1-63
Standard Controller Test	50-1-65
Compressor And Clutch	50-1-67
Operational Check	50-1-67
Electrical Test – Compressor Clutch	50-1-70
Clutch Relay Power Supply and Ground Test	50-1-71
Service Note: Adjusting Clutch Air Gap	50-1-72
High And Low Pressure Switch Clutch Latching Circuit	50-1-73
Background	50-1-73
Possible Failure Modes - Flashing Pressure Warning Lamp	50-1-74
Electrical Test – Pressure Switches	50-1-75
High Pressure Switch and Circuit Test	50-1-75
Low Pressure Switch and Circuit Test	50-1-76
Heater Control Valve	50-1-77
Operational Check	50-1-77
Electrical Test	50-1-78
Temperature Control Potentiometer	50-1-79
Background	50-1-79
Electrical Test	50-1-79
Blower Speed Switch And Blower Motor	50-1-80
Background	50-1-80
Power and Ground Circuit	50-1-80
Possible Failure Modes	50-1-80
Blower Speed Switch and Power Circuit Test	50-1-81
Blower Motor Power, and Control Circuit Test	50-1-81

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

Evaporator Temperature Sensor	50-1-83
Background	50-1-83
Electrical Test – Sensor	50-1-83
Power Circuit	50-1-84
Service Note: Too Little Cooling/Too Much Heating without Symptoms	50-1-84
Evaporator Temperature Sensor and Circuit Test	50-1-84
Controller Power, Ground And A/C Switch	50-1-86
Background	50-1-86
Power and Ground Circuit	50-1-86
Possible Failure Modes	50-1-86
Controller Power Supply and Ground Test	50-1-86
A/C Switch and Circuit Test	50-1-87
Cab Pressurizer Blower	50-1-88
Background	50-1-88
Power and Ground	50-1-88
Cab Pressurizer Blower & Relay Power Supply and Ground Test	50-1-89

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

AIR CONDITIONER SYSTEM SERVICE.....	SECTION 50, CHAPTER 2
SPECIFICATIONS	50-2-4
SPECIAL TORQUES	50-2-4
SPECIAL TOOLS	50-2-4
SAFETY PROCEDURES	50-2-9
AIR CONDITIONER SYSTEM REFRIGERANT RECOVERY	50-2-10
RECOVERING PURE 134A REFRIGERANT	50-2-12
RECOVERING CONTAMINATED REFRIGERANT WITH OEM1691	50-2-16
Preparing the Tank	50-2-16
Recovery Process	50-2-20
AIR CONDITIONER SYSTEM EVACUATION AND RECHARGING	50-2-26
AIR CONDITIONING TEMPERATURE/PRESSURE CHART	50-2-33
A/C SYSTEM FLUSHING PROCEDURE	50-2-34
Required Tools	50-2-35
Precautions	50-2-36
Component Flushing Procedure with Power Flush 17550	50-2-37
Complete Circuit Flushing Procedure with Power Flush 17550	50-2-41
Back Flushing the Thermal Expansion Valve or Refrigerant Line	50-2-46
Post Flushing Procedures	50-2-48
Flushing Solvent Disposal	50-2-50
LEAK DETECTION	50-2-51
Electronic Testing with OEM1437	50-2-52
Fluorescent Leak Detection	50-2-53
Fluorescent Dye Injection	50-2-53
Fluorescent Leak Testing	50-2-59
A/C SYSTEM COMPONENTS	50-2-60
Cab HVAC Box Components - Automatic Temperature Control	50-2-60
Cab HVAC Components - Standard Systems	50-2-62
Chassis Components	50-2-64
A/C COMPRESSOR CLUTCH	50-2-65
Clutch Removal	50-2-65
Exploded View of Clutch	50-2-71
Compressor Clutch Replacement	50-2-71
A/C COMPRESSOR	50-2-79
Oil Level Check or Adjustment	50-2-79
Compressor Removal	50-2-82
Compressor Installation	50-2-85
CONDENSER AND RECEIVER-DRIER	50-2-87
Condenser	50-2-87
Receiver-Drier	50-2-88
ACCESSING THE HVAC BOX	50-2-90
THERMAL EXPANSION VALVE TESTING	50-2-92
THERMAL EXPANSION VALVE REPLACEMENT	50-2-93
EVAPORATOR AND CAB TEMPERATURE SENSOR LOCATION	50-2-95
BLOWER MOTOR REPLACEMENT	50-2-96
HEATER CONTROL VALVE REPLACEMENT	50-2-97
EVAPORATOR/HEATER ASSEMBLY	50-2-98
Evaporator/Heater Assembly Removal	50-2-98
Evaporator/Heater Assembly Installation	50-2-101
Post Replacement Procedures	50-2-104
EVAPORATOR/HEATER ASSEMBLY SEALING AND CLEANING	50-2-105
BLOWER AND EVAPORATOR REFERENCE ILLUSTRATION	50-2-106
CONTROLLER AND BLOWER SPEED DRIVER REPLACEMENT	50-2-107
ATC Controller	50-2-107
Standard A/C Controller	50-2-107
Blower Speed Driver (ATC Units Only)	50-2-108
CAB AIR FILTER SERVICE	50-2-109

