TOTAL360

COVERED COMPONENTS

COVERED COMPONENTS	TIER 1	TIER 2	TIER 3
Engine	✓	✓	✓
Transmission	✓	✓	✓
Differential	✓	✓	✓
Turbo		✓	✓
Aftertreatment		✓	✓
Engine Accessory		✓	✓
Electrical		✓	✓
Cabin Comfort			✓
Steering			✓
Suspension			✓
Brakes			✓
APU (add-on)			
Hydraulics (add-on)			

HEAVY DUTY TRUCKS **TERM OPTIONS & LIMITS OF LIABILITY**

6 Months		Unlimited Miles/KM			
Total Aggregate Limits of Liability					
TIER 1 : \$17,500		Tier 2: \$30,000			
12-48 Months		Unlimited Miles/KM			
Total Aggregate Limits of Liability					
TIER 1 : \$35,500	TIE	R 2: \$65.0	000	TIER 3: \$100.000	

MEDIUM DUTY TRUCKS

TERM OPTIONS & LIMITS OF LIABILITY



FNGINF Internally Lubricated Parts Including:

- · Connecting Rods
- Connecting Rod & Main Bearings
- Constant Velocity Valve
- Crankshaft
- Cylinder Liners*
- Engine Block*
- Main Thrust Washers
- Pistons

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EP

- Piston Rings
- Timing Chain & Gears
- Timing Chain Tensioners
- Timing Gear Cover
- Wrist Pins

LUBRICATING SYSTEM

- Oil Pan
- · Oil Cooler & Housing
- Oil Pump Housing & Gears
- Oil Pump Pick Up Screen & Tube
- Oil Pump Pressure Relief Springs & Valves
- Piston Oil Cooling Jets

OVERHEAD COMPONENTS

- Cam Followers
- Camshaft
- Camshaft Bearings
- Cvlinder Head*
- Hydraulic Lifters

- Intake/Exhaust Valves
 Intake/Exhaust Valve Guides
- Pushrods
- Rocker Arms
- Rocker Arm Shafts
- Valve Keepers (locks)
- Valve Retainers
- Valve Springs Valve Cover

RELATED ITEMS

- Exhaust Manifold
- Flywheel Housing
- Intake Manifold
- · Vibration Dampener

DIFFERENTIAL(S)

Internally Lubricated Parts Includina:

- Axle Shafts
- Bearings
- Bushings
- Carrier Case Gear Sets
- Limited Slip Clutch Pack
- Power Divider Bearings
- Gears
- Shafts
- Shift Fork
- Differential Housing*

TRANSMISSION

Internally Lubricated Parts of the Manual

- or Automatic Transmission Including:
- Rands
- Bearings • Blockers
- Bushings
- Gear Sets
- Input Shaft
- Shaft(s)

- Thrust Washers
- Transmission Case*
- Valve Body

ENGINE Internally Lubricated Parts Including: TRANSMISSION · Balance & Timing Belt FAN/FAN DRIVE ASSEMBLIES

Tensioners

OVERHEAD COMPONENTS

- Variable Valve
- Camshaft Adjuster

- Fan Clutch Fan Group

RADIATOR

STARTER

Boot

Coil

Radiator

Armature

Bearings

Brushes

Bushings

Jumper

Magnet

Plunger

Brush Holder

Commutator

• Harmonic Balancer

DIFFERENTIAL(S) Internally lubricated parts including:

Belt TightenersFan Blades & Shroud

• Thrust Washer(s)

ENGINE ACCESSORY COOLING SYSTEM

- Alternator · Charge Air Cooler
- Engine ThermostatEngine Thermostat Housing

FUEL PUMPS

- Fuel Injection Pump
- Fuel Lift Pump
- Fuel Prime Pump
- Fuel Transfer Pump High/Low-Pressure Fuel

FUEL INJECTORS

- Failed Injectors
- Failed Injector Cups
- *Fuel Injector Tubes & Seals
- Fuel injector Hard Lines
- Fuel Intake Manifold

SENSORS- AFTERTREATMENT

 Solenoid · Starter Drive Gear

· Drive Assembly Insulator

Motor Shaft Lever & Spring

TURBOCHARGER(S)

- Actuator
- Bearings • Internal Variable Vane
- Assembly
- Turbines
- Turbine Shaft
- · Turbocharaer Housina
- VPOD Wastegate

