

2.3 EGR System Assembly Overview

1 • Bracket

- ① For the bypass flap

2 • Nut, 20 Nm

3 • Nut, 8 Nm

4 • Intake Manifold

- ① With the intake flap installed

5 • Gasket

- ① Always replace

6 • Exhaust Gas Recirculation (EGR) Vacuum Regulator Solenoid Valve With Gasket

- ① Replacing and installing, refer to

• **7.1 EGR Vacuum Regulator Solenoid Valve** (page 157)

7 • Nut, 10 Nm

8 • Gasket

- ① Always replace

9 • Connecting Pipe

10 • Cooler

- ① For the Exhaust Gas Recirculation (EGR) system

- ① Replacing, refer to

• **7.1 Exhaust Gas and EGR Cooler** (page 157)

11 • Exhaust Manifold/Turbocharger

12 • Gasket

- ① Always replace

13 • Nut, 20 Nm

- ① Always replace

14 • Connecting Pipe

15 • Gasket

- ① Always replace

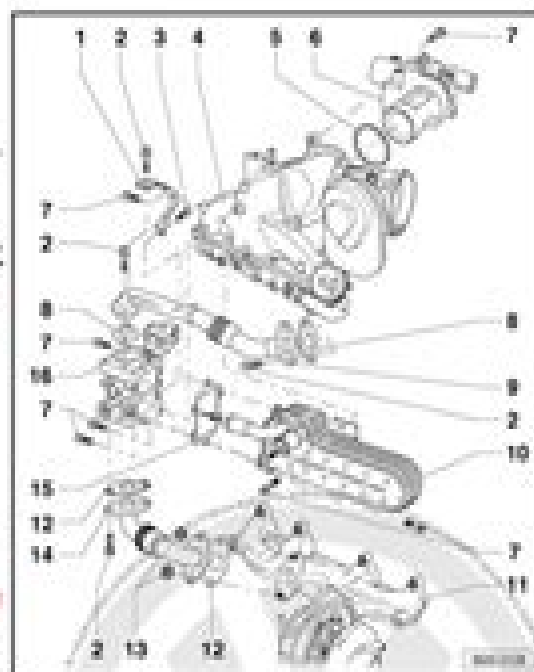
16 • Bypass Flap

- ① Guides the exhaust gas via activating through the EGR cooler switch-over valve into the EGR cooler
- ② Vacuum diaphragm connection diagram: Refer to

• **7.1 Vacuum lines Connection Diagram** (page 155)

- ③ Connecting, refer to

• **7.1 Exhaust Gas and EGR Cooler** (page 155)



3 Specifications

• **7.1 Fastener Tightening Specifications** (page 159)

3.1 Fastener Tightening Specifications

Component	Fastener Size	Nm
Bypass Flap Bracket to Bypass Flap Rear Bolt	-	5
Bypass Flap Bracket to Intake Manifold Bolt	-	10
Bypass Flap to Exhaust Gas Recirculation Cooler Bolt	-	10
Connecting Pipe to Bypass Flap Bolt	-	20
Connecting Pipe to Intake Manifold Bolt	-	20
Connecting Pipe to Turbocharger/Exhaust Manifold Nut ¹	-	22
Coolant Drain Nut	-	40
Exhaust Gas Recirculation Cooler to Bypass Flap Bolt	-	10
Exhaust Gas Recirculation Cooler to Intake Manifold Bolt	-	10
Exhaust Gas Recirculation Vacuum Regulator Solenoid Valve to Intake Manifold Bolt	-	10
From Exhaust Pipe with Catalytic Converter to Turbocharger/Exhaust Manifold Nut ¹	-	25
Suspended Mount to Subframe Bolt ¹	-	25
Suspended Mount to Tunnel Bridge Bolt	-	25
Suspended Mount to Underbody Bolt	-	25
Tunnel Bridge to Underbody Nut	-	25

