

GReddy Intercooler Kit

SCION xB Front mount Type 31

SCION xB Front mount Type 31

Installation Manual

Please read the entire manual before installing this kit.

Application:

Make	Model	Chassis	Year
SCION	xB	NCP31	2003–2006

- This ***GReddy Intercooler Kit*** is designed only for the vehicles specified above, with **GReddy Turbo Kit (part # 11510080)** installed.
- 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 very 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's electrical system caused by improper installation.
4. Call your GReddy Authorized dealer or GReddy Performance Products if there are any problems or questions regarding this product.

1.PARTS LIST

1. Intercooler	Type31				1
2. Intake Pipe	I-1	(Aluminum	50 φ)		1
3. "	I-2	(Aluminum	50 φ)		1
4. "	I-3	(Aluminum	50 φ)		1
5. "	I-4	(Aluminum	50 φ)		1
6. Silicone Hose	50 φ × 70mm				1
7. "	50 φ - 60 φ Reducer				2
8. Hose Band	50 φ	Tridon	#32		4
9. "	60 φ	Tridon	#36		2
10. Aluminum Spacer	EGR51				3
11. Zip ties	150mm				5
12. Sponge Tape	20mm × 50mm				1
13. M8 × 25mm	Stainless	P=1.25	B	S/W F/W -	3

1. Parts List



1



2



3



4



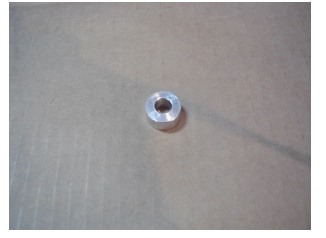
5



6, 7



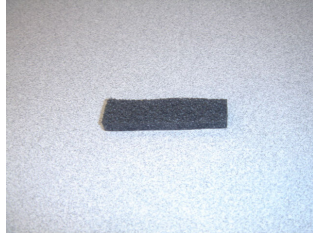
8, 9



10



11



12



13

2. Stock Parts Removal

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

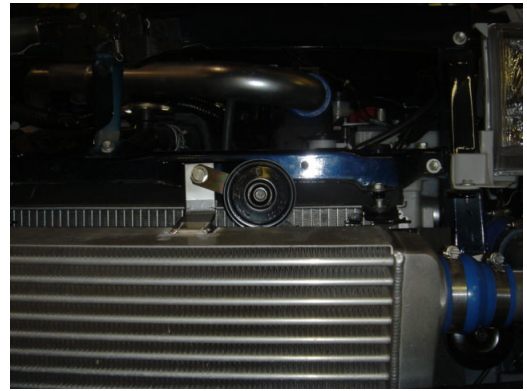
- 2-1 Disconnect the negative terminal of the battery.
- 2-2 Remove the under engine cover.
- 2-3 Remove the front bumper.
- 2-4 Remove the left and the right side horn.
- 2-5 Remove the charge pipe C-1, C-2, from the turbo kit.

3. Kit Installation

1. Core Installation

1. Install the Intercooler top bracket to the radiator core support with the horn using the provided spacer and hard ware as show.

(Parts Used #1, 10, 13)



2. Mount the side bracket of the intercooler to the sub-frame using the provided spacer and hardware as show.



2. Intake Pipe Installation

1. Install the intake pipes I-1 and I-2 from the turbo outlet to the Intercooler.

(Parts Used #2, 3, 6, 7, 8, 9)



2. Install the intake pipes I-3, I-4 from the Intercooler to the throttle body.

(Parts Used #4, 5, 6, 7, 8, 9)

※ Use the 50 ϕ -54 ϕ hose and hose clamp from the turbo kit.



3. 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.
4. On the initial run, be sure to have a boost gauge to check the turbo-actuator setting. This turbo kit is preset to boost between 0.3kg/cm² to 0.4kg/cm² (4.5-5.5 PSI).
It is very important that you monitor the boost pressure, and make sure not to over boost. Over boosting can cause engine damage.

This completes the Intercooler Kit installation.