

Land Rover Freelander 1 Workshop Manual 2001-2006



and rear

LH cylinder bank shown, RH cylinder bank similar

- | | |
|---|--|
| 1 Rear drive belt | 7 Rear drive belt outer cover |
| 2 Bolt - camshaft drive belt inner cover (4 off) | 8 Bolt - exhaust camshaft gear |
| 3 Camshaft gear - rear inlet | 9 Camshaft gear - rear exhaust |
| 4 Drive belt - rear camshaft | 10 Seal - inlet camshaft, rear oil |
| 5 Bolt - inlet camshaft gear | 11 Inlet camshaft |
| 6 Bolt - camshaft rear drive belt outer cover (2 off) | 12 Seal - inlet camshaft, front oil |
| | 13 Stud - cylinder head to intake manifold (2 off) |

Camshafts - LH cylinder head

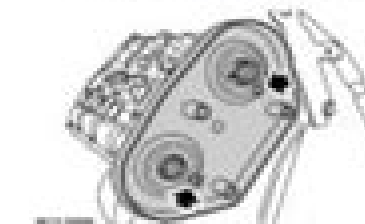
Ref: 10.10.02

Remove

1. Disconnect battery earth lead.
2. Remove camshaft timing belt.
0.17" TORQUE - 6 Nm (4.5 lbf.ft), 10 Nm (7.5 lbf.ft).
3. Remove LH camshaft rear timing belt.
0.17" TORQUE - 6 Nm (4.5 lbf.ft), 10 Nm (7.5 lbf.ft).
4. Remove LH camshaft cover plate.
0.17" TORQUE - 6 Nm (4.5 lbf.ft), 10 Nm (7.5 lbf.ft).



5. Remove 4 bolts and remove front camshaft drive belt cover backplate from cylinder head.



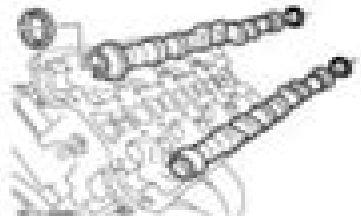
6. Remove 2 bolts securing LH rear camshaft drive belt cover backplate to cylinder head and remove backplate.

Refit

1. Thoroughly clean and lubricate hydraulic tappets with clean engine oil. Fit hydraulic tappets to original torque in cylinder head.
2. Ensure that mating faces of camshaft cover and cylinder head are clean and dry.
3. Lubricate camshafts and bearing journals with clean engine oil.



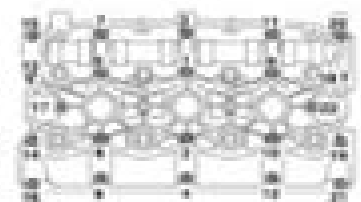
7. Using bolt (2) drive LH rear camshaft cover plate until torque spring pressure is released, remove bolts.
8. Release camshaft carrier from dowels and remove carrier.



9. Remove camshafts and discard of seals.
10. Using a steel magnet, remove 12 hydraulic tappets from cylinder head.
CAUTION: Store hydraulic tappets in their flow order and store upright. Maintain absolute cleanliness when handling hydraulic tappets. Failure to observe these precautions can result in engine failure.

11. Clean camshafts and bearing running surfaces in camshaft carrier and cylinder head.
12. Inspect camshafts and replace camshafts if scored, stiff or excessively worn.

Note: Camshafts are color coded - their CRANKS: Exhaust - BLUE



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 función de x x despejar x x para calcular dx d x sustituir en la integral resolverla y deshacer el cambio de variable la
 dificultad del método es escoger un cambio útil ya que en caso contrario la integral

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 continuación se presentan los ejercicios como siempre te recomendamos el tratar de resolverlos antes de ver la solución

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 pero solo cuando se puede configurar de una manera especial el primer paso y el más importante es poder escribir nuestra
 integral en esta forma observa que ahora tenemos $g(x)$ y su derivada $g'(x)$ como en este ejemplo

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