

With 1st cylinder in TDC firing position, cams of the exhaust camshaft (1) point upwards at an angle.



Part numbers (2) on intake and exhaust camshafts (1) point upwards.

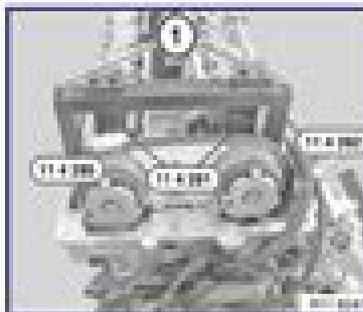
Secure special tool [11.4.285](#) with bolts (1) to cylinder head.

Note:

Fit special tool [11.4.282](#) underneath on side of intake camshaft.

Mount reworked special tool [11.4.281](#) on the intake camshaft.

Mount special tool [11.4.281](#) on the exhaust camshaft.



Important!

Only use special tool [11.4.280](#) to loosen central bolts (1 and 2) of VARDIS unit.

Release central bolts (1 and 2).



Release chain tensioner (1).

Tightening torque [11.21.282](#).

Important!

Have a cleaning cloth ready. A small quantity of engine oil will emerge after the screw connection has been released.

Make sure no engine oil runs onto belt drive.

Installation note:

Replace seating ring.

Turn increment wheel (2) in direction of arrow until retaining pins (1) on special tool [11.4.290](#) match up.

[11.4.290](#) slide on special tool in direction of arrow.

Bmw F30 Service Manual

Martynn Randall



Bmw F30 Service Manual:

BMW 3 Series (F30, F31, F34) Service Manual: 2012, 2013, 2014, 2015: 320i, 328i, 328d, 335i, Including Xdrive Bentley Publishers,2016-02-16 The BMW 3 Series F30 F31 F34 Service Manual 2012 2015 contains in depth maintenance service and repair information for the BMW 3 Series from 2012 to 2015 The aim throughout has been simplicity and clarity with practical explanations step by step procedures and accurate specifications Whether you re a professional or a do it yourself BMW owner this manual helps you understand care for and repair your 3 Series Engines Gasoline N20 engine 320i 328i including xDrive N26 SULEV engine 328i including xDrive N55 engine 335i including xDrive *Bentley BMW 3 Series Service Manual 1992-1998* Bentley Publishers,1999 If you re looking for better understanding of your E36 BMW look no further See and learn how to perform routine maintenance procedures with the highest level of clarity and comprehensiveness This in depth manual provides maintenance procedures for everything from brake fluid changes to resetting the service indicator Covers M3 318i 323i 325i 328i sedan coupe and convertible models 1992 98 *BMW Z3 Roadster* ,1998 This Bentley Manual is the only comprehensive single source of service information specifications available for BMW Z3 Roadster from 1996 to 1998 The aim throughout this manual has been simplicity clarity completeness with practical explanations step by step procedures accurate specifications Whether you re a professional or a do it yourself BMW owner this manual will help you understand care for repair your Z3 Roadster **BMW 3- & 5-Series Service and Repair Manual** ,2013 *The Autocar* ,1987 *Autocar & Motor* ,1992-08 *Jane's All the World's Aircraft* Frederick Thomas Jane,2003 **BMW 3 Series Service Manual 1984-1990** Bentley Publishers,2010-11-01 This Bentley Manual is the only comprehensive single source of service information and specifications for BMW 3 Series E30 cars from 1984 1990 Whether you re a professional technician or a do it yourself BMW owner this manual will help you understand maintain and repair every system on 3 Series cars **BMW 3-series Service and Repair Manual** Mark Coombs,Steve Rendle,1996 **Owners Workshop Manual for BMW 3-series** Martynn Randall,2015 **BMW 3- & 5-series Service and Repair Manual** Andrew K. Legg,Larry Warren,1998 BMW 3 Saloon Touring Saloon 81 88 up to F 5 Series E34 518i 520i 525i 530i 535i Saloon Touring 88 91 F to J Does NOT cover models with DOHC V8 or Diesel engines or 4x4 For other 3 5 series models see manuals no 0276 0632 0815 1560 or 3210 Petrol 1 6 litre 1596cc 1 8 litre 1766 1795cc 2 0 litre 1990cc 2 5 litre 2494cc 2 8 litre 2788cc 3 0 litre 2986cc 3 5 litre 3430cc SOHC **Workshop Manual for Hunter Range** Intereurope, **BMW 7 Series Service Manual** ,1999 BMW repair manuals The ultimate service manuals Bentley manuals are the only comprehensive single source of service information and specifications available for BMW cars These manuals provide the highest level of clarity and completeness for all service and repair procedures Enthusiasts do it yourselfers and professional technicians will appreciate the quality of photographs and illustrations theory of operation and accurate step by step instructions If you are looking for better understanding of your BMW look no further than Bentley Even if you do not repair

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