

11.21.000

Replacing crankshaft (100)



Special tools required:

- [11.1.230](#)
- [11.1.120](#)
- [11.4.120](#)
- [11.4.440](#)
- [11.6.400](#)
- [11.6.201](#)
- [11.6.202](#)
- [11.6.203](#)



Important:

Aluminium screw bolts are permitted with and without colour coding (blue).

Aluminium screw bolts must be replaced each time they are removed.

For reliable identification:

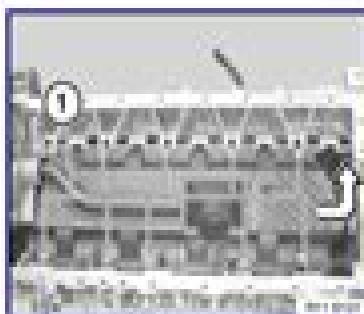
Aluminium screw bolts are not magnetic.

Locking torque and angle of rotation must be observed without fail (risk of damage).



Necessary preliminary tasks:

- Remove [engine](#)
- Mount engine on [assembly stand](#)
- Remove [vibration damper](#)
- Remove [crankcase](#)
- Remove [crankcase](#)
- Remove timing [chain module](#)
- Remove oil pump/vacuum pump [chain module](#)
- Remove [cylinder head](#)
- Remove [flywheel](#)
- Removing all [bolts](#)



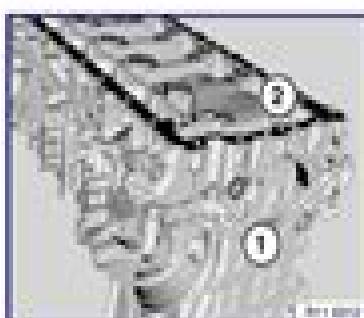
Release screw (1).

Tightening torque [11.1.1.500](#).

Installation note:

Replace aluminium screws.

Remove oil deflector with integrated intake snorkel.

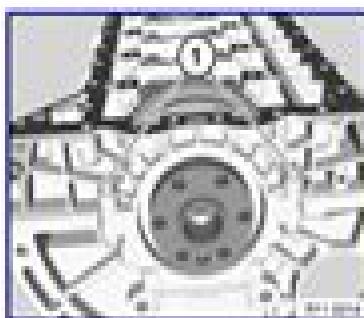


Release aluminium screws (1).

Release aluminium screws (2).

Installation note:

Replace aluminium screws.



Release aluminium screw (1).

Installation note:

Replace aluminium screws.

Note:

Graphic shows M12.

Release screw (1).

Undercase screw (2).

Installation note:

Replace aluminium screws.

Release steel screws (14 to 1) from outside intake.

Bmw Factory Repair Manual

Bentley Publishers

Bmw Factory Repair Manual:

BMW 3- & 5-Series Service and Repair Manual ,2013 **BMW Isetta Factory Repair Manual** Velocepress,BMW AG,2002-01-01 The BMW Isetta holds a special place in the hearts of micro car enthusiasts around the world VelocePress has published this English language version of the original 1957 four language BMW Isetta Factory Manual to help you keep your Isetta on the road and good repair BMW 5 Series Diesel (03-09) 52 to 10 Martynn Randall,2011 BMW 5 Series Saloon E60 and Touring E61 with 4 6 cylinder turbo diesel engines 520d 525d 530d 2 0 litre 1995cc 2 5 litre 2497cc 3 0 litre 2993cc turbo diesel Does NOT cover petrol models 535d twin turbo diesel models or models with xDrive transmission Does NOT cover new 5 Series F10 F11 range introduced during 2010 **B. M. W.3 Series Service and Repair Manual** Peter G. Strasman,1995 **BMW 3-series Service and Repair Manual** Mark Coombs,Steve Rendle,1996 **Bentley BMW 5-Series 1989-95 Service Manual** Bentley Publishers,1998-07-03 If you're looking for better understanding of your BMW look no further This manual provides the highest level of clarity and completeness for all service and repair procedures

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Volvo 240 Service Manual 1983 Through 1993 Bentley Publishers,1993 Vehicle Maintenance

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Service and Repair Manual for BMW 1 Series Martynn Randall,2011 Hatchback and Coupe models with 4 cylinder petrol and diesel engines 1 6 litre 1596cc and 2 0 litre 1995cc petrol engines 2 0 litre 1995cc diesel engine Does not cover 2 5 or 3 0 litre engines or features specific to Convertible

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