

PREPARING THE USED ENGINE FOR RETURN

The engine should be cleaned and drained (oil and water).

Leave on the used engine or include in the return box:

- the oil filter,
- the oil pressure switch,
- the water pump,
- the high pressure pump,
- the rail,
- the injectors
- the heater plugs,
- the dipstick,
- the vacuum pump,
- the flywheel,
- the clutch

Remember to remove:

- all coolant pipes,
- the exhaust manifold,
- the alternator,
- the power-assisted steering pump,
- the air conditioning compressor,
- the multifunction support,
- the oil level sensor,
- the cylinder head coolant outlet unit.

The used engine should be secured to the base under the same conditions as the overhauled engine:

- plastic plugs and covers fitted,
- cardboard cover over the assembly.

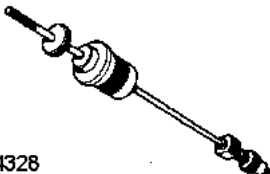
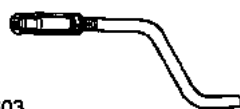
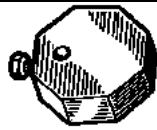
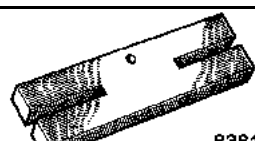
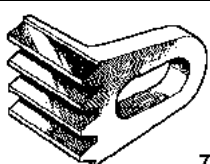
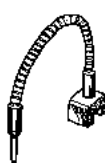
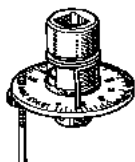
Illustration	Method part number	Parts stores number	Description
 84328	Emb. 880	00 00 088 000	Inertia extractor
 68603	Mot. 11	00 01 072 500	Crankshaft bearing extractor
 83812s	Mot. 251-01	00 00 025 101	Gauge stand used with Mot. 252-01
 83842a1	Mot. 252-01	00 00 025 201	Thrust plate for measuring the protrusion of cylinder liners used with Mot. 251-01 .
 69716	Mot. 445	00 00 044 500	Oil filter wrench
 77121	Mot. 582-01	00 00 058 201	Flywheel immobilising tool.
 77666	Mot. 588	00 00 058 800	Liner retaining strap
 77889	Mot. 591-02	00 00 059 102	Magnetic flexible shaft for angular wrench for tightening cylinder head.
 78181	Mot. 591-04	00 00 059 104	Angular wrench for tightening cylinder head, 1/2" drive with index

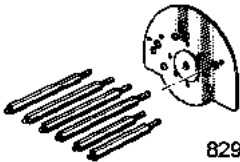
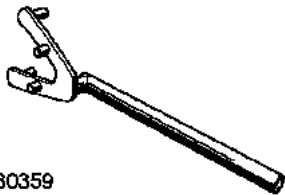
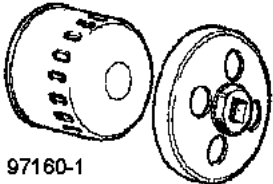
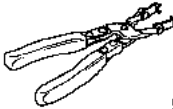
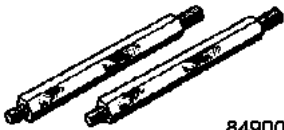
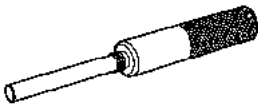
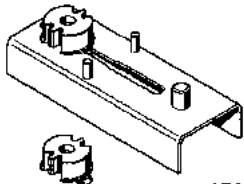
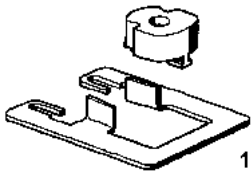
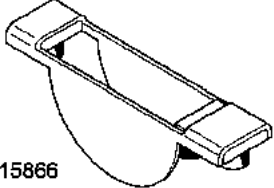
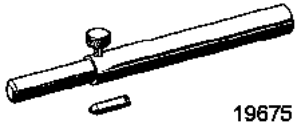
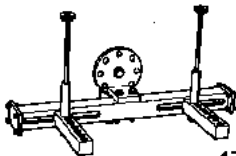
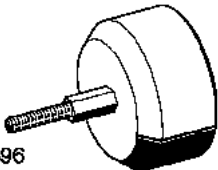
Illustration	Method part number	Parts stores number	Description
 82919	Mot. 792-03	00 00 079 203	Engine mounting plate for Desvil stand
 80359	Mot. 799-01	00 00 079 901	Tool for locking sprockets for toothed timing belt
 97160-1	Mot. 1329	00 00 132 900	Oil filter cap
 98503	Mot. 1335	00 00 113 500	Tool for removing valve stem seals
 84900	Mot. 1378	00 00 137 800	X and Y engine pins
	Mot. 1430	00 00 143 000	Set of top dead centre pins
 15868	Mot. 1485-01	00 00 0148 501	Tool for removing the piston bottom cooling jets
 14924	Mot. 1489	00 00 148 900	TDC setting pin
 15867	Mot. 1492	00 00 149 200	Tool for fitting con rod bearing shells

Illustration	Method part number	Parts stores number	Description
 17584	Mot. 1492-03	00 00 149 203	Adaptation kit for fitting the detachable cap con rod bearing shells
 15866	Mot. 1493-01	00 00 149 301	Tool for fitting crankshaft bearing shells
	Mot. 1494	00 00 149 400	Tool for removing the piston bottom jets
 16163	Mot. 1505	00 00 150 500	Belt tension setting tool
 19675	Mot. 1511-01	00 00 151 101	Tool for fitting valve stem seals
 19672	Mot. 1566	00 00 156 600	Spanner for fitting and removing high pressure pipes
	Mot. 1567	00 00 156 700	Pliers for exhaust gas recycling pipe clips
 17670	Mot. 1573	00 00 157 300	Cylinder head support
 18896	Mot. 1585	00 00 158 500	Tool for fitting crankshaft seals, flywheel end