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

CAB RECIRCULATION AIR FILTER SERVICE	50-2-110
CAB PRESSURIZATION TEST	50-2-111
CAB PRESSURIZER MOTOR REPLACEMENT	50-2-113
VISCOUS FAN DRIVE	50-2-116
ELECTRICAL SCHEMATIC POSTER - EUROPEAN	87389711
ELECTRICAL SYSTEM - HOW IT WORKS AND TROUBLESHOOTING	SECTION 55, CHAPTER 1
SPECIAL TOOLS	55-1-4
FUSES AND RELAY IDENTIFICATION	55-1-5
Cab Fuses/Relay Location	55-1-5
Engine Compartment Fuse/Relay Identification (Power Distribution Box)	55-1-5
Fuse Identification	55-1-6
Relays	55-1-7
INSTRUMENTATION AND CONTROLS	55-1-8
CONNECTOR AND COMPONENT LOCATIONS	55-1-12
ELECTRICAL CONNECTORS	55-1-34
ELECTRICAL SYSTEMS SCHEMATICS AND DIAGNOSTICS	55-1-141
Power Distribution System Circuit Operation	55-1-141
Power Distribution Circuit Troubleshooting	55-1-141
Power Distribution Schematic	55-1-141
POWER DISTRIBUTION SYMPTOM CHART	55-1-142
Diagnostic Tests	55-1-143
AUDIO SYSTEM	55-1-145
Audio System Circuit Operation	55-1-145
Audio System Circuit Troubleshooting	55-1-145
Audio System Symptom Chart	55-1-145
Audio System Diagnostic Tests	55-1-147
CHARGING SYSTEM	55-1-151
Charging System Circuit Operation	55-1-151
Charging System Circuit Troubleshooting	55-1-151
Charging System Symptom Chart	55-1-152
Charging System Diagnostic Tests	55-1-153
EXTERIOR LIGHTING SYSTEM	55-1-157
Exterior Lighting System Circuit Operation	55-1-157
Exterior Lighting System Circuit Troubleshooting	55-1-157
Exterior Lighting System Symptom Chart	55-1-158
Exterior Lighting System Diagnostic Tests	55-1-158
INSTRUMENTATION AND WARNING SYSTEM	55-1-163
Instrumentation and Warning System Circuit Troubleshooting	55-1-163
Instrumentation and Warning System Symptom Chart	55-1-163
Instrumentation and Warning System Diagnostic Tests	55-1-164
INTERIOR LIGHTING AND HORN SYSTEM	55-1-167
Interior Lighting and Horn System Circuit Operation	55-1-167
Interior Lighting and Horn System Circuit Troubleshooting	55-1-167
Interior Lighting and Horn System Symptom Chart	55-1-168
Interior Lighting and Horn System Diagnostic Tests	55-1-168
POWER MIRROR SYSTEM	55-1-172
Power Mirror Circuit Operation	55-1-172
Power Mirror Circuit Troubleshooting	55-1-172
Power Mirror System Symptom Chart	55-1-173
Power Mirror System Diagnostic Tests	55-1-175