WATER PUMP**

- Bearings
- Housing

- Impeller
- Seals Water Manifold

DIESEL EXHAUST FLUID SYSTEM

- (DEF) Heated Lines
- (DEF) Heater Control Relay • (DEF) Heater Coolant

- (DEF) Module

- Diesel Particulate Filter (DPF)
- DPF Air/ Fuel/ Coolant Lines
 DPF Air/ Fuel/ Manifold
- Assembly
 DPF Dosing Module

- Hydrocarbon Doser Injector (HC Doser, 7th Injector, ARD, AHI Module)

ELECTRICAL

- Electronic Control Module (ECM) Includes the ECM Unit
- Aftertreatment Regeneration Flame Detection Temperature
- Sensor
- ASM Sensor
- Back Pressure Valve Pressure Sensor
- Catalytic Converter (downstream) NOX Sensor Catalytic Converter (upstream) NOX Sensor
- Catalytic Reduction Actuator (downstream) Temperature
- Catalytic Reduction Actuator (upstream) Temperature Sensor Catalytic Reduction Actuator Temperature/Fill Level Sensor
- Clean Gas Induction (CGI) Cooler Temperature Sensor

- Compensation Sensor
- Delta P Sensor
- Diesel Exhaust Fluid (DEF) Temperature Sensor
- Diesel Exhaust System Nitrogen Oxide (NOx) Sensor Diesel Oxidation Catalyst (DOC) Gas Temperature
- Sensor
- Diesel Oxidation Catalyst (DOC) Pressure Sensor
- Doser Valve Pressure Sensor Exhaust Aftertreatment Fuel Control Module Sensor
- Exhaust Aftertreatment Particulate Trap Differential
- Exhaust Aftertreatment Pressure Sensor • Exhaust Back Pressure Sensor
- Exhaust Gas Recirculation (EGR) Position Sensor Exhaust Gas Recirculation (EGR) Pressure Sensor

- Drums

- Shift Forks
- Synchronizers
- Torque Converter

Internally lubricated parts of the Manual or Automatic transmission including:

• Clutch*

AFTERTREATMENT

- Control Valve
- (DEF) Heating Elements (DEF) Heating Fittings
- (DEF) Injection Nozzle
- (DEF) Pump

(DEF) Tank

- **DIESEL PARTICULATE**

- HYDROCARBON DOSER SYSTEM
- Diesel Oxidation Catalyst (DOC)
- Hydrocarbon Doser Valve Air/Fuel/Coolant Lines & Inline Air Filter
 Hydrocarbon Doser Valve (Voss Valve)

- After Treatment Control Module (ACM)
- Back Pressure Valve Temperature Sensor
- Burner Flame Temperature Sensor
- Catalytic Converter Temperature Sensor
- Catalytic Reduction Actuator Temperature/Moisture Sensor Clean Gas Induction (CGI) Cooler Combustion Air Delta Sensor
 Clean Gas Induction (CGI) Cooler Pressure Sensor

- Diesel Exhaust Fluid (DEF) Tank Fill Level Sensor
- Diesel Exhaust Fluid (DEF) Quality Sensor
- Diesel Particulate Filter Ammonia Sensor
- Pressure Sensor
- Exhaust Gas Recirculation (EGR) Monitor Sensor

- Governor
- Oil Pump

XY Shifter

- - **EXHAUST GAS RECIRCULATION (EGR)****
 - BPV Actuator BPV (Back Pressure Control Valve)
 - EGR Actuator
 - EGR Connecting Bellows & Clamps EGR Cooler(s)
 - EGR Cooler Lines
 - Exhaust Piping/ Clamps/ Gaskets Exhaust Throttle Valve

EGR Valves

- SELECTIVE CATALYTIC REDUCTION (SCR) Decomp Pipe/Elbows

Selective Catalytic Reduction

(SCR) Catalyst • Selective Catalytic Reduction

• Exhaust Gas Temperature Sensor

· Metering Device Pressure Sensor

Nitrogen Oxide (NOx) Sensor(s)

Metering Sevice Temperature Sensor

Output Exhaust Gas Pressure Sensor

• Exhaust Temperature Sensor

• Input Exhaust Gas Sensor

Exhaust Soot Sensor

Humidity Sensor

Sensor

• Exhaust Oxygen (O2/Lambda) Sensor

· Metering Device Compressed Air Pressure

• Particulate Soot/Matter Sensor (PM Sensor)

