

GReddy Intercooler Kit

98-05 VW GOLF IV (1.8T) Front mount Type31

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Installation Manual

Please read the entire manual before installing this kit.

Application:

Make	Model	Year
VW	GOLFIV	98-05

- This **GReddy Intercooler Kit** is designed only for the vehicles specified above.
- Premium grade gasoline (92 octane or higher) is required with this Kit.

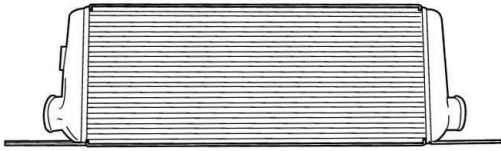
Important

1. This installation should only be performed by a trained specialist who is very familiar with the automobile's mechanical, electrical and fuel management system.
2. If installed by an untrained person, it may cause damage to the kit as well as the vehicle.
3. GReddy Performance Products Inc. is not responsible for any damage to the vehicle's electrical system caused by improper installation.

1.PARTS LIST

1. Intercooler	Type31C				1
2. Intake Pipe	I-1 (50 φ Aluminum)				1
3. "	I-2 (50 φ Aluminum)				1
4. "	I-3 (50 φ Aluminum)				1
5. "	I-4 (60 φ Aluminum)				1
6. Hose	50 φ × 70mm	Straight			3
7. "	60 φ × 70mm	Straight			1
8. "	50 φ - 60 φ	Reducer			1
9. Hose Band	50 φ	Tridon #32			7
10. "	60 φ	Tridon #36			3
11. Intercooler Bracket					1 set
12. Aluminum Spacer					3
13. Zip Ties 150mm					5
14. Thrust sensor adapter					1
15. 6mm × 15mm	P=1.0	Stainless B	S/W	F/W -	2
16. 6mm × 25mm	P=1.0	Stainless B	S/W	F/W -	1
17. 8mm × 20mm	P=1.25	Stainless B	S/W	F/W N	2

— 1.PARTS LIST —



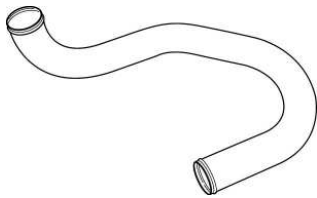
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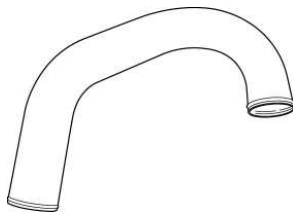
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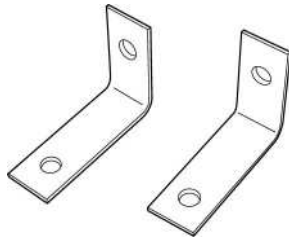
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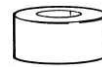
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9. 10



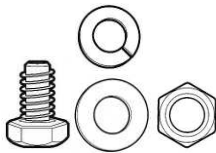
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12



13



14 ~ 16

2. Stock Parts Removal

2-1 Disconnect the negative terminal of the battery.

2-2 Remove the under engine cover.

2-3 Remove the front grill and front bumper.

2-4 Remove the Intercooler hose.

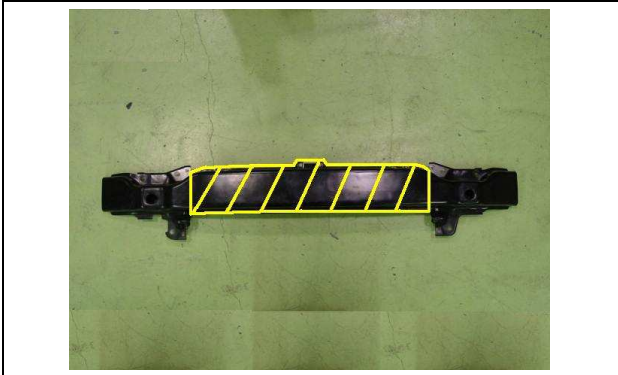
2-5 Remove the Intercooler.

2-5 Remove the pressure sensor from the Intercooler.

3. Kit Installation

3-1 Bumper Reinforcement modification

Trim the marked area on the bumper reinforcement as shown.



3-2 Body Modification (1)

Cut the shaded area of the body at the left and right front body as shown.



3-3 Body Modification (2)

Cut the shaded area of the body at the front body as shown.



3-4 Intercooler installation

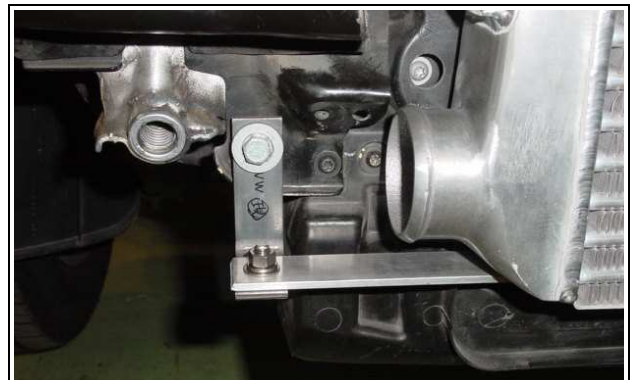
- (1) Install the intercooler bracket as shown using the provided spacer between the body and bracket.

