

GReddy Intercooler Kit

2009 – on HYUNDAI GENESIS TURBO

Front mount Type 24 LS

Installation of this kit requires modifications to the front bumper and removal of the bumper reinforcement. Please check with the owner of the vehicle before installing this kit.

GReddy

2009 –on HYUNDAI GENESIS TURBO
Front mount Type 24LS

Installation Manual

Please read the manual before installing this kit.

Application:

MAKE	MODEL	CHASSIS	ENGINE	YEAR
HYUNDAI	GENESIS TURBO	HGC20	4B11T	2009 – ON

- This ***GReddy Intercooler Kit*** is designed for the original turbo.
- Premium grade gasoline (91 octane or higher) is required with this Kit.

Important

1. This installation should only be performed by a trained specialist who is familiar with the automobile's mechanical and electrical 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 caused by improper installation.
4. Call your GReddy Authorized dealer or GReddy Performance Products if there are any problems or questions regarding this product.

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PARTS LIST

1.	Intercooler	Type 24 LS		1
2.	Intake Pipe	I-1 (50Φ Aluminum)		1
3.	"	I-2 (50Φ Aluminum)		1
4.	"	I-3 (60Φ Aluminum)		1
5.	"	I-4 (70Φ Aluminum)		1
6.	Silicone Hose PR	50Φ × 70mm	Straight	2
7.	"	60Φ × 70mm	Straight	1
8.	"	70Φ × 70mm	Straight	1
9.	Reducer Hose	50Φ – 60Φ	Reducer	1
10.	"	60Φ – 70Φ	Reducer	1
11.	Hose Band	50Φ	Hose Clamp #32	5
12.	"	60Φ	Hose Clamp #36	4
13.	"	70Φ	Hose Clamp #44	3
14.	P/S Oil Cooler Clamp			1
15.	Aluminum Spacer	t=8		1
16.	6mm	Stainless	F/W	1
17.	6mm x 15mm	Stainless	B S/W F/W	3
18.	6mm x 15mm	Stainless	B S/W F/W N	1
19.	6mm x 20mm	Stainless	B S/W F/W	1

PARTS LIST



1



2



3



4



5



6 - 10



11 - 13



14



15



16 - 19

2. Removal of Stock Parts

Please refer to the factory service manual
for the proper removal of stock parts.

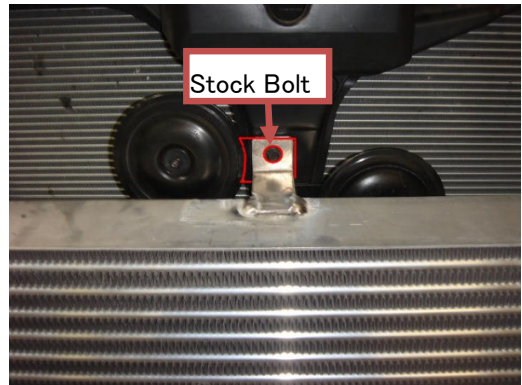
- 2-1 Disconnect the negative terminal of the battery.
- 2-2 Remove the under carriage cover.
- 2-3 Remove the front bumper.
- 2-4 Remove the bumper reinforcement (this will not be reinstalled).
- 2-5 Remove the stock Intercooler piping.
- 2-6 Remove the power steering oil cooler.

3. KIT INSTALLATION

3-1 Mount the Intercooler

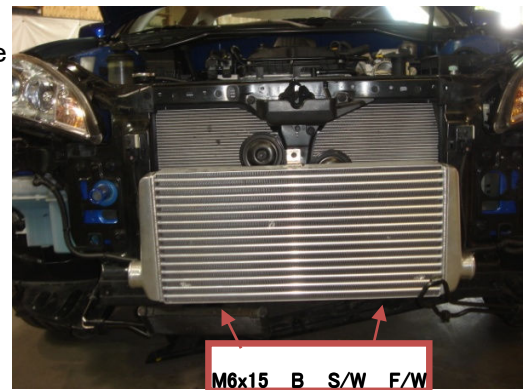
- (1) Mount the top bracket of the Intercooler to the horn bracket using the stock bolt.

