

 Removing ([Refitting](#) )

- Place the vehicle on a lift.

[Op. 1016A10 SOUND-PROOFING COVER - R.R](#)

[Op. 1064A31 HEAT SHIELD FOR TURBOCHARGER - R.R.](#)

[Op. 1076A48 CATALYTIC CONVERTER HEAT SHIELD - R.R](#)

[Op. 7055B54 PROTECTION/GUARD UNDER ENGINE -R.R.](#)

[Op. 0010T20 ENGINE COOLANT - CHANGE](#)

[Op. 0010T10 CHANGE ENGINE OIL](#)

[Op. 0010T40 CHANGE MANUAL GEARBOX OIL](#)

[Op. 1084B42 ENGINE OIL RETURN PIPE FROM TURBO - R + R](#)

[Op. 1084B40 ENGINE OIL DELIVERY PIPE TO TURBOCHARGER - R + R](#)

[Op. 1064A10 TURBO CHARGER - R + R](#)

[Op. 4450B04 RIGHT FRONT WHEEL - R.R.](#)

[Op. 7055B66 ENGINE COMPARTMENT DUST COVER IN RIGHT FRONT WHEEL ARCH - R.R.](#)

[Op. 1092G10 AUXILIARY COMPONENTS SINGLE DRIVE BELT - R.R.](#)

[Op. 1092A10 SERVICE PULLEY ON CRANKSHAFT - R.R.](#)

[Op. 1092G15 ENGINE COMPONENT SINGLE BELT MOVING TENSIONER - R.R. WITH BELT REMOVED](#)

[Op. 1092G20 ENGINE COMPONENT SINGLE BELT FIXED TENSIONER - R + R](#)

[Op. 1008B10 POWER UNIT FRONT SUPPORT FLEXIBLE MOUNTING \(TIMING SIDE\) - REPLACE](#)

[Op. 1032D12 TIMING SYSTEM PROTECTIVE COVER\(S\) - R + R](#)

[Op. 1008A46 TIMING SIDE POWER UNIT RIGID SUPPORT - R.R.](#)

[Op. 1032B10 TOOTHED TIMING BELT - R.R. FOR TIMING OR REPLACEMENT](#)

- Temporarily fit the rigid support and the flexible mounting for the power unit, timing side.

[Op. 1076B72 INTERMEDIATE EXHAUST PIPE WITH HOSE SECTION - R+R](#)

[Op. 1020A20 CRANKCASE SUMP- R.R. CLEAN SEALING SURFACES AND APPLY SEALANT](#)

[Op. 1060G80 DIESEL ELECTRONIC INJECTION CONTROL UNIT - R.R](#)

[Op. 1060F50 FUEL RETURN MANIFOLD - R.R.](#)

[Op. 1060F20 PIPE FROM PRESSURE PUMP TO FUEL MANIFOLD - R.R.](#)

[Op. 1060F52 FUEL RETURN PIPE FROM INJECTORS - R.R.](#)

[Op. 1060F36 PIPES \(ALL\) FROM FUEL MANIFOLD TO INJECTORS - R.R.](#)

[Op. 1060F30 SINGLE FUEL MANIFOLD PIPE - R.R.](#)

[Op. 1060F10 INJECTORS - R.R.](#)

[Op. 1016B10 SINGLE CAMSHAFT HOUSING - REPLACE GASKET](#)

[Op. 1080B81 PARTICULATE FILTER \(D.P.F.\) - R.R.](#)

[Op. 1048B27 RIGID PIPE FOR AIR INLET TO THROTTLE BODY - R R](#)

[Op. 1060G50 THROTTLE BODY - R.R](#)

