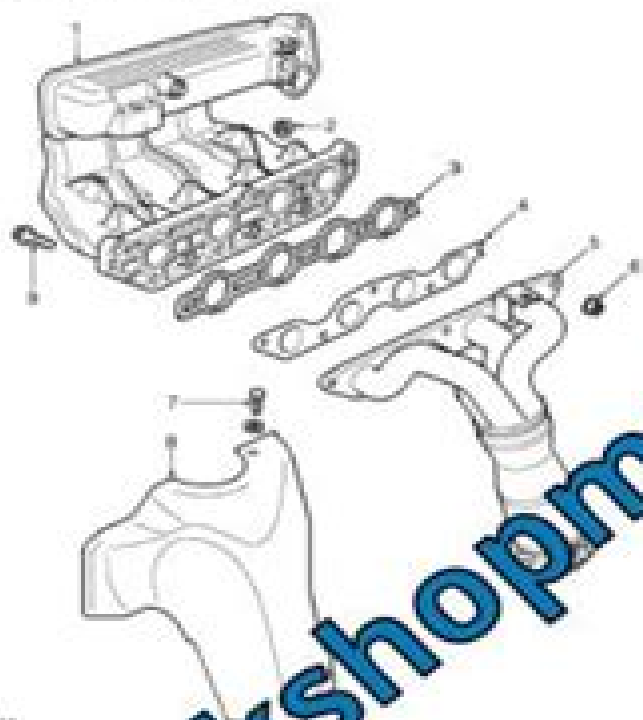


Rover 45 1999-2005 Workshop Manual

MANIFOLD & EXHAUST SYSTEMS

MANIFOLD COMPONENT LAYOUT - 'W' SERIES



W12 1014

1. Intake manifold
2. Nut (x 3)
3. Gasket - inlet manifold to cylinder head
4. Gasket - exhaust manifold to cylinder head
5. Exhaust manifold

6. Nut (x 3)
7. Bolt and washer (x 2)
8. Nut (x 4)



CRANKSHAFT REAR OIL SEAL

W12 1015

Remove

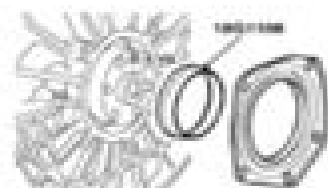
1. Disconnect battery earth lead.
2. Remove drive plate. See **ENGINE - 'W' Series, Repairs**.



3. Remove and discard 5 bolts securing crankshaft rear oil seal to cylinder block.
4. Remove crankshaft rear oil seal.

Refit

1. Clean cylinder block face and oil seal running surface on crankshaft.



W12 1016

2. Position oil seal protector tool W12 1018 to crankshaft.
3. Position oil seal to crankshaft.
4. Fit new Packless bolts and tighten to 3 Nm.
5. Remove oil seal protector.
6. Fit drive plate. See **ENGINE - 'W' Series, Repairs**.
7. Connect battery earth lead.

Download

GASKET - CYLINDER HEAD - LH

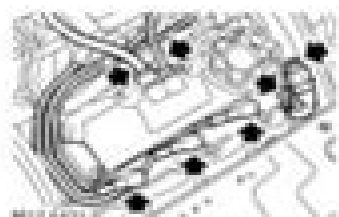
W12 1017

1. Disconnect battery earth lead.
2. Remove crankshaft timing belt. See **ENGINE - 'W' Series, Repairs**.
3. Remove inlet manifold chamber. See **MANIFOLD & EXHAUST SYSTEMS, Repairs**.
4. Drain cooling system. See **COOLING SYSTEM - 'W' Series, Adjustments**.



W12 1017

5. Remove 4 bolts securing crankshaft timing belt cover backplate to cylinder head and remove backplate.



W12 1017

6. Disconnect 3 fuel leads from spark plugs.
7. Release leads from clips.
8. Depress timing chains and release 2 breather hoses from left crankshaft cover.
9. Disconnect CRP sensor multiplex and release male multiplex from bracket on crankshaft cover.
10. Remove bolt securing multiplex bracket and remove bracket.

