



Specifications

Lubricants

| Item | Land Rover Part No. |
|----------------|--|
| * HO2s removal | STC 50545 |
| HO2s threads | Apply suitable high temperature anti-seize compound to threads of sensor |

* Apply to area around sensor threads prior to attempting to remove sensor **Engine Management System**

| Item | Description |
|---------------------------|------------------------|
| Engine management system: | |
| Make | Siemens |
| Type | PAG EMS - Generation 1 |

Torque Specifications

| Description | Nm | lb-ft |
|--|----|-------|
| Intake manifold tuning (IMT) valve bolts | 10 | 7 |
| + Heated oxygen sensor (HO2S) | 45 | 33 |
| * RH catalytic converter to exhaust manifold bolts | 22 | 16 |
| * LH catalytic converter to exhaust manifold bolts | 22 | 16 |
| LH catalyst monitor sensor | 45 | 33 |
| Heat shield bolts | 10 | 7 |
| Mass air flow (MAF) sensor Torx screws | 2 | 1.5 |
| ** Camshaft position (CMP) sensor bolt | 6 | 4 |
| Engine coolant temperature (ECT) sensor | 18 | 13 |
| Throttle body bolts | 10 | 7 |
| Crankshaft position (CKP) sensor Torx screw | 8 | 6 |
| Knock sensor (KS) bolt | 20 | 15 |

+ Apply anti-seize lubricant to threads of sensor - See Lubricants * New bolts must be fitted ** Apply clean engine oil to a new CMP sensor O-ring seal.