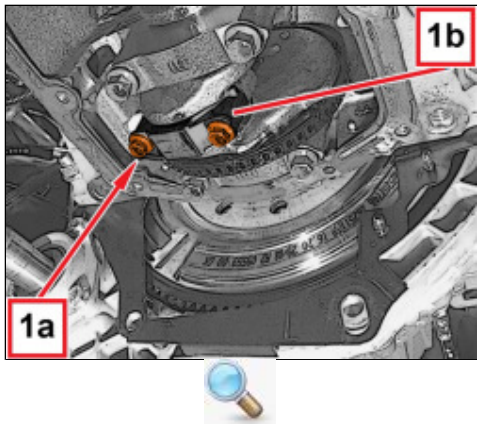
[Op. 1080C30 PIPE FROM E.G.R. SOLENOID VALVE TO INTAKE MANIFOLD - R.R.](#)

[Op. 5530B10 BATTERY - R+R](#)

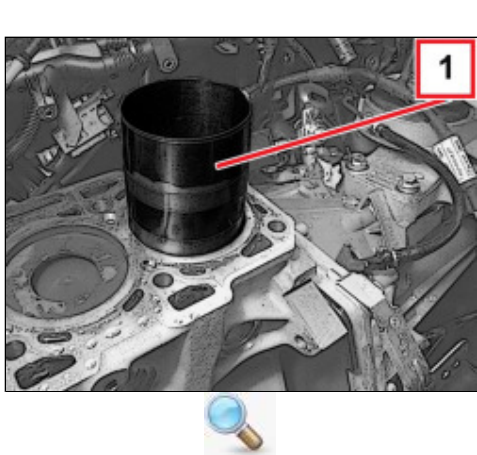
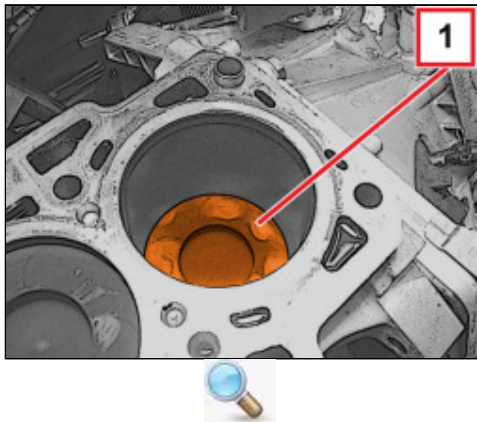
[Op. 1080C82 E.G.R. - VALVE HEAT EXCHANGER ASSEMBLY - CONNECTOR PIPES - R.R.](#)

[Op. 1016C10 SINGLE CYLINDER HEAD - R.R. AND REPLACE GASKET](#)

1. Undo the bolts (1a) and remove the connecting rod caps (1b) complete with half-bearings.

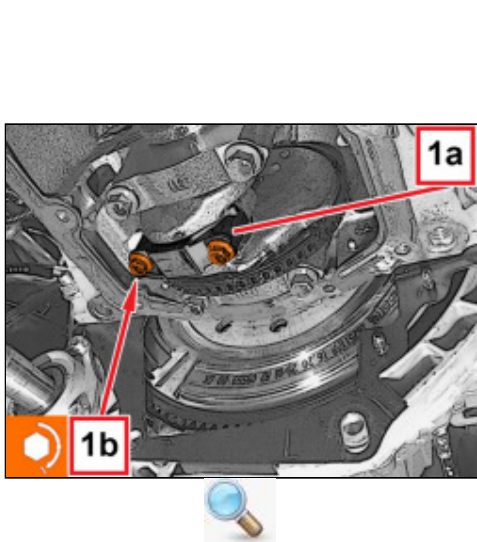


1. Withdraw and remove the piston-connecting rods assemblies with half-bearings.



Refitting ([Removing](#))

1. Place the piston-connecting rod assemblies in their housings complete with half-bearings using a suitable tool.



The piston-connecting rod assemblies should be fitted in the cylinder block/crankcase so that the drain on the piston skirt is aligned with the oil jet on the crankcase.