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

POWER SEAT SYSTEM	55-1-184
Power Seat System Circuit Operation	55-1-184
Power Seat System Circuit Troubleshooting	55-1-184
Power Seat System Symptom Chart	55-1-185
Power Seat System Diagnostic Tests	55-1-186
STARTING SYSTEM	55-1-190
Starting System Circuit Operation	55-1-190
Starter Motor Circuit Troubleshooting	55-1-190
Starting System Symptom Chart	55-1-190
Starting System Diagnostic Tests	55-1-192
WIPER/WASHER SYSTEM	55-1-197
Wiper/Washer System Circuit Operation	55-1-197
Wiper/Washer System Circuit Troubleshooting	55-1-197
Wiper/Washer System Symptom Chart	55-1-198
Wiper/Washer System Diagnostic Tests	55-1-199
INSTRUMENTATION CONTROLLER FAULT CODES	SECTION 55, CHAPTER 2
FAULT CODE INST 1015	55-2-4
FAULT CODE INST 3010	55-2-6
FAULT CODE INST 3020	55-2-7
FAULT CODE INST 3022	55-2-7
FAULT CODE INST 5010	55-2-7
FAULT CODE INST 5011	55-2-8
FAULT CODE INST 10031	55-2-9
FAULT CODE INST 10032	55-2-9
FAULT CODE INST 10033	55-2-9
FAULT CODE INST 10034	55-2-10
FAULT CODE INST 10035	55-2-10
FAULT CODE INST 10036	55-2-10
FAULT CODE INST 10037	55-2-11
FAULT CODE INST 10038	55-2-11
FAULT CODE INST 11011	55-2-12
FAULT CODE INST 12011	55-2-13
FAULT CODE INST 12043	55-2-15
FAULT CODE INST 12051	55-2-17
FAULT CODE INST 12071	55-2-19
FAULT CODE INST 12091	55-2-21
FAULT CODE INST 12111	55-2-23
FAULT CODE INST 13010	55-2-25
FAULT CODE INST 13011	55-2-26
FAULT CODE INST 13012	55-2-27
FAULT CODE INST 13021	55-2-28
FAULT CODE INST 13022	55-2-29
FAULT CODE INST 13040	55-2-30
FAULT CODE INST 13051	55-2-31
FAULT CODE INST 13052	55-2-32
FAULT CODE INST 53001	55-2-33
FAULT CODE INST 53005	55-2-33
FAULT CODE INST 65535	55-2-33