Rover 45 1999 2005 Workshop Service Repair Manual

Terry C. Jones



Rover 45 1999 2005 Workshop Service Repair Manual:

Rover 45 & MG ZS Series Pete Gill,2020 **Rover 45 & MGZS Petrol & Diesel Service & Repair Manual** Peter T. Gill,2007-03-01 Hatchback Saloon Does NOT cover 6 speed CVT automatic transmission fitted to 1 8 litre models Petrol 1 4 litre 1396cc 1 6 litre 1588cc 1 8 litre 1796cc 4 cyl and 2 0 litre 1997cc 2 5 litre 2497cc V6 Turbo Diesel 2 0 litre 1994cc *Motor Sport* William Boddy,1966 *Range Rover Official Workshop Manual* Bentley Publishers,Rover Group Ltd.,2011-07-01 This Range Rover repair manual is a comprehensive guide to service and repair procedures for engine and bodywork on third generation Range Rover models With detailed engine data work instructions for both gasoline and diesel fuel systems for the model years 2002 2005 this official workshop manual is a thorough source of technical maintenance service and repair information for the Range Rover owner or mechanic Engines covered BMW M62 V8 Petrol 4 4 litre BMW M57 Diesel 6 cylinder 3 0 litre

Land Rover Discovery Service and Repair Manual Steve Rendle,Mark Coombs,Robert Jex,2000 Models include Commercial special limited editions Does NOT cover revised range introduced December 1998 Petrol 3 5 litre 3528cc 3 9 litre 3947cc V8 Does NOT cover 2 0 litre Mpi petrol engine Turbo Diesel 2 5 litre 2495cc 4 cyl Tdi **Rover 414, 416 and 420 Petrol and Diesel Service and Repair Manual** Mark Coombs,A. K. Legg,2008-07-01 Hatchback Saloon inc special limited editions Does NOT cover automatic transmission models with SOHC 1 6 litre D Series Honda engine Petrol 1 4 litre 1396cc 1 6 litre 1589cc 2 0 litre 1994cc Turbo Diesel 2 0 litre 1994cc **Rover 25 and MGZR Workshop Manual** Brooklands Books,2010-02-01 This workshop manual covers both the Rover 25 the MG ZR from 1999 to 2005 Detailed maintenance and repair procedures including engine cooling fuel exhaust clutch gearbox brakes suspension steering body and much more The engines covered are the 4 cylinder 1 1 1 4 1 6 1 8 litre K Series petrol engines plus the 2 0 litre L series diesel engines *Rover 20 and MG ZR Owner's Workshop Manual* ,2015-11 A maintenance and repair manual for the DIY mechanic **Rover 211, 214, 216, 218 and 220 Petrol and Diesel and Owner's Workshop Manual** ,2012-10-01 An owners workshop manual for the Rover 211 214 216 218 220 **Rover 618, 620 and 623 Service and Repair Manual** Anon,2015-12 This is one in a series of manuals for car or motorcycle owners Each book provides information on routine maintenance and servicing with tasks described and photographed in a step by step sequence so that even a novice can do the work *Rover 214 and 414 (89-95) Service and Repair Manual* Mark Coombs,Chris Rogers,1997 *Range Rover 2002-2005 MY Workshop Manual* R. M. Clarke,2010-10 Official Workshop Manual containing comprehensive instructions on repair and maintenance Covering BMW M62 V8 Petrol 4 4 litre and BMW M57 Diesel 6 cylinder 3 0 litre Detailed engine data work instructions for both petrol diesel fuel systems This book will help you with the maintenance service repair of your vehicle Part no LRL0477 *Land Rover Discovery Series II Workshop Manual 1999-2003 MY* ,2010-03-31 Detailed engine data work instructions for both petrol diesel fuel systems Covering 4 0 V8 petrol engines and Td5 diesel engines A detailed

guide to maintenance repair covering of all parts of the car and engine including torque wrench settings emission control engine management fuel delivery cooling manifolds exhaust clutch automatic manual gear box propeller axles steering suspension brakes restraints doors exterior fittings interior trim components screens seats sunroof panel repairs heating ventilation air conditioning wipers and washers instruments and so much more *Rover 400 Series (95-98) Service & Repair Manual* ,1998 **Rover 400 Series** Mark Coombs,1998 Land Rover Series 2, 2A and 3 1958-85 Owner's Workshop Manual John Harold Haynes,1995 Rover 214 and 414 Service and Repair Manual Mark COOMBS,1996-10-01

Rover 75 / MG ZT R. M. Jex,2006 Rover 75 MG ZT Saloon Estate Tourer ZT T Does NOT cover 4 6 litre V8 rear wheel drive models Petrol 1 8 litre 1796cc 4 cyl inc turbo and 2 0 litre 1997cc 2 5 litre 2497cc V6 Does NOT cover 4 6 litre V8 engine Turbo Diesel 2 0 litre 1950cc **Land Rover Discovery Diesel** Steve Rendle,Mark Coombs,1995

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