

ALFA 159 1.9 JTD 16V DIESEL INJECTION SYSTEM 1060

Component	Fastening	dia	Value (daNm)	Validity
Pressure pump mounting	Bolt (pretreated to be replaced)	M8	(cylinder head extension side) 2.3 - 2.8	1.9 JTD 16V
Pressure pump mounting	Bolt (pretreated to be replaced)	M6/M8	(engine block side) 2.3 - 2.8	1.9 JTD 16V
Pressure pump mounting	Bolt (pretreated to be replaced)	M8	2.3 ÷ 2.8	1.9 JTD 8V
Pressure pump	Nut	M8	(support side) 2.3 - 2.8	1.9 JTD 8V 1.9 JTD 16V
Pressure pump drive pulley	Nut	M14	(pressure pump side) 4.5 - 5.5	1.9 JTD 8V 1.9 JTD 16V
Throttle body	Bolt	M8	(chamber side) 2.5	1.9 JTD 16V 2.4 JTD 20V
Injector brackets	Nut	M8	(cylinder head extension side) 2.3 - 2.8	1.9 JTD 16V 2.4 JTD 20V
Injector brackets	Nut	M8	2.7 ÷ 3.3	1.9 JTD 8V
Single fuel manifold pipe (rail)	Bolt	M8	(cylinder head extension side) 2.3 - 2.8	1.9 JTD 16V 2.4 JTD 20V
Pipe from pressure pump to fuel manifold	Connector	M14	(fuel manifold side) 2.2 - 2.4	1.9 JTD 8V 1.9 JTD 16V 2.4 JTD 20V
Pipe from pressure pump to fuel manifold	Connector	M12	(pressure pump side) 2.2 - 2.4	1.9 JTD 8V 1.9 JTD 16V 2.4 JTD 20V
Pipes from fuel manifold to injectors	Connector	M14	(fuel manifold side) 2.2 - 2.4	1.9 JTD 16V 2.4 JTD 20V
Pipes from fuel manifold to injectors	Connector	M12	(injector side) 2.4 - 2.6	1.9 JTD 16V 2.4 JTD 20V
Cam angle sensor	Bolt	M6	(cylinder head extension side) 0.8 - 1.0	1.9 JTD 16V 2.4 JTD 20V
Fuel pressure regulator	Bolt	M	(pressure pump side) 0.6 - 0.7	1.9 JTD 8V 1.9 JTD 16V 2.4 JTD 20V
Fuel pressure regulator on single manifold to injectors	-	M	(fuel manifold side) 8.0 - 9.0	1.9 JTD 16V 2.4 JTD 20V
Engine coolant temperature sensor	-	M	(thermostat side)	1.9 JTD 8V 1.9 JTD 16V 2.4 JTD 20V
Excess pressure sensor	Bolt	M	0.9	1.9 JTD 8V 1.9 JTD 16V 2.4 JTD 20V
Rpm sensor	Bolt	M6	(engine block side) 0.6 - 1.0	1.9 JTD 8V 1.9 JTD 16V 2.4 JTD 20V
Rpm sensor	Bolt	-	1.0	3.2 JTS

Detonation sensor	Bolt	-	2.3	3.2 JTS
Fuel pressure sensor	-	M	(fuel manifold side) 6.5 - 7.5	1.9 JTD 16V 2.4 JTD 20V
Pressure pump mounting	Bolt	M8	(engine block side) 2.3 - 2.8	1.9 JTD 8V
Pressure pump mounting	Bolt	M10	(cylinder head side) 4.5 - 5.5	1.9 JTD 8V
Throttle body	Bolt	M8	(Intake manifold side) 2.5	1.9 JTD 8V
Set of injectors	Nut	M8	(cylinder head side) 2.7 - 3.3	1.9 JTD 8V
Single fuel manifold pipe (rail)	Nut	M8	(intake manifold side) 2.3 - 2.8	1.9 JTD 8V
Fuel manifold pipe	Bolt	-	1.0	3.2 JTS
Pipe from pressure pump to fuel manifold	Connector	M14	(fuel manifold side) 2.2 - 2.4	1.9 JTD 8V
Pipe from pressure pump to fuel manifold	Connector	M12	(pressure pump side) 2.2 - 2.4	1.9 JTD 8V
Pipes from fuel manifold to injectors	Connector	M14	(fuel manifold side) 2.2 - 2.4	1.9 JTD 8V
Pipes from fuel manifold to injectors	Connector	M12	(injector side) 2.2 - 2.4	1.9 JTD 8V
Fuel pressure regulator	-	M	(fuel manifold side) 8.0 - 9.0	1.9 JTD 8V
Fuel pressure sensor	-	M	(fuel manifold side) 6.5 - 7.5	1.9 JTD 8V