〈Parts used # 11. 12〉

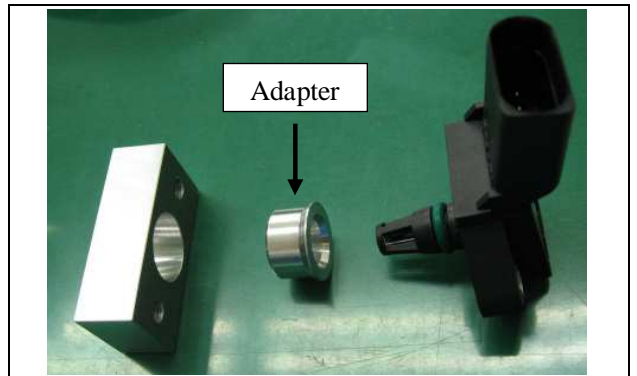


- (2) Install the intercooler to the bracket as shown.

〈Parts used # 1. 14. 16〉



- (3) Install the thrust sensor as shown, using the provided bolt and washer.



※There are two types of thrust sensors. If the sensor is too small for the hole, use the provided adapter to place in between the sensor and intercooler. Lightly coat the outside of the adapter with silicone sealant before installing.

3-5 Intercooler Pipe Installation

- (1) Install the I-1•I-2•I-3pipe between the turbo and the intercooler using provided hose and hose bands as shown.

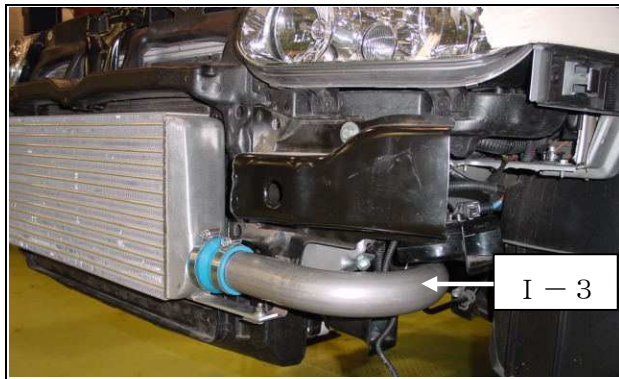
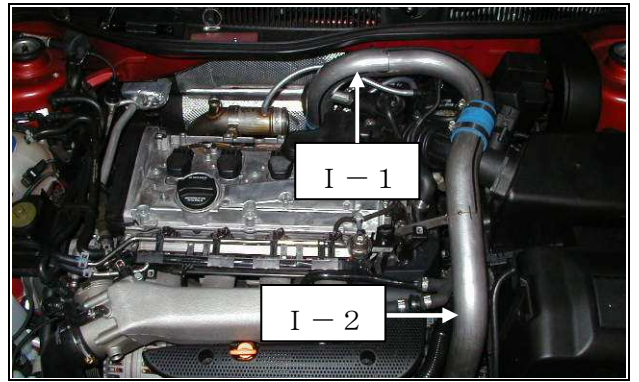
〈Parts used #2. 3. 4. 6. 8. 9. 10〉

- (2) Install the Charge Pressure By-pass Valve using connecting hose.

※Cut the connecting hose between charge valve and I-1 by measuring and confirming the necessary length

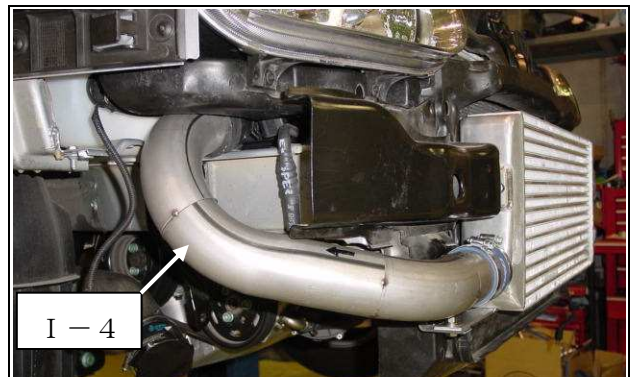
- (3) Install the I-2pipe Bracket as shown, using the provided spacer.

〈Parts used #12. 15〉



- (4) Install the I-4pipe between the intercooler and the throttle body using provided hose and hose bands as shown.

〈Parts used #5. 7. 10〉



3—7 Bumper Modification and Installation

- (1) Cut the Bumper to clear the Intercooler and Intake pipe.
- (2) Reinstall the front bumper.

3—8 Starting the Engine

- (1) Check all the pipe and hose connections, then reconnect the negative side of the battery.
- (2) Start the engine. While idling, check for any air leaks
- (3) After inspection, reinstall the front bumper, under cover and other stock parts that was removed.

This completes the Intercooler kit installation.