

GReddy Intercooler Kit

2003 Nissan 350Z (VQ35DE) Front mount Type 23

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Installation Manual

Please read the entire manual before installing this kit.

Application:

Make	Model	Chassis	Year
Nissan	350Z	Z33	2003

- This **GReddy Intercooler Kit** is designed only for the vehicles specified above, with **GReddy Turbo Kit (part # 11520093)** installed.
- Premium grade gasoline (91 octane or higher) is required with this Kit.
- Make sure that the vehicle is not equipped with any ECU upgrade chips.
- Use of **GReddy Racing Spark Plugs ISO #7 LONG** or NGK plugs (colder than factory) is recommended 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 Type23								1
2.	Intake Pipe	I-1	(aluminum 50Ø)	(Right Side)					1
3.	"	I-2	(aluminum 50Ø)	(Right Side)					1
4.	"	I-3	(aluminum 50Ø)	(Left Side)					1
5.	"	I-4	(aluminum 50Ø)	(Left Side)					1
6.	"	I-5	(aluminum elbow 70Ø no.9)						1
7.	"	I-6	(aluminum 70Ø)						1
8.	Rubber Hose	10Ø	550mm						1
9.	Silicone Hose	70Ø	Straight						2
10.	"	50Ø-60Ø	Reducer						2
11.	Hose Band	10Ø	Tridon #5						6
12.	"	50Ø	Tridon #32						2
13.	"	60Ø	Tridon #36						2
14.	"	70Ø	Tridon #44						4
15.	Straight Tube	5Ø							2
16.	"	10Ø							2
17.	Power Steering Cooler								1
18.	Power Steering Cooler Bracket								1 Set
19.	Washer Tank								1
20.	Washer Tank Relocation Bracket								1 Set
21.	Washer Tank Extension Hose		(5Ø 1500mm)						2
22.	Washer Tank Extension Harness								1 Set
23.	Aluminum Spacer								1
24.	M6 x 15mm	Stainless	P=1.00	B	S/W	F/W	N		2
25.	M6 x 25mm	Stainless	P=1.00	B	S/W	F/W	-		1
26.	M8 x 15mm	Stainless	P=1.25	B	S/W	F/W	-		1

1. Parts List



1



2



3



4



5



6



7



8



9, 10



11 - 14



15, 16



17



18



19



20



21



22



23



24 - 26

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 bumper reinforcement.
- 2-5 Remove the left and the right side horn.
- 2-6 Remove the Power steering fluid cooler.
- 2-6 Remove the charge pipe C-2, C-3, and C-5 from the turbo kit.

3. Kit Installation

1. Core Installation

Mount the intercooler core as shown. Secure the top bracket to the hood latch assembly and the bottom bracket to the sub-frame.

(Parts Used #1, 24, 26)



2. Intake Pipe Installation

- 1) Install the Intake pipe I-1 and I-2 from C-1 pipe from the turbo kit to the top intercooler in-let as shown.
- 2) Install the Intake pipe I-3 and I-4 from C-4 pipe from the turbo kit to the bottom intercooler in-let as shown.
- 3) Install the Intake pipe I-5 and I-6 from intercooler outlet to the airflow meter as shown.

(Parts Used #2, 3, 4, 5, 6, 7, 9, 10, 12, 13, 14)



Right side turbo (C-1) to the Intercooler intercooler



Left side turbo (C-4) to the



Right side turbo I-2 to the intercooler



Intercooler to the airflow meter

3. Power Steering Fluid Cooler Installation

Install the power steering fluid cooler as shown.

(Parts Used #8, 11, 16, 17, 18)



3. Horn and Air Bag sensor relocation

Relocate the horn and the air bag sensor using the provided brackets as shown.

(Parts Used #22, 23, 25)



4. Washer tank Installation

- 1) Remove the washer pump from the factory washer tank and reinstall them to the provided tank.
- 2) Mount the washer tank using provided brackets as shown.
- 3) Connect the hoses and the wires using the provided extension harness and hoses.

(Parts Used #15, 19, 20, 21, 22)



5. Front Bumper Modification

Trim the grill off and all the area that would contact the intercooler core.



6. Starting the Engine

- (1) Refill the coolant and the power steering fluid to factory spec.
- (2) Check all the hoses and wires connection, then reconnect the negative side of the battery.
- (3) Start the engine.
- (4) Turn the steering wheel all the way left and all the way right. Fill the power steering fluid if necessary.
- (5) While idling, check for any oil, coolant, or air leaks.
- (6) After inspection, reinