

# Volkswagen Crafter Workshop Manual

4-cylinder diesel engine (2.1 engine, common rail) - Edition 03.2016

**1 - Exhaust manifold with turbocharger**

- Remove complete unit only.
- Removing and installing [a.0000.212](#).

If the oil return line is separated at the hose clip [a.0000.212](#) or if it is damaged, the forces of the oil return line must be released.

- Check oil supply lines for damage before installing them.
- Tube tightening sequence and installation positions [a.0000.212](#).
- When turbocharger and connecting pipes are being assembled, it is essential that the correct hose set - 3752 (Electronic Parts Catalogue) is used.

**2 - Exhaust gas temperature sensor 1 - 0225**

- Lubricate thread of sensor using high-temperature grease in Electronic Parts Catalogue.
- Exhaust temperature sensor 1 - 0225 must not be bent or forced when removing and installing.
- Exhaust temperature sensor 1 - 0225 must not contact any other component or insulation.
- Set to 0.

**3 - Nut**

- Remove after removing.
- 28 Nm.
- Tightening sequence [a.0000.212](#).
- Procedure for dismantling and assembly.
- Position turbocharger on studs on cylinder head.
- Tighten turbocharger bolts in specified sequence [a.0000.212](#).
- Initially, tighten nut hand tight. Then, tighten nut again to prescribed torque.

**4 - Gasket**

- Remove after removing.

**5 - Gasket**

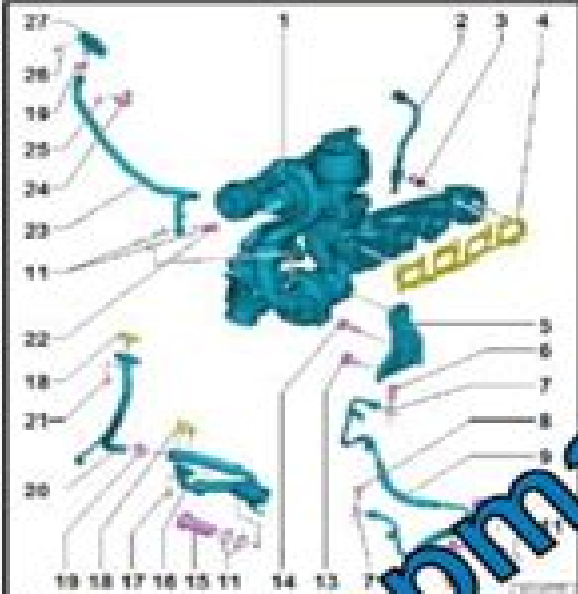
- Remove after removing.

**6 - Bore seal**

- 30 Nm.

**7 - Double seal**

- Remember that there are various sizes.
- Remove after removing.



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**Version A: lock crankshaft pulley with mark in position**

- Lock crankshaft pulley in position with crankshaft stop - T10490.
- Marking on toothed belt pulley - 2 - and crankshaft stop - 1 - must align.
- Pin of crankshaft stop - T10490 - must engage in hole of timing flange.
- The crankshaft stop - T10490 - can be pushed into the toothed belt pulley only from the front side.

**For crankshaft pulley**

- It is not possible to use crankshaft stop - T10490.
- Lock crankshaft pulley with crankshaft stop - T10490.
- Pin of crankshaft stop - T10490 - must engage in threaded holes of toothed belt pulley.
- Crankshaft stop - T10490 - must engage in hole of timing flange.

**Version B: lock crankshaft pulley without mark in position**




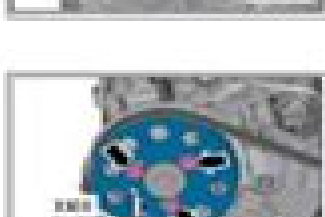
**Note**

Use only the crankshaft stop - T10490 - to lock crankshaft pulley without a mark in position.

- Lock crankshaft pulley in position with crankshaft stop - T10490.
- Pin of crankshaft stop - T10490 - must engage in threaded holes of toothed belt pulley.
- Locking pin of crankshaft stop - T10490 - must engage in hole in timing flange.

**Continuation for all**

- Loosen bolts - clockwise - approx. 90°.

# Vw Crafter Repair Manual

**Volkswagen of America**

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the 'Volkswagen of America' text.