¹ Always replace

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Water-Cooled VW Performance Handbook Greg Raven, Chad Erickson, 2011-05-15 Turn your VW into a high performance machine Chad Erickson explains everything from low buck bolt ons to CNC machined mods Learn how to choose install tune and maintain performance equipment for Golfs GTIs Jettas Passats and more This book will help improve your VW s engine transmission and clutch ignition carburetion fuel injection suspension and handling brakes body and chassis In its 3rd edition Water Cooled VW Performance Handbook is now updated to include new engines body styles and modifications for the 1986 2008 model years [VW Golf & Jetta Automotive Repair Manual](#) ,1997 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 *The Complete Book of Volkswagen GTI* Russell Hayes, 2025-10-28 Take a visually thrilling joy ride through the complete history and influence of one of the most enduring and pleasurable consumer focused sports cars of all time VW has sold over 2.5 million Golf GTIs across eight generations since its debut in 1975 as a 1976 model and the car remains popular with both seasoned and newer collectors including Gen X and Millennial enthusiasts Celebrating 50 years of continuous production The Complete Book of Volkswagen GTI is the ultimate resource for the sportier side of VW enthusiasts and racing fans This comprehensive book features A look back at the GTI s rich racing history including World Rally Touring Car and other categories Details on other performance models like the Scirocco Corrado Golf R32 Jetta GLI and more Fresh insights interviews and more Lavishly illustrated pages The Complete Book of Volkswagen GTI will delight and inspire any classic racing fan and VW enthusiast in your life [VW New Beetle : The Performance Handbook](#) Keith Seume, 2001 **VW GTI, Golf, Jetta, MK III & IV** Kevin Clemens, Volkswagen s GTI Golf and Jetta are long time favorites among sport compact performance enthusiasts With engines ranging from the 2.0 liter naturally aspirated four cylinder to the 1.8 liter turbo 4 to the VR6 the Mk III and Mk IV generations 1993 2004 offer tuners a wealth of opportunities This book turns these opportunities into realities from deciding which vehicle to buy to keeping it running in tip top condition to enhancing the performance and appearance of your VW Focusing on the engine wheels and tires suspension body kits interiors and more each project includes straightforward instruction along with details about the necessary parts cost time and skill If you want to get the biggest bang for your VW buck this book is your road map [Applesauce](#) DSK, 2023-08-28 This is DSK s second book with Page Publishing The title of this work with Page is Applesauce It is a continuation and explanation of his first work Lemonade and follows in the same mode of aphoristic storytelling Lemonade and Applesauce are in the same set There are many stories or books as DSK calls them in both Lemonade and Applesauce In Applesauce there is a book about a transcontinental motorcyclist a book concerning the preparation for a sea voyage a book about some of the author s few

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language learner in mind and moves from day to day dialogue to a comprehensive breakdown of the grammatical elements contained in the previous dialogue Important cultural notes give a context to the user while exercises reinforce newly acquired concepts and terminology at the end of each chapter The appendix contains a full glossary commonly heard Norwegian expressions and a key to the exercises Includes 2 companion CDs **New York Magazine** ,1988-05-30 New York magazine was born in 1968 after a run as an insert of the New York Herald Tribune and quickly made a place for itself as the trusted resource for readers across the country With award winning writing and photography covering everything from politics and food to theater and fashion the magazine s consistent mission has been to reflect back to its audience the energy and excitement of the city itself while celebrating New York as both a place and an idea *Popular Mechanics* ,1985-08 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle **Handbook of Polymer Blends and Composites** A. K. Kulshreshtha,Cornelia Vasile,2002 **New York Magazine** ,1988-09-05 New York magazine was born in 1968 after a run as an insert of the New York Herald Tribune and quickly made a place for itself as the trusted resource for readers across the country With award winning writing and photography covering everything from politics and food to theater and fashion the magazine s consistent mission has been to reflect back to its audience the energy and excitement of the city itself while celebrating New York as both a place and an idea Automotive Fuel Efficiency United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Energy and Power,1989

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