

# PowerGard

## Covered Component – Tractors (incl. Compact Utility Tractors)

Valid from 01.11.2016



|                           | Component   | PowerGard Protection | PowerGard Protection Plus |
|---------------------------|---|----------------------|---------------------------|
| <b>Engine</b>             | <b>Basic Engine</b>   | ✓                    | ✓                         |
|                           | Crankshaft, Bearings, Flywheels and Vibration Dampers   | ✓                    | ✓                         |
|                           | Camshaft, Valve Actuating Means, Timing Gears & Covers  | ✓                    | ✓                         |
|                           | Pistons and Rods  | ✓                    | ✓                         |
|                           | Cylinder Block, Cylinder Head, Liners and Seals   | ✓                    | ✓                         |
|                           | Engine Balancers  | ✓                    | ✓                         |
|                           | Engine Oiling System w/Pan  | ✓                    | ✓                         |
|                           | Crankcase Ventilating System  | ✓                    | ✓                         |
|                           | Exhaust Manifold  | ✓                    | ✓                         |
|                           | Intake Manifold   | ✓                    | ✓                         |
|                           | Engine Electrical System (less Alternator & Regulator)  | ✓                    | ✓                         |
|                           | Water Pump  | ✓                    | ✓                         |
|                           | Engine Oil Cooler   | ✓                    | ✓                         |
|                           | Thermostats, Housings and Piping  | ✓                    | ✓                         |
|                           | Turbo-Charger   | ✓                    | ✓                         |
|                           | Fuel Injection System   | ✓                    | ✓                         |
|                           | Fuel Transfer Pumps (Other than Electric Fuel Pumps)  | ✓                    | ✓                         |
| <b>Engine Auxiliaries</b> | <b>Intake &amp; Exhaust System</b>  |                      | ✓                         |
|                           | Muffler and Exhaust Pipes   |                      | ✓                         |
|                           | Exhaust Filter (including Diesel Oxidation Catalyst DOC, but without Diesel Particulate Filter DPF) |                      | ✓                         |
|                           | Air Cleaner & Intake System   |                      | ✓                         |
|                           | Engine Intercooler, Aftercooler   |                      | ✓                         |
|                           | Starting Aid  |                      | ✓                         |
|                           | <b>Engine Electrical Parts</b>  |                      | ✓                         |
|                           | Regulator & Alternator  |                      | ✓                         |
|                           | Engine Coolant Heater   |                      | ✓                         |
|                           | Starter   |                      | ✓                         |
|                           | <b>Engine Cooling System</b>  |                      | ✓                         |
|                           | Radiators and Expansion Tank  |                      | ✓                         |
|                           | Radiator Fan and Drive  |                      | ✓                         |
|                           | Radiator Air Screen System  |                      | ✓                         |
|                           | <b>Fuel Supply System</b>   |                      | ✓                         |
|                           | Fuel Tank, Cap, Vent & Fittings   |                      | ✓                         |
|                           | Electric Fuel Supply Pump   |                      | ✓                         |
| <b>Electrical</b>         | <b>Electrical Systems</b>   |                      | ✓                         |
|                           | Alternator, Generator and Regulator   |                      | ✓                         |
|                           | Wiring Harnesses  |                      | ✓                         |
|                           | Lighting System   |                      | ✓                         |
|                           | Controllers and Circuit Boards  |                      | ✓                         |
|                           | Switches, Sensors and Potentiometers  |                      | ✓                         |
|                           | CAN BUS Terminators   |                      | ✓                         |
|                           | Solenoids   |                      | ✓                         |
|                           | Electric Motors (for e.g. 3-point hitch)  |                      | ✓                         |
|                           | Radar   |                      | ✓                         |

