



P01.20-2211-09

Shown on engine 271.9

- | | | | | | |
|---|---------------------|---|----------------------------|-----|---------------------------|
| 1 | Vacuum line | 3 | Crankcase ventilation hose | 5 | Seals |
| 2 | Cylinder head cover | 4 | Bolts | Y32 | Air pump switchover valve |

 	Remove/install		
1	Pull engine cover (2) upwards off cylinder head cover	 Grasp with both hands and pry off. Check gasket, replace if necessary.  Installation: When placing engine cover, ensure that seal is correctly seated at the oil filler neck. The seal should not be pressed down by the engine cover, but must lie against the engine cover .	
2	Remove ignition coils		AR15.12-P-2003CW
3.1	Remove heat shield from power steering expansion reservoir	Engine 271.9	AR46.25-P-1000CW
3.2	Remove secondary air system pipework from combination valve and cylinder head	 For engine 271.8 if available.	AR14.30-P-7150EVO
4	Remove bracket from secondary air system pipework	 For engine 271.8 if available.	AR14.30-P-7150EVO
5	Detach engine wiring harness		AR01.00-P-2410-02V *BA01.30-P-1001-01J
6.1	Remove crankcase ventilation system pipe from cylinder head and cylinder head cover (2)	 For engine 271.8 if available.	
6.2	Detach crankcase ventilation hose (3) from cylinder head cover (2)	Engine 271.9	
7	Detach vacuum line (1) from air pump switchover valve (Y32)		
8	Unhook air pump switchover valve (Y32) from bracket		
9	Remove oil dipstick guide tube from cylinder head cover	Engine 271.8	AR18.40-P-3510EVO
10	Remove bolts (4) and take off cylinder head cover (2)	 Engine 271.8: Push crankcase ventilation system pipe to the side.  Installation: Replace gaskets (5) and pay attention to correct seating in the cylinder head cover (2).  Installation: Follow cylinder head cover (2) tightening procedure.  	AR01.20-P-5014-03Q *BA01.20-P-1001-01H *BA15.12-P-1002-01F

11	Install in the reverse order		
12	<p>Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running</p> <p>Conduct engine test run and check engine for leaks while it is running</p>	<p>Secure vehicle to prevent it from moving by itself.</p> <p>Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.</p>	AS00.00-Z-0005-01A

Nm ECI ignition system

Number	Designation		Engine 271
BA15.12-P-1002-01F	Ignition coil on cylinder head cover	Nm	8

Nm Crankcase ventilation, cylinder head cover, camshaft bearing housing

Number	Designation		Engine 271
BA01.20-P-1001-01H	Bolt, cylinder head cover to camshaft bearing housing	Nm	9

Nm Cylinder head

Number	Designation			Engine 271
BA01.30-P-1001-01J	Bolt, ground line to front cover	M6	Nm	8