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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 **General Specification**

Item	Description
Engine management system:	
Make	Denso
Type	PAG EMS Generation 1
Camshaft position sensor:	
Make	Denso
Type	Left-hand XR83-6B288-AB and Right-hand 2W93-6B288-AA
Crankshaft position sensor:	
Make	Denso
Type	XW43-6C315-BB

Torque Specifications

Description	Nm	lb-ft
Variable camshaft timing (VCT) oil control solenoid bolt	10	7
Knock sensor (KS) bolts	20	15
Crankshaft position (CKP) sensor Torx screw	8	6
+ Heated oxygen sensor (HO2S)	45	33
* RH catalytic converter to exhaust manifold bolts	22	16
* LH catalytic converter to exhaust manifold bolts	22	16
Mass air flow (MAF) sensor Torx screws	2	1.5
Camshaft position (CMP) sensor Torx screw	7	5
Engine coolant temperature (ECT) sensor	18	13
++ Fuel temperature sensor	7	5
+ Catalyst monitor sensor	45	33
Catalyst monitor sensor heat shield bolts	10	7
Engine oil pressure sensor	12	9
ECM retaining bolts	1.5	1.1
MAP sensor retaining bolts	3	2
Radiator access panel bolts	10	7
Engine oil temperature sensor	20	15

+ Apply suitable high temperature anti-seize compound to threads of sensor * New bolts must be installed ++ Apply anti-seize lubricant to threads - See Lubricants