• Selective Catalytic Reduction Temperature

· Selective Catalytic Reduction Air Intake

• Selective Catalytic Reduction System

• Upstream DPF Temperature Sensor

ENGINE

Internally Lubricated Parts Including:

- Head Bolts*
- Valve Seats*
- Valve Stem Seals*

RELATED ITEMS

- Cylinder Heads**
- Cylinder Liners**
- Engine Block**
- Engine Mounts**
- Flywheel Housing Gasket
- Front Crank Seal
- · Front Housing Gasket
- Head Gasket**
- Intake Manifold Gasket
- Rear Main Seal

TRANSMISSION

Internally lubricated parts:

- Encoder Motor**
- Power Take-Off**
- Transmission Oil Cooler** Vacuum Modulator**

Air Intake Temperature SensorAir Pressure Sensor Misfire Sensor

Ambient Air Temperature Sensor
Atmosphere/Ambient Pressure

Camshaft Speed SensorCentrifugal Crankcase Oil Separator

Cylinder Head Temperature Sensor

• Electronic Engine Controls Humidity

Camshaft Position Sensor

Compressor Inlet Sensor

Crankshaft Position Sensor

Crankcase Pressure Sensor

• ECM Manifold Pressure Sensor

• Engine-Brake Control Pressure

• Engine Oil Temperature Sensor

Engine Position/Timing Sensor

Front Cover Exhaust Temperature

Intake Manifold Temperature Sensor

Temperature/Pressure Sensor

Intake Valve Actuator Oil Pressure

Multiple Functions Temperature

Oil Breather Centrifuge Speed

Position Not Specified Multiple

Shutterstat Temperature Sensor

Synchronous Reference Sensor

Control Sensor

Throttle Input Absolute Pressure

• Temperature Climatic Combustion

• Engine Oil Pressure Sensor

Intake Manifold Sensor

Intake Manifold

Knock Sensor

Mass Air Flow Sensor

Optimized Idle Sensor

Piston Coolant Sensor

STC Viscosity SensorSwirl Flap Position Sensor

Timing Reference Sensor

Wideband Oxygen Sensor

Vehicle Speed Sensor

Usage Sensor

• Crankshaft Speed Sensor

(CCOSS) Sensor

Viscous Coupling**

ELECTRICAL

ENGINE

Sensor

Sensor

Sensor

Sensor

Sensor

Sensor

DIFFERENTIAL(S)

Internally lubricated parts including:

DRIVE SHAFT

- Driveshaft**
- Driveshaft Center Support Bearing**
- Driveshaft Yolks**
 Flex Disc(s)**

ENGINE ACCESSORY

• Engine Air Compressor

FUEL INJECTORS

- Fuel Governor
- · Fuel Pressure Regulator Fuel Sender Assembly
- Fuel Tank

DIFFERENTIAL(S)