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

AUX/HITCH/PTO FAULT CODES -

TRACTOR MULTI-FUNCTION (TMF) CONTROLLER	SECTION 55, CHAPTER 3
AUX/HITCH/PTO FAULT CODE 2	55-3-7
AUX/HITCH/PTO FAULT CODE 4	55-3-8
AUX/HITCH/PTO FAULT CODE 5	55-3-9
AUX/HITCH/PTO FAULT CODE 7	55-3-10
AUX/HITCH/PTO FAULT CODE 11	55-3-11
AUX/HITCH/PTO FAULT CODE 12	55-3-13
AUX/HITCH/PTO FAULT CODE 14	55-3-14
AUX/HITCH/PTO FAULT CODE 15	55-3-15
AUX/HITCH/PTO FAULT CODE 17	55-3-16
AUX/HITCH/PTO FAULT CODE 18	55-3-17
AUX/HITCH/PTO FAULT CODE 19	55-3-18
AUX/HITCH/PTO FAULT CODE 21	55-3-18
AUX/HITCH/PTO FAULT CODE 22	55-3-19
AUX/HITCH/PTO FAULT CODE 23	55-3-20
AUX/HITCH/PTO FAULT CODE 24	55-3-21
AUX/HITCH/PTO FAULT CODE 25	55-3-22
AUX/HITCH/PTO FAULT CODE 26	55-3-23
AUX/HITCH/PTO FAULT CODE 28	55-3-24
AUX/HITCH/PTO FAULT CODE 29	55-3-24
AUX/HITCH/PTO FAULT CODE 30	55-3-25
AUX/HITCH/PTO FAULT CODE 31	55-3-26
AUX/HITCH/PTO FAULT CODE 32	55-3-28
AUX/HITCH/PTO FAULT CODE 33	55-3-29
AUX/HITCH/PTO FAULT CODE 34	55-3-29
AUX/HITCH/PTO FAULT CODE 35	55-3-30
AUX/HITCH/PTO FAULT CODE 37	55-3-31
AUX/HITCH/PTO FAULT CODE 41	55-3-31
AUX/HITCH/PTO FAULT CODE 42	55-3-32
AUX/HITCH/PTO FAULT CODE 43	55-3-32
AUX/HITCH/PTO FAULT CODE 44	55-3-32
AUX/HITCH/PTO FAULT CODE 45	55-3-32
AUX/HITCH/PTO FAULT CODE 47	55-3-33
AUX/HITCH/PTO FAULT CODE 48	55-3-33
AUX/HITCH/PTO FAULT CODE 50	55-3-34
AUX/HITCH/PTO FAULT CODE 51	55-3-34
AUX/HITCH/PTO FAULT CODE 52	55-3-35
AUX/HITCH/PTO FAULT CODE 53	55-3-35
AUX/HITCH/PTO FAULT CODE 54	55-3-36
AUX/HITCH/PTO FAULT CODE 55	55-3-37
AUX/HITCH/PTO FAULT CODE 56	55-3-38
AUX/HITCH/PTO FAULT CODE 57	55-3-39
AUX/HITCH/PTO FAULT CODE 58	55-3-40
AUX/HITCH/PTO FAULT CODE 59	55-3-41
AUX/HITCH/PTO FAULT CODE 60	55-3-41
AUX/HITCH/PTO FAULT CODE 61	55-3-42
AUX/HITCH/PTO FAULT CODE 62	55-3-42
AUX/HITCH/PTO FAULT CODE 63	55-3-42
AUX/HITCH/PTO FAULT CODE 64	55-3-43
AUX/HITCH/PTO FAULT CODE 65	55-3-43
AUX/HITCH/PTO FAULT CODE 66	55-3-44
AUX/HITCH/PTO FAULT CODE 80	55-3-44
AUX/HITCH/PTO FAULT CODE 81	55-3-45
AUX/HITCH/PTO FAULT CODE 82	55-3-46
AUX/HITCH/PTO FAULT CODE 83	55-3-47
AUX/HITCH/PTO FAULT CODE 86	55-3-48