## **Vw Crafter Repair Manual:**

*Volkswagen Type 3 Workshop Manual* Bentley Publishers, 2004 The Volkswagen Type 3 Workshop Manual 1961 1967 covers Type 3 models Fastback Squareback Notchback and Type 3 Karmann Ghia 1500 coupe This book represents the sixth title in our line of vintage Volkswagen repair manuals and compiles original Volkswagen official service and repair information for US and Canada Type 3 models for the first time in a single volume Popular Electronics ,1979 **VW Owners Workshop Manual** Ian Coomber, John Harold Haynes, A. K. Legg, 1989 VW Type 3, 1500 and 1600, 1963-1973 John Haynes, 1993 Haynes disassembles every subject vehicle and documents every step with thorough instructions and clear photos Haynes repair manuals are used by the pros but written for the do it yourselfer **Volkswagen Workshop Manual Types 11, 14, and 15: 1952-1957** Volkswagen of America, 1998-01-01 Now available after being out of print for nearly 40 years a vintage reprint of original air cooled Volkswagen repair information for all Volkswagen Type I Beetle and Karmann Ghia models sold in the USA and Canada This historical archive edition covers procedures for routine maintenance troubleshooting repair and rebuilding Air cooled Volkswagens Type 11 14 15 covered Volkswagen Type 11 Beetle Sedan Volkswagen Type 14 Karmann Ghia Coupe Volkswagen Type 15 Beetle Convertible Engines covered in this Volkswagen repair manual Volkswagen Air cooled Type 1 upright engine 1131cc 25hp Volkswagen Air cooled Type 1 upright engine 1192cc 36hp from January 1954 Volkswagen Air cooled Type 1 upright engine 1192cc 36hp from August 1955 Transmissions covered in this Volkswagen repair manual Volkswagen Standard with non synchronized crash box transmission Volkswagen De Luxe with 2nd 3rd and 4th gear synchronized transmission Technical highlights Engine and cylinder head service repair and reconditioning including bench testing procedures and specifications for 25hp and 36hp motors Solex 28 PCI carburetor and Solex fuel pump troubleshooting rebuilding and adjustment Transmission removal rebuilding and adjustment including special needle bearings on synchromesh transmissions Frame floor and body panel repair All measurements and detailed cutting alignment and welding instructions Painting preparation and procedures Body repair and replacement procedures including the sliding fabric sunroof and convertible top Complete wiring diagrams All factory changes and updates are noted in the text by manufacturing date chassis number engine number and part number Full explanations of the operation of all systems with exploded views cutaways and diagrams Required workshop equipment tools and equipment for local manufacture listings Troubleshooting tables for clutch carburetor fuel pump steering brakes generator starter and wipers Maintenance and lubrication charts and procedures **VW Owners Workshop Manual** ,1980 Volkswagen Transporter Workshop Manual, 1963-1967 Volkswagen of America, 1992 Just as the Beetle started a long tradition of Volkswagen automotive excellence these are the manuals that created the Bentley reputation for clarity thoroughness and indispensability Our air cooled Volkswagen manuals provide both do it yourself owners and professional mechanics with clear explanations and illustrations detailed service steps and time saving troubleshooting tips In the same tradition as our classic

1961 1965 Type 1 manual this manual offers owners of 1960s vintage Transporters the long out of print factory repair information Indispensable to anyone interested in the history or restoration of the Transporter this book includes complete coverage of 1200 and 1500 engines dual circuit brakes and body dimension specifications for all models including those with a sliding sunroof All factory updates are listed by chassis number and date introduced This is the one book no serious Type 2 enthusiast should be without *VW Transporter 1700, 1800 and 2000, 1972-1979* John Haynes, 2005-12-01 Haynes disassembles every subject vehicle and documents every step with thorough instructions and clear photos Haynes repair manuals are used by the pros but written for the do it yourself *VW Automotive Repair Manual* Motorbooks International, 1990-01-01 **VW Transporter Service and Repair Manual** Matthew Minter, John S. Mead, 1998 Van Pickup Minibus Caravelle with water cooled engines Does NOT cover Syncro or features specific to specialist bodywork camper conversions Petrol 1 9 litre 1913cc 2 1 litre 2109cc **Chilton's Volkswagen Air-cooled** Chilton Book Company, 1997 The Total Car Care series continues to lead all other do it yourself automotive repair manuals This series offers do it yourselfers of all levels TOTAL maintenance service and repair information in an easy to use format Each manual covers all makes format Each manual covers all makes and models unless otherwise indicated Based on actual tear-downs Simple step by step procedures for engine overhaul chassis electrical drive train suspension steering and more Trouble codes Electronic engine controls *Volkswagen Transporter Workshop Manual* Bentley Publishers, 2006-03-05 Just as the Beetle started a long tradition of Volkswagen automotive excellence these are the manuals that created the Bentley reputation for clarity thoroughness and indispensability Our air cooled Volkswagen manuals provide both do it yourself owners and professional mechanics with clear explanations and illustrations detailed service steps and time saving troubleshooting tips **VW Golf & Jetta Automotive Repair Manual** George Parise, 2002 Inside this manual the reader will learn to do routine maintenance tune up procedures engine repair along with aspects of your car such as cooling and heating air conditioning fuel and exhaust emissions control ignition brakes suspension and steering electrical systems wiring diagrams *VW Owners Workshop Manual* Ian Coomber, 1985-01-01 **HM VW 1200 Beetle 1954-1977 All Models 1192cc** Haynes, Haynes Publishing, 2013-02 A maintenance repair manual for the DIY mechanic **VW Front Wheel Drive**, 1990 Total Car Care is the most complete step by step automotive repair manual you ll ever use All repair procedures are supported by detailed specifications exploded views and photographs From the simplest repair procedure to the most complex trust Chilton's Total Car Care to give you everything you need to do the job Save time and money by doing it yourself with the confidence only a Chilton Repair Manual can provide *VW Golf and Jetta ('84 to '88) Owners Workshop Manual* Ian Coomber, 1988-01-01 **VW Owners Workshop Manual** Ian Coomber, 1990-01-01 *VW Owners Workshop Manual* Andrew K. Legg, 1982 *VW Owners Workshop Manual* Ian Coomber, 1987-01-01

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