Sensor

Sensor

TRANSMISSION

Level Sensor

Speed Sensor

Sensor

Sensor

Sensor

Actuator Sensor

Axle Temperature Sensor
 Differential Lock Power Switch

Power Divider Differential Lock

Automation Controls Hydraulic Fluid

Automated Transmission Countershaft

Automated Transmission Gear Select

· Automated Transmission Clutch

· Automatic Transmission Oil Level

• Automatic Transmission Oil Pump

• Automatic Transmission Pressure

Automated Transmission Rotary

Automatic Transmission Speed

• Automatic Transmission Range Sensor

• Automatic Transmission Speed Sensor

Automatic Transmission Temperature

· Automated Transmission XY Shifter

Speed Converter Sensor

Temperature Sensor

Transducer Sensor

Converter Sensor

Position Sensor

· Line Pressure Sensor

Oil Heater Sensor

Overlay Sensor

Rail Select Sensor

Output Speed Sensor

Turbine Speed Sensor

Input Sensor

Load Sensor

(dual) Position Sensor

Input Shaft Speed Sensor

· Main Shaft Speed Sensor

Manual Lever Position Sensor

Output Housing Speed Sensor
 Output Shaft Speed Sensor

• Transmission Speed Sensor

Transmission Low Air Pressure Sensor

• Automated Transmission Oil

COOLING SYSTEM

- Coolant Recovery Tank
- Coolant Surge Tank
- Radiator Brackets**

FUEL

· Air/Fuel Ratio Sensor

Fuel Pressure Sensor

• Fuel Pump Speed Sensor

Fuel Rack Position Sensor

· Fuel Tank Fuel Level Sensor

Fuel Tank Pressure Sensor

Fuel Tank Vacuum Sensor

• Fuel Temperature Sensor

Coolant Pump Speed Sensor
Charge Air Cooler Air Pressure

Temperature Sensor

· Fan Speed Sensor

Low Coolant Sensor

Charge Air Cooler Air Pressure &

Circuit-Breaking Thermostat Sensor
 Engine Coolant Temperature Sensor
 Fan Clutch Thermostat Sensor

• Radiator Fan Temperature Sensor

STEERING SUSPENTION BRAKES

· Driven Wheel Speed Sensor

· Boost Pressure Sensor

Pre-Turbo Pressure Sensor

Throttle Plate Position (TPS) Sensor

Turbocharger Boost SensorTurbocharger Temperature Sensor

Turbocharger Turbine Speed Sensor
 Turbocharger Vane Position Sensor

• Turbocharger Wastegate Sensor

Rail Pressure Sensor

COOLING SYSTEM

Sensor

TURBO

Fuel/Water Separator Sensor
 Gaseous Fuel Leak Detection Sensor

• Injection Control Pressure (ICP) Sensor

CABIN COMFORT

- AC Pressure Switches
- Accumulator
- · Condenser & Condenser Fan Motor
- Expansion Valve
- Evaporator
- HVAC Heater core
- HVAC Temperature Control Head
- · Idler Pulley & Bearings
- Orifice Tube
- · Serpentine Belt Tensioner • Temperature Control Valve

HVAC AIR COMPRESSOR

Air Compressor Mounting Bracket***

HVAC BLOWER MOTOR

- Blower Motor Resistor
- Plenum Blower Case

CABIN HVAC

- Control Cables
- Defrost Assembly
- · Refrigerant in conjunction with a covered repair • Ductwork***
- Lines***

SUSPENSION

- 4WD Engagement Actuators4WD Manual Locking Hubs
- Air Suspension Bag or Springs
- Coil Springs
- Constant Velocity Joint & Boot
 Electronically Controlled Variable
- Suspension Struts & Switches
- Leaf Springs: Shackles & Bushings
- Wheel Hub & Wheel Bearings
- Steering Knuckles & Spindles

MODULES

Module

Module

Receiver

• Ignition Coil

Cab Alarm

Transmitter

Amplifier

Tape Player

Activators

Motors

Power Seat

Motor

Relay

Switch

Track Assembly

Module

Sensors

Switches

Control module

Factory-Installed Radio

Memory Steering Wheel

• Dash-Mounted CD Player

Horn

Relay

Switch

Power Mirror Motors

Spark Plug Wires
 Wiper Motor

ADDITIONAL ITEMS

· Engine distributor

Air Ride Suspension ECU Control

Control Arm Active Suspension

Electronic Ignition Control Module
 Fuel Injection Control Modules

Transfer Case Control Module

Transmission Auto Shift Module

Antilock Brake System (ABS)

Electronic Control Unit

Cruise Control Assembly

• Transmission ECU Module

· Shift Selector Module

• Transmission Gear Module

Transmission Power Interface

Collision Avoidance System

Factory Keyless Entry Transmitter &

Global Positioning System (GPS)
Heads Up Display (HUD)
Heated Seat Grids

Factory-Installed Anti-Theft Devices:

Control Module

Torsion Bars & Struts

SUSPENSION

Bushings

• Shaft(s)

Stabilizer Bar:

