

PowerShift Transmission Control Unit (PTP) Diagnostic Trouble Codes

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Diagnostic Trouble Code	Display	Solution
PTP 000084.07	Transmission Calibration	Vehicle Motion During Calibration. Have your John Deere dealer repair as soon as possible.
PTP 000084.18	Transmission System	Vehicle Slow Motion Fault. May happen when overloading or stalling the tractor. Reduce load. If code returns, have your John Deere dealer repair as soon as possible.
PTP 000092.16	Transmission System	Engine Load Excessive In 4R/5R. Transmission will downshift to 3R. Check fuel filters. Reduce load on engine.
PTP 000123.03 PTP 000123.04	Transmission System	Clutch Pressure Sensor/Switch Circuit Voltage Problem. Have your John Deere dealer repair as soon as possible.
PTP 000123.18	Clutch Partially Engaged	Clutch Pressure Low. Make sure clutch pedal is fully released. If code returns, have your John Deere dealer repair as soon as possible.
PTP 000127.01	Transmission oil pressure low	Transmission Oil Pressure Very Low. Check transmission-hydraulic oil level.
PTP 000158.01 PTP 000168.03 PTP 000168.04	Transmission System	PTP Supply Voltage Problem. Visually inspect around the batteries and alternator for damage or accumulated debris. Have your John Deere dealer repair as soon as possible.
PTP 000177.17	Transmission Oil Temperature	Gear Limited to 14F Due to Cold Oil. Slow engine speed to less than 1500 rpm and heat hydraulic oil with a jumper hose as soon as possible.
PTP 000190.18	Transmission System	Engine Speed Low. Speed up engine.
PTP 000598.02	Transmission System	Clutch Pedal Switch/Sensor Circuit Conflict. Have your John Deere dealer repair as soon as possible.
PTP 000619.05	Park System	Park Brake Solenoid Circuit Fault. Have your John Deere dealer repair as soon as possible.

PTP 000628.02	Transmission System	PTP EOL Data Fault. Have your John Deere dealer repair as soon as possible.
PTP 000628.12	Programming	PTP Programming.
PTP 000629.12	Transmission System	PTP Control Unit Fault. Have your John Deere dealer repair as soon as possible.
PTP 000630.02	Transmission System	PTP Calibration Fault/Data Invalid. Have your John Deere dealer repair as soon as possible.
PTP 000630.14	Transmission Calibration	Transmission Not Calibrated. Have your John Deere dealer repair as soon as possible.
PTP 000734.05	Electrical Clutch	Clutch C1 Solenoid Circuit Fault. Have your John Deere dealer repair as soon as possible.
PTP 000735.05	Clutch Electrical	Clutch C2 Solenoid Circuit Fault. Have your John Deere dealer repair as soon as possible.
PTP 000736.05	Clutch Electrical	Clutch C3 Solenoid Circuit Fault. Have your John Deere dealer repair as soon as possible.
PTP 000737.05	Clutch Electrical	Clutch 4 (C4) Valve Circuit Fault. Have your John Deere dealer repair as soon as possible.
PTP 000738.05	Clutch Electrical	Clutch R (CR) Valve Circuit Fault. Have your John Deere dealer repair as soon as possible.

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PTP 000739.05	Clutch Electrical	D Clutch (DC) Valve Circuit Fault. Have your John Deere dealer repair as soon as possible.
PTP 000810.02	Transmission System	Countershaft Speed Sensor Fault. Have your John Deere dealer repair as soon as possible.

PTP 002000.09	Communication System	ECU Message Missing. Check fuse F24.
PTP 002005.09	Communication System	ACU Message Missing. Shift in and out of Neutral. If code returns, have your John Deere dealer repair as soon as possible.
PTP 002020.09	Communication System	SFA Message Missing. Have your John Deere dealer repair as soon as possible.
PTP 523953.02	Operator Controls	Speed Control Lever Sensor Circuit Conflict. Shift to PARK. If code returns, have your John Deere dealer repair as soon as possible.
PTP 523960.31	Operator not in seat	Operator Not Seated During Reverser Command. Be sure operator is firmly seated in the seat. If code returns, have your John Deere dealer repair as soon as possible.
PTP 524020.31	Operator Controls	Transmission In Gear at Power Up. Move shift lever to PARK and restart.
PTP 524228.05	Park System	Park Sump Block Solenoid Circuit Fault. Have your John Deere dealer repair as soon as possible.
PTP 524228.11	Park System	Park Sump Block Valve Fault. Have your John Deere dealer repair as soon as possible.
PTP 524232.03 PTP 524232.04	Park System	Park Brake Pressure Sensor Circuit Voltage Problem. Have your John Deere dealer repair as soon as possible.
PTP 524232.16	Park System	Park Brake Pressure High/Park Commanded. Have your John Deere dealer repair as soon as possible.
PTP 524232.17	Park System	Park Brake Pressure Low/Park Not Commanded. Have your John Deere dealer repair as soon as possible.
PTP 524239.31	Transmission System	No Motion with Engine Running and Transmission in Gear. Have your John Deere dealer repair as soon as possible.
PTP 524248.31	Park System	Vehicle Motion With Park Brake Engaged. Have your John Deere dealer repair as soon as possible.
PTP 524250.31	Park System	Park Brake Previously Failed/May Not Hold. Have your John Deere dealer repair as soon as possible.
PTP 524267.15	Clutch Partially Engaged	C Clutch (CC) or D Clutch (DC) Slipping Too Long. Transmission may downshift to A or B. Insure foot is not resting on clutch pedal. If code returns, have your John Deere dealer repair as soon as possible.

PTP 524267.16	Clutch Partially Engaged	Clutch Slipping Too Long. Insure foot is not resting on clutch pedal. If code returns, have your John Deere dealer repair as soon as possible.
PTP 524267.31	Clutch Partially Engaged	A Brake (AB) or B Clutch (BC) Slipping Too Long. Insure foot is not resting on clutch pedal. If code returns, have your John Deere dealer repair immediately.
PTP 524271.05	Clutch Electrical	C Clutch (CC) Valve Circuit Fault. Shift to Neutral. If code returns, have your John Deere dealer repair as soon as possible.
PTP 524272.05	Clutch Electrical	B Clutch (BC) Valve Circuit Fault. Shift to Neutral. If code returns, have your John Deere dealer repair as soon as possible.
PTP 524273.05	Clutch Electrical	A Brake (AB) Valve Circuit Fault. Shift to Neutral. If code returns, have your John Deere dealer repair as soon as possible.
PTP 524277.00	Engine Overspeed	Engine Speed Too High For Downshift. Slow vehicle before downshifting. Have your John Deere dealer repair as soon as possible.

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PTP 524279.31	Transmission in neutral	Operator Not Seated With Transmission In Neutral. Be sure operator is firmly seated in the seat. Have your John Deere dealer repair as soon as possible.
PTP 524280.31	Park Delayed	Vehicle Motion While Shifting to Park. Lever has been placed in PARK and is coming ON when vehicle speed is less than 4 km/h (2.5 mph).

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