(Parts used #1)



- (2) Mount the bottom bracket to the radiator core

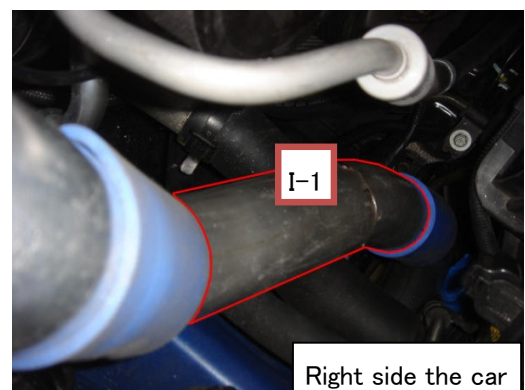
(Parts used #17)



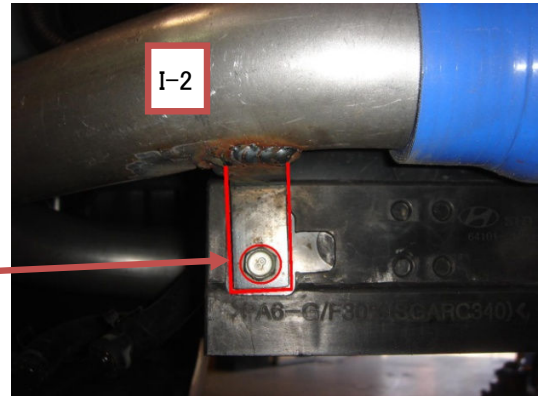
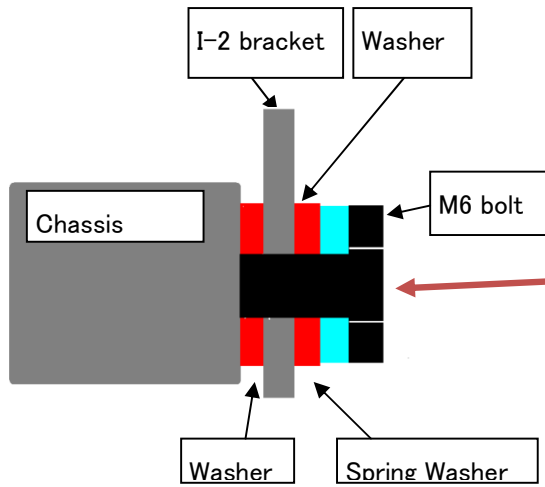
3-2 Intake Pipe installation

- (1) Install the intake pipes I-1, I-2 from the turbo outlet side stock piping to the Intercooler.

(Parts used #2, 6, 11)



(2) Install the intake pipe I-2 to Intercooler and put a washer between frame and bracket.

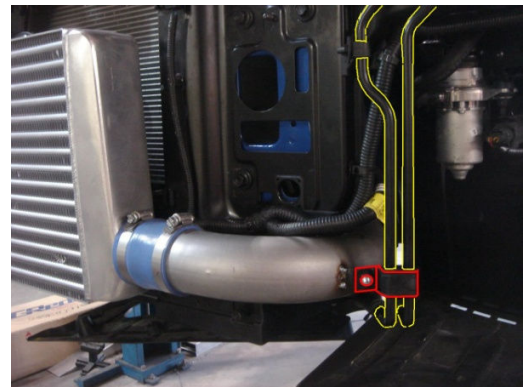


(Parts used #3, 9, 11, 12, 17, 19)

(3) Install the Intercooler pipe I-3 and relocate the power steering oil cooler.



Use clamp spacer
M6x 20mm bolt

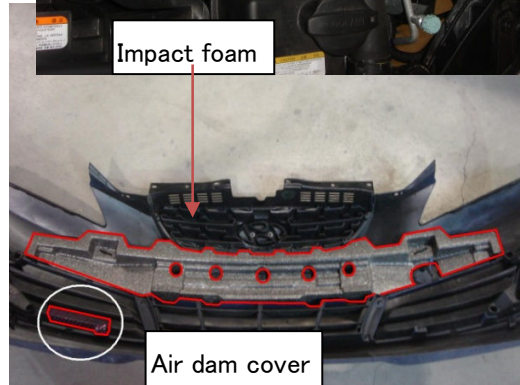


(Parts used #4, 7, 12, 14, 15, 16, 18, 19)



- (4) Install the Intercooler pipe I-4 and reinstall the stock pressure sensor on the I-4.

(Parts used #5, 8, 10, 12, & 13)



3-3 Bumper Modification

- (1) Remove the impact foam from the bumper.

- (2) Cut the outlined area of the bumper to clear the intercooler.



4 . 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 carriage cover and other stock parts that was removed. Secure the bottom of the bumper with intercooler bracket (Front Bumper Reinforcement will not be Reinstalled).

This completes the Intercooler Installation