1. Place the bearing caps (1a), complete with half-bearings, back in their housings and secure them tightening the bolts (1b) to the recommended torque.

Fit the connecting rod caps so that the number stamped on each rod faces toward the same side as the number stamped on the big end (inlet side).

The connecting rods and connecting rod caps are not interchangeable.

Component	Fastening	Ø	Value (daNm)	Validity
Connecting rod caps	Screw	M9	2.3 ÷ 2.6 + 60°	1.6 JTDM

[Op. 1016C10 SINGLE CYLINDER HEAD - R.R. AND REPLACE GASKET](#)

[Op. 1080C82 E.G.R. - VALVE HEAT EXCHANGER ASSEMBLY - CONNECTOR PIPES - R.R.](#)

[Op. 5530B10 BATTERY - R+R](#)

[Op. 1080C30 PIPE FROM E.G.R. SOLENOID VALVE TO INTAKE MANIFOLD - R.R.](#)

[Op. 1060G50 THROTTLE BODY - R.R](#)

[Op. 1048B27 RIGID PIPE FOR AIR INLET TO THROTTLE BODY - R R](#)

[Op. 1080B81 PARTICULATE FILTER \(D.P.F.\) - R.R.](#)

[Op. 1016B10 SINGLE CAMSHAFT HOUSING - REPLACE GASKET](#)

[Op. 1060F10 INJECTORS - R.R.](#)

[Op. 1060F30 SINGLE FUEL MANIFOLD PIPE - R.R.](#)

Op. 1060F36 PIPES (ALL) FROM FUEL MANIFOLD TO INJECTORS - R.R.

Op. 1060F52 FUEL RETURN PIPE FROM INJECTORS - R.R.

Op. 1060F20 PIPE FROM PRESSURE PUMP TO FUEL MANIFOLD - R.R.

Op. 1060F50 FUEL RETURN MANIFOLD - R.R.

Op. 1060G80 DIESEL ELECTRONIC INJECTION CONTROL UNIT - R.R

Op. 1020A20 CRANKCASE SUMP- R.R. CLEAN SEALING SURFACES AND APPLY SEALANT

Op. 1076B72 INTERMEDIATE EXHAUST PIPE WITH HOSE SECTION - R+R

Op. 1032B10 TOOTHED TIMING BELT - R.R. FOR TIMING OR REPLACEMENT

Op. 1008A46 TIMING SIDE POWER UNIT RIGID SUPPORT - R.R.

Op. 1032D12 TIMING SYSTEM PROTECTIVE COVER(S) - R + R

Op. 1008B10 POWER UNIT FRONT SUPPORT FLEXIBLE MOUNTING (TIMING SIDE) - REPLACE

Op. 1092G20 ENGINE COMPONENT SINGLE BELT FIXED TENSIONER - R + R

Op. 1092G15 ENGINE COMPONENT SINGLE BELT MOVING TENSIONER - R.R. WITH BELT REMOVED

Op. 1092A10 SERVICE PULLEY ON CRANKSHAFT - R.R.

Op. 1092G10 AUXILIARY COMPONENTS SINGLE DRIVE BELT - R.R.

Op. 7055B66 ENGINE COMPARTMENT DUST COVER IN RIGHT FRONT WHEEL ARCH - R.R.

Op. 4450B04 RIGHT FRONT WHEEL - R.R.

Op. 1064A10 TURBO CHARGER - R + R

Op. 1084B40 ENGINE OIL DELIVERY PIPE TO TURBOCHARGER - R + R

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Op. 0010T40 CHANGE MANUAL GEARBOX OIL

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Op. 7055B54 PROTECTION/GUARD UNDER ENGINE -R.R.

Op. 1076A48 CATALYTIC CONVERTER HEAT SHIELD - R.R

Op. 1064A31 HEAT SHIELD FOR TURBOCHARGER - R.R.

Op. 1016A10 SOUND-PROOFING COVER - R.R

- Remove the vehicle from the lift.