

Engine

List of tools: 2.0 I 16 V engine

LIST OF REQUIRED TOOLS

Tool No.	Designation and use	Group/Page
Ar-2204 A	Rotary trestle	10/8
U-10014	Pliers to remove hydraulic tappets	15/17
U-10050	Tool for centring the clutch disc	13/13
U-10050/F	Adaptor for U-10050	13/13
U-10070	Valve guide oil seal puller	15/21
U-10073/1	Cylinder head fixing base	15/18
U-10080	Percussion tool for removing oil seals	13/12
U-10083	Base for sorting the pushers and valves	15/17
U-10095	Pliers to remove and fit hose clamps	19/4
U-20000	Flange for fixing the engine to the trestle	10/8
U-20002/1	Wrench for holding distribution gears	13/6
U-20004	Centering legs extractor	15/6
U-20008	Tool for removing/refitting the piston pins	13/21
U-30002	Tool for fitting the intermediate shaft oil seal	13/16
U-30006	Tool for removing/refitting the valve guides	15/22
U-30006/A	Base for removing/refitting valve guides	15/22
U-30006/B	Base for removing/refitting valve guides	15/22
U-30007	Tool for fitting the valve guide oil seal	15/21
U-30009	Tool for tightening the timing belt	13/6
U-30011	Drive head for removing/refitting the oil pump drive shaft bushings	17/6
U-30015	Tool for holding the clutch cable	10/4
U-30017	Adaptor fixing engine unit	10/6
U-30022	Tool for removing/refitting the cylinder head bolts	15/5
U-30025	Engine unit holding crossmember	10/6
U-30027	Tool for holding the engine flywheel (with the engine fitted to the vehicle)	13/7
U-30033	Base plate for tool U-10073/1	15/18
U-30034	Lifting hook for the engine unit	10/8
U-30035	Tool for holding the engine flywheel (with the engine on the work bench)	13/7
U-30037	Glow plug spanner	28/1
U-30042	Tweezers for flexible pipes	17/6
U-40010	Tool for removing/refitting the Poly-V belt	13/10
U-40011	Wrench for removing/refitting the cooling liquid pump pulley	19/7
U-40020	Multiple toothing wrench set	15/5
U-40023	Centering legs for installing the cylinder head	15/6
U-40050	Tool for removing/refitting the Poly-V belt	13/10
U-40051	Wrench for removing/refitting the oil sump allen head bolts	17/4
U-40051/1	Wrench for removing/refitting the oil sump torx head bolts	17/4
U-40051/2	Wrench for removing/refitting the oil sump hex head bolts	17/4

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Tool No.	Designation and use	Group/Page
U-40052	Tool for fitting the crankshaft oil seal, flywheel side	13/13
U-40055	Tool for removing the fuel level sender unit-fuel pump assembly fixing nut	20/5
U-40057	Flange for fixing the engine to the trestle	10/8
U-40062	Tool for fitting the crankshaft oil seal, distribution side	13/15
U-40073	Tool for removing/installing the fuel pump assembly	20/5
U-40075	Tool for cutting exhaust pipe	26/2
U-40078	Oil filter removal tool	17/7
U-40083	Pinking sensor spanner	24/36

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List of equipment: 2.0 l 16 V engine

LIST OF REQUIRED EQUIPMENTS

No. of equipment	Designation and use	Group/Page
SAT 1390	Vacuum gun	24/29
VAG 1274	Cooling system checking equipment	19/8
VAG 1274/3	Adaptor for VAG 1274	19/8
VAG 1274/4	Adaptor for VAG 1274	19/9
VAG 1318	Pressure gauge for checking fuel pressure	20/9
VAG 1318/1	Adaptor for VAG 1318	20/9
VAG 1318/10	Adaptor for VAG 1318	20/9
VAG 1318/11	Adaptor for VAG 1318	20/9
VAG 1342	Pressure gauge for checking oil pressure	17/7
VAG 1348/3A	Remote control	20/8
VAG 1348/3-2	Adaptor cables	20/8
VAG 1363/A	CO analyzer	24/10
VAG 1363/3	Adaptor for VAG 1363/A	24/29
VAG 1367	Equipment for checking rpm and ignition timing	24/28
VAG 1367/8	Pick up clamp	24/28
VAG 1368	Pressure fall testing equipment	20/14
VAG 1381	Pressure gauge for checking the compression ratio	13/25
VAG 1501	Adaptor cable	24/34
VAG 1526	Digital tester	24/9
VAG 1527	Test LED	28/6
VAG 1551	Fault detector	24/7
VAG 1551/3	VAG 1551 adapter cable	24/7
VAG 1594/A	Auxiliary measuring cable set	24/9
VAG 1598/18	Verification box	24/40
VAG 1602	Measuring device	24/28
VAG 1630	Variable potentiometer	24/27
VAG 1715	Test equipment	20/10
VAG 1763	Pressure gauge for checking the compression ratio	13/25
VAG 1767	Equipment for checking rpm and ignition timing	24/28