590
Loader Backoe

Service Manual

8-17131

CASE

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SPECIFICATIONS

Rated output	14 volts at 65 amperes
Resistance of rotor winding	2.52 to 3.08 ohms
Maximum runout for slip rings	0.05 mm (0.002 inch)
Minimum diameter of slip rings	26.8 mm (1.055 inch)
Resistance of stator coils	0.09 to 0.11 ohms
Minimum length of brushes	7 mm (0.27 inch)
Torque for nut for pulley	60 to 70 Nm (44 to 55 pound-feet

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CONNECTORS A, B, C, AND D — Main chassis harness to side console harness.

CONNECTOR E — Main chassis harness to side console harness.

CONNECTOR G — Main chassis harness to transaxle harness.

CONNECTORS H AND J — Main chassis harness to front console harness.

CONNECTOR K — Main chassis harness to front console harness.

WARNING BUZZER — A warning buzzer that sounds when there is low engine oil pressure, high engine temperature, or parking brake is applied and the transmission is not in NEUTRAL.

TEMPERATURE SWITCH — Contacts closed by high oil or coolant temperature.

CONNECTOR — Connects one harness to another harness.

RELAY — A magnetic switch that directs electrical current.

FUSE — Protects circuit from overload.

CHASSIS GROUND — Completes battery circuit.

FUEL SENDER — Resistor type switch operated by a float in the tank.

FILTER SWITCH — Contact opened or closed by filter pressure.

BOOM LOCK SOLENOID VALVE — An electromagnet that holds a spool in a detented position.

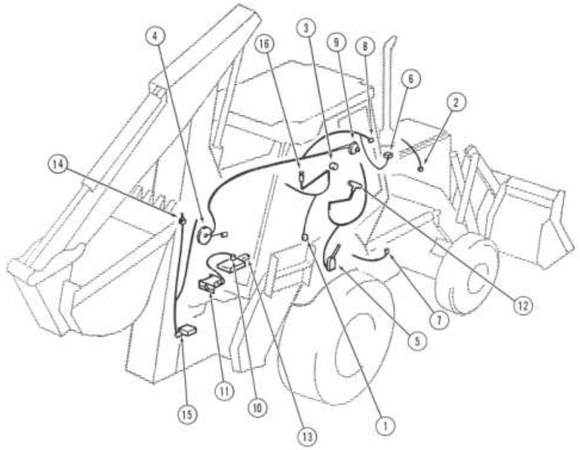
PRESSURE SWITCH — Operated by oil pressure to complete an electrical circuit.

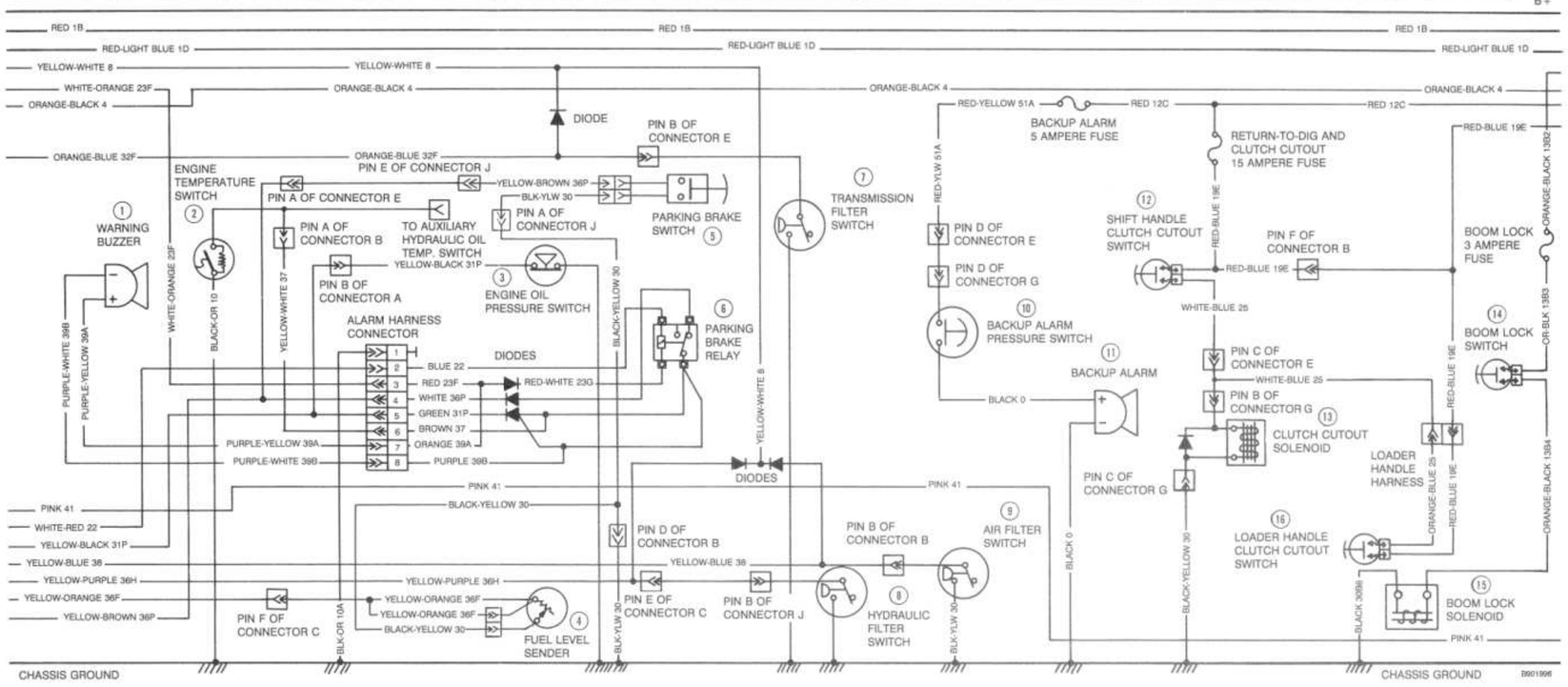
BACKUP ALARM — A warning alarm that sounds when the machine is driven in reverse.

SOLENOID — A magnetic coil that operates spools in the transmission.

PUSH BUTTON SWITCH (SINGLE POLE) — Used to complete an electric circuit.

WARNING BUZZER, PARKING BRAKE, BACKUP ALARM, AND CLUTCH CUTOUT





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