

DTC Index

- NOTE: If a control module or component is suspect and the vehicle remains under manufacturer warranty, refer to the Warranty Policy and Procedures manual (section B1.2), or determine if any prior approval program is in operation, before the replacement of a component.
- NOTE: Generic scan tools may not read the codes listed, or may read only 5-digit codes. Match the 5 digits from the scan tool to the first 5 digits of the 7-digit code listed to identify the fault (the last 2 digits give extra information read by the manufacturer-approved diagnostic system).
- NOTE: When performing voltage or resistance tests, always use a digital multimeter (DMM) accurate to three decimal places, and with an up-to-date calibration certificate. When testing resistance always take the resistance of the DMM leads into account.
- NOTE: Check and rectify basic faults before beginning diagnostic routines involving pinpoint tests.
- NOTE: Inspect connectors for signs of water ingress, and pins for damage and/or corrosion.
- NOTE: If DTCs are recorded and, after performing the pinpoint tests, a fault is not present, an intermittent concern may be the cause. Always check for loose connections and corroded terminals.
- NOTE: For a full list of engine control module (ECM) DTCs:
REFER to: [Electronic Engine Controls](#) (303-14 Electronic Engine Controls - 2.4L Duratorq-TDCi HPCR (103kW/140PS) - Puma, Diagnosis and Testing).

DTC	Description	Possible causes	Actions
P004611	Turbocharger boost control A circuit range/performance - circuit short to ground	<ul style="list-style-type: none"> • Turbocharger control solenoid circuit: short circuit to ground • Turbocharger fault 	Check the turbocharger control solenoid and circuits. Refer to the electrical guides. Install a new turbocharger if necessary. REFER to: Turbocharger (303-04B Fuel Charging and Controls - Removal and Installation).
P004612	Turbocharger boost control A circuit range/performance - circuit short to battery	<ul style="list-style-type: none"> • Turbocharger control solenoid circuit: short circuit to power • Turbocharger fault 	Turbocharger - 2.4L Duratorq-TDCi HPCR (103kW/140PS) - Puma, Clear the DTCs and test for normal operation.
P00461A	Turbocharger boost control A circuit range/performance - circuit resistance below threshold	<ul style="list-style-type: none"> • Turbocharger control solenoid circuit: short circuit to ground • Turbocharger control solenoid circuit: short circuit to power • Turbocharger control solenoid circuit: open circuit • Turbocharger fault 	Check the turbocharger control solenoid and circuits. Refer to the electrical guides. Install a new turbocharger if necessary. REFER to: Turbocharger (303-04B Fuel Charging and Controls - Removal and Installation).
P00461B	Turbocharger boost control A circuit range/performance - circuit resistance above threshold	<ul style="list-style-type: none"> • Turbocharger control solenoid circuit: short circuit to ground • Turbocharger control solenoid circuit: short circuit to power 	Turbocharger - 2.4L Duratorq-TDCi HPCR (103kW/140PS) - Puma, Clear the DTCs and test for normal operation.