

## DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0298 - ENGINE OIL OVER TEMPERATURE CONDITION - DTC CHART

### P0298 - ENGINE OIL OVER TEMPERATURE CONDITION - DTC CHART

**Description:** This DTC sets when the engine oil temperature protection strategy in the PCM has been activated. This temporarily prohibits high engine speed operation by disabling injectors, to reduce the risk of engine damage from high engine oil temperature. The PCM uses an oil algorithm to determine actual engine oil temperature.

**Possible Causes:**

- Very high engine RPM for an extended period of time
- Overheating condition
- Base engine concerns

**Diagnostic Aids:** The engine is operating in high RPM range due to incorrect gear selection. This may cause a lack/loss of power or surge.

| Application | Key On Engine Off        | Key On Engine Running | Continuous Memory |
|-------------|--------------------------|-----------------------|-------------------|
| All         | GO to Pinpoint Test DY . |                       |                   |

## DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0299 - TURBOCHARGER/SUPERCHARGER A UNDERBOOST CONDITION - DTC CHART

### P0299 - TURBOCHARGER/SUPERCHARGER A UNDERBOOST CONDITION - DTC CHART

**Description:** This DTC sets when the actual TCBP value is less than the desired TCBP value by 27.6 kPa (4 psi) or more for 5 seconds, indicating an under boost condition.

**Possible Causes:**

- Damaged turbocharger (TC) wastegate regulating valve solenoid
- TC wastegate regulating solenoid valve stuck
- Wastegate stuck open
- Wastegate control hose open or plugged
- Air leak between turbocharger and throttle

**Diagnostic Aids:** Check tubing for restrictions, cracks and incorrect fitting connections. Check the turbocharger wastegate regulating valve solenoid for correct operation.

| Application | Key On Engine Off        | Key On Engine Running | Continuous Memory |
|-------------|--------------------------|-----------------------|-------------------|
| All         | GO to Pinpoint Test HN . |                       |                   |