Bushings

Links

Linke

- Upper/Lower Control Arm: Ball Joints
- Compressor Clutch & Pulley

- Blower Motor Fan,

- Receiver Drier

MANUAL SWITCHES

· Air Horn Switch

Switch

Switch

Switch

Switch

Switch

GUAGES

Air Pressure Gauge Signal Switch
 Air Restriction Switch

Differential Lockout Indicator Lamp

Door Jamb Switches
 Driver Information Display Mode Switch

Driver Information Display Set Switch
 Electric Door Lock Actuators

· Engine Metal Temperature Indicator

· High Water Temperature Warning

• Low Fuel Warning Indicator Switch

Manifold Vacuum Gauge Switch

Multi-Function Stalk Lever Switch

Power Seat Motors & Relays

• Low Hydraulic Pressure Signal Switch

· Parking Brake Indicator Lamp Switch

Power Steering Pressure Differential

Propane Cylinder Cradle Latch Indicator

Axillary Transmission Temperature Gauge

Brake Saver Oil Temperature Gauge

Fuel Gauge
Front/Rear/Steer/Center Drive Axle Oil

• Power Window Motors & Relays

Starter Solenoid Switch
 Traction Control Rocker Switch

Windshield Wiper Control Switch

Window Washer Fluid Pumps
 Wiper Motor Relay

Axle Oil Temperature Gauge

• Engine Temperature Gauge

Temperature Gauge

· Oil Temperature Gauge

Water Temperature Gauge

Instrument Cluster

Tachometer

• Dash Unit Temperature Gauge

Outside Air Temperature Gauge

Transmission Temperature Gauge
Voltage Regulator & Gauge

Traction Control Switch

Instrument Panel On/Off Pre-Trip Light

• Fuel Tank Selector Switch

Override Switch

Oil Pressure Switch

• Engine Coolant Temperature Indicator

STEERING

- Bearings*
- Couplings*
- Idler Arm*
- Intermediate Shaft Pitman Arm*
- Mounting Brackets*
- Steering Column Shaft*
- Steering Relay Arm*
- Tie Rods & Ends*

STEERING

- · Bearing Kit & Housing, · Electric Steering Assist Motor
- · Steering Gear Linkage Bellows

Power Steering Pump

- Power Cylinder Hose Assembly

WIRING HARNESS

- Air Horn Wiring Harness

- Trip Odometer Wiring Harness

Engine

- Engine Air Temperature Sensor Wiring Harness
 Engine Solenoids/Sending Units Wiring Harness

- Speed Sensor Wiring Harness
- Transmission Oil Pump Wiring Harness
- Transmission Master Wiring Harness
- Transmission Shift Control Valve Wiring Harness
- Transmission Shift Control Wiring Harness
- Transmission Wiring Harness

• Rear Axle Traction Control Wiring Harness

Engine Accessory

- Throttle Body Wiring Harness

Aftertreatment

- Harness
- Harness
- · Aftertreatment Control Module to Tank Heater Solenoid Valve
- Aftertreatment Module to Sensors Wiring Harness
- Ambient Air Temperature Sensor Wiring Harness
- DEF System Wiring Harness
- DEF Tank Level Sensor Jumper Harness
- DEF Tank Pump Wiring Harness
- ECM Harness
- EGR Pressure Sensor Wiring Harness

- **BRAKES** Exciter
- Equalizer & Distributing Valve
- High-Pressure Hydraulic Pump
- Master Cylinder
- Proportioning Control Valves
 Vacuum or Hydro Booster
- Wheel Cylinders

Rack & Pinion:

- Rack Gear
- Steering Gear

• Reservoir

- Security System Wiring Harness
- Speedometer Wiring Harness

- Engine Wiring Harness
- · Automatic Transmission
- Power Shift Control Wiring Harness

- Aftertreatment Control Module to Air Control Unit Wiring
- · Aftertreatment Control Module to Metering Device Wiring
- Harness
- Diesel Particulate Filter (DPF) Jumper Harness
- EGR Valve Wiring Harness
 Exhaust Aftertreatment Device Wiring Harness

- Distance Sensor Wiring Harness

- Transmission
- Main Wiring Transmission Harness
- Shift Tower Wiring Harness
- Transmission Range Selector Wiring Harness

- Differential

- Engine Accessory

 ECU Wiring Harness
 Electronic Engine Control Wiring Harness
 Electronic Injectors Wiring Harness
 Electronic Injectors Wiring Harness
 Fuel Pump Wiring Harness
 Intake Manifold Temperature Sensor Wiring Harness
 Tank Fill Level Indicator to Tank Fill Level Gauge Wiring Harness

- Aftertreatment Control Module to Pump Wiring Harness Aftertreatment Control Module to Tank Fill Level Indicator Wiring
- Wiring Harness

- Exhaust Gas Temperature Sensor Wiring Harness