

ENGINE - V8

Refit

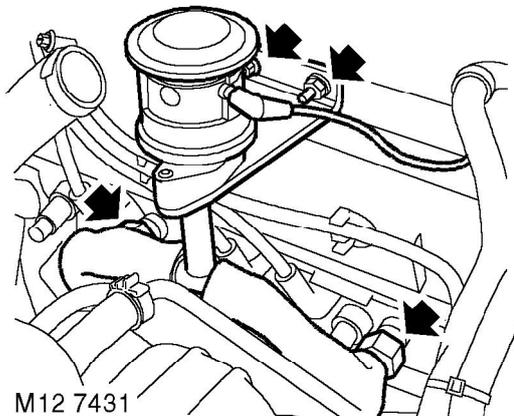
1. Clean mating faces of rocker cover and cylinder head, ensure bolt holes are clean and dry.
2. Fit a new gasket dry, position rocker cover ensuring gasket is correctly located.
3. Fit new 'patched' multi-hex rocker cover bolts ensuring that 2 short bolts are on side of rocker cover nearest centre of engine.
4. Tighten bolts by diagonal selection to:
 - Stage 1 - 3 Nm (2.5 lbf.ft)
 - Stage 2 - 8 Nm (6 lbf.ft)
5. Ensure that outer rim of gasket is correctly positioned around periphery of rocker cover.
6. Fit and tighten screw securing dip stick tube.
7. Secure ht leads in rocker cover clips.
8. **Models with air conditioning:** Clean compressor dowels and dowel holes. Position compressor, fit bolts and tighten to 22 Nm (16 lbf.ft). Release auxiliary drive belt tensioner and fit belt to compressor.
9. **Models with air conditioning:** Position fan cowl and secure clips.
10. Fit upper inlet manifold.
 - ☞ **MANIFOLDS AND EXHAUST SYSTEMS - V8, REPAIRS, Gasket - inlet manifold - upper - Without Secondary Air Injection.**

Gasket - rocker cover - RH

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Remove

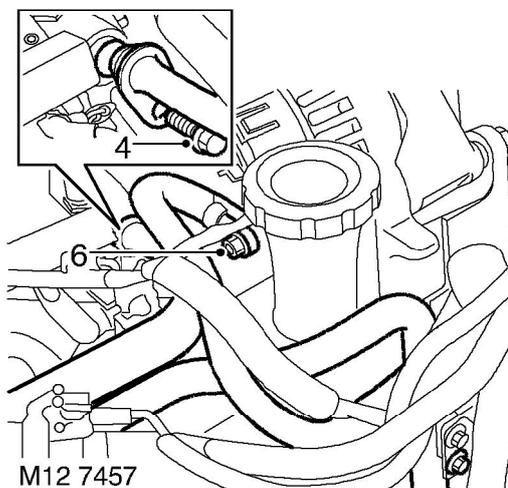
1. Drain cooling system.
 - ☞ **COOLING SYSTEM - V8, ADJUSTMENTS, Drain and refill.**
2. Remove upper inlet manifold gasket.
 - ☞ **MANIFOLDS AND EXHAUST SYSTEMS - V8, REPAIRS, Gasket - inlet manifold - upper - Without Secondary Air Injection.**



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3. **Models with SAI:** Disconnect 2 air manifold unions from adapters in cylinder head and remove manifold.

CAUTION: Take care that air manifold pipes are not damaged during removal of union nuts.

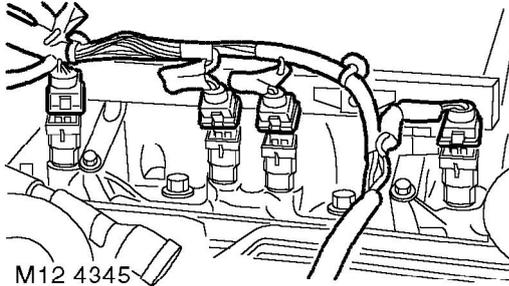


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4. Remove 2 bolts securing coolant rails to inlet manifold.

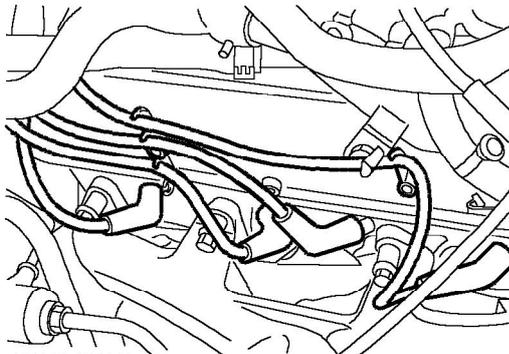


5. Release coolant rail from inlet manifold and discard 'O' ring.
6. Remove nuts securing alternator cables and release cables from alternator.



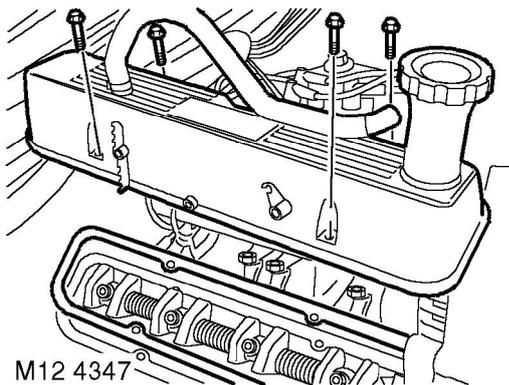
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7. Disconnect multiplugs from RH bank of injectors and release harness from fuel rail.



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8. Release ht leads from clips on rocker cover.



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9. Noting fitted position of 2 long screws or multi-hex bolts, remove and discard screws/bolts securing rocker cover; remove rocker cover.
10. Remove and discard rocker cover gasket.

Refit

1. Clean mating faces of rocker cover and cylinder head, ensure bolt holes are clean and dry.
2. Fit a new gasket dry, position rocker cover ensuring gasket is correctly located.
3. Fit new 'patched' multi-hex rocker cover bolts ensuring that 2 short bolts are on side of rocker cover nearest centre of engine.
4. Tighten bolts by diagonal selection to:
 - Stage 1 - 3 Nm (2.5 lbf.ft)
 - Stage 2 - 8 Nm (6 lbf.ft)
5. Ensure that outer rim of gasket is correctly positioned around periphery of rocker cover.
6. Secure ht leads in rocker cover clips.
7. Secure injector harness to fuel rail and connect multiplugs to injectors.
8. Position alternator cables, and tighten terminal B+ nut to 18 Nm (13 lbf.ft) and terminal D+ nut to 5 Nm (3 lbf.ft).
9. Clean coolant rail 'O' ring recess.
10. Lubricate and fit new 'O' ring to coolant rail, position coolant rails, fit bolts and tighten to 22 Nm (16 lbf.ft).
11. **Models with SAI:** Apply a small amount of engine oil to top of air manifold union nuts and around air manifold pipes.
12. **Models with SAI:** Position air manifold and finger tighten both air manifold union nuts.

CAUTION: Finger tighten union nuts as far as possible, damage to air manifold pipes or adapters may result if this is not done.
13. **Models with SAI:** Tighten both union nuts to 25 Nm (18 lbf.ft).

CAUTION: Ensure that air manifold pipes are not distorted during tightening operation.
14. Fit upper inlet manifold.

MANIFOLDS AND EXHAUST SYSTEMS - V8, REPAIRS, Gasket - inlet manifold - upper - Without Secondary Air Injection.
15. Refill cooling system.

COOLING SYSTEM - V8, ADJUSTMENTS, Drain and refill.