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

AUX/HITCH/PTO FAULT CODE 87	55-3-49
AUX/HITCH/PTO FAULT CODE 88	55-3-50
AUX/HITCH/PTO FAULT CODE 89	55-3-50
AUX/HITCH/PTO FAULT CODE 90	55-3-51
AUX/HITCH/PTO FAULT CODE 92	55-3-51
AUX/HITCH/PTO FAULT CODE 93	55-3-52
AUX/HITCH/PTO FAULT CODE 94	55-3-52
AUX/HITCH/PTO FAULT CODE 98	55-3-53
AUX/HITCH/PTO FAULT CODE 99	55-3-53
AUX/HITCH/PTO FAULT CODE 106	55-3-54
AUX/HITCH/PTO FAULT CODE 107	55-3-54
AUX/HITCH/PTO FAULT CODE 108	55-3-55
AUX/HITCH/PTO FAULT CODE 109	55-3-55
AUX/HITCH/PTO FAULT CODE 110	55-3-56
AUX/HITCH/PTO FAULT CODE 111	55-3-56
AUX/HITCH/PTO FAULT CODE 112	55-3-57
AUX/HITCH/PTO FAULT CODE 113	55-3-58
AUX/HITCH/PTO FAULT CODE 114	55-3-59
AUX/HITCH/PTO FAULT CODE 115	55-3-60
AUX/HITCH/PTO FAULT CODE 116	55-3-61
AUX/HITCH/PTO FAULT CODE 120	55-3-62
AUX/HITCH/PTO FAULT CODE 123	55-3-62
AUX/HITCH/PTO FAULT CODE 124	55-3-63
AUX/HITCH/PTO FAULT CODE 125	55-3-64
AUX/HITCH/PTO FAULT CODE 126	55-3-65
AUX/HITCH/PTO FAULT CODE 127	55-3-66
AUX/HITCH/PTO FAULT CODE 128	55-3-67
AUX/HITCH/PTO FAULT CODE 129	55-3-68
AUX/HITCH/PTO FAULT CODE 130	55-3-69
AUX/HITCH/PTO FAULT CODE 131	55-3-70
AUX/HITCH/PTO FAULT CODE 132	55-3-71
AUX/HITCH/PTO FAULT CODE 133	55-3-72
AUX/HITCH/PTO FAULT CODE 134	55-3-73
AUX/HITCH/PTO FAULT CODE 135	55-3-74
AUX/HITCH/PTO FAULT CODE 136	55-3-75
AUX/HITCH/PTO FAULT CODE 137	55-3-76
AUX/HITCH/PTO FAULT CODE 138	55-3-77
AUX/HITCH/PTO FAULT CODE 139	55-3-78
AUX/HITCH/PTO FAULT CODE 140	55-3-79
AUX/HITCH/PTO FAULT CODE 141	55-3-80
AUX/HITCH/PTO FAULT CODE 142	55-3-81
AUX/HITCH/PTO FAULT CODE 147	55-3-82
AUX/HITCH/PTO FAULT CODE 148	55-3-82
AUX/HITCH/PTO FAULT CODE 149	55-3-83
AUX/HITCH/PTO FAULT CODE 150	55-3-83
AUX/HITCH/PTO FAULT CODE 151	55-3-84
AUX/HITCH/PTO FAULT CODE 152	55-3-86
AUX/HITCH/PTO FAULT CODE 153	55-3-86
AUX/HITCH/PTO FAULT CODE 154	55-3-87
AUX/HITCH/PTO FAULT CODE 155	55-3-87
AUX/HITCH/PTO FAULT CODE 156	55-3-88
AUX/HITCH/PTO FAULT CODE 157	55-3-88
AUX/HITCH/PTO FAULT CODE 158	55-3-89
AUX/HITCH/PTO FAULT CODE 159	55-3-89
AUX/HITCH/PTO FAULT CODE 160	55-3-90
AUX/HITCH/PTO FAULT CODE 161	55-3-91
AUX/HITCH/PTO FAULT CODE 162	55-3-92



Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

Thank you so much for reading

T8010/T8020/T8030/T8040 MASTER TABLE OF CONTENTS

AUX/HITCH/PTO FAULT CODE 163	55-3-93
AUX/HITCH/PTO FAULT CODE 164	55-3-94
AUX/HITCH/PTO FAULT CODE 165	55-3-95
AUX/HITCH/PTO FAULT CODE 166	55-3-96
AUX/HITCH/PTO FAULT CODE 167	55-3-97
AUX/HITCH/PTO FAULT CODE 168	55-3-98
AUX/HITCH/PTO FAULT CODE 169	55-3-99
AUX/HITCH/PTO FAULT CODE 170	55-3-100
AUX/HITCH/PTO FAULT CODE 171	55-3-101
AUX/HITCH/PTO FAULT CODE 172	55-3-101
AUX/HITCH/PTO FAULT CODE 173	55-3-102
AUX/HITCH/PTO FAULT CODE 174	55-3-103
AUX/HITCH/PTO FAULT CODE 175	55-3-104
AUX/HITCH/PTO FAULT CODE 178	55-3-106
AUX/HITCH/PTO FAULT CODE 179	55-3-107
AUX/HITCH/PTO FAULT CODE 180	55-3-108

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>