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|---|---|----------------------|---------------------------|
| Power Train   | Transmission, Differential, PTO, Axles and Final Drives   | ✓                    | ✓                         |
|   | Transmission Case   | ✓                    | ✓                         |
|   | Transmission Gears, Shafts, Bearings and Wet Clutches     | ✓                    | ✓                         |
|   | Transmission Regulating Valves                            | ✓                    | ✓                         |
|   | Transmission Oil Pumps and Hydrostat Unit                 | ✓                    | ✓                         |
|   | Differential and Drive Shafts                             | ✓                    | ✓                         |
|   | Differential Case, Differential Lock and Control Valve    | ✓                    | ✓                         |
|   | PTO Wet Clutches, Shafts and Joints                       | ✓                    | ✓                         |
|   | PTO Control Valve   | ✓                    | ✓                         |
|   | Rear and Front Axles, Final Drives & Housings             | ✓                    | ✓                         |
|   | Drive Lines, Couplers & U-Joints                          | ✓                    | ✓                         |
|   | Transmission Oil Coolers                                  | ✓                    | ✓                         |
|   | Steering and Brakes                                       | Wet Brake Components | ✓                         |
| Brake Systems                                       |   |                      | ✓                         |
| Brake Valve, Associated Parts and Brake Linkages    |   |                      | ✓                         |
| Park Brake, Secondary/Auxiliary Brake (Mechanical)  |   |                      | ✓                         |
| Trailer Brake Activation Components (Hydraulic/Air) |   |                      | ✓                         |
| Steering  |   | ✓                    | ✓                         |
| Steering Pump                                       |   | ✓                    | ✓                         |
| Steering Valve                                      |   | ✓                    | ✓                         |
| Track Steering Hydraulic Components                 |   | ✓                    | ✓                         |
| Steering Cylinders                                  |   |                      | ✓                         |
| Hydraulics  | Hydraulic System  |                      | ✓                         |
|   | Hydraulic Pumps   |                      | ✓                         |
|   | Hydraulic Valves  |                      | ✓                         |
|   | Hydraulic Couplers  |                      | ✓                         |
|   | Hydraulic Cylinders                                       |                      | ✓                         |
|   | Hydraulic Oil Reservoirs                                  |                      | ✓                         |
|   | Hydraulic Oil Coolers                                     |                      | ✓                         |
| Frame, Members, Miscellaneous                       | Frame   | ✓                    | ✓                         |
|   | Chassis Structure   | ✓                    | ✓                         |
|   | Track Frame, Undercarriage                                | ✓                    | ✓                         |
|   | Non-driven Axles Hubs & Bearings                          | ✓                    | ✓                         |
|   | Axle and Axle Spacers                                     | ✓                    | ✓                         |
|   | Steering Components (knuckles, tie rod)                   | ✓                    | ✓                         |
|   | A/C Components (Dryer, Evaporator, Condenser, Compressor) |                      | ✓                         |
| Operator's Station                                  | Displays, Receivers, Guidance                             |                      | ✓                         |
|   | Monitors, Factory installed AMS components                |                      | ✓                         |
|   | Operator Controls   |                      | ✓                         |
|   | Brake Controls  |                      | ✓                         |
|   | Steering Controls   |                      | ✓                         |

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|--|--|----------------------|---------------------------|
|  | Gearshift Controls   |                      | ✓                         |
|  | Ground Drive Control (Reverser, Drive Lever)                   |                      | ✓                         |
|  | Engine Control   |                      | ✓                         |
|  | PTO Control  |                      | ✓                         |
|  | Rockshaft Control  |                      | ✓                         |
|  | Hydraulic Controls   |                      | ✓                         |
|  | Machine Functional Controls (Levers, Switches, Knobs, Buttons) |                      | ✓                         |
|  | <b>Operator Station (Cab, Platform)</b>                        |                      | ✓                         |
|  | Cab/Open Station Structure, ROPS, Roof and Shields             |                      | ✓                         |
|  | Cab Interior/Open Station Shields and Covers                   |                      | ✓                         |
|  | Ventilating & Heating System                                   |                      | ✓                         |
|  | Mirror Main Structure  |                      | ✓                         |
|  | Instrument Console   |                      | ✓                         |
|  | Windshield Wiper   |                      | ✓                         |
|  | Seat   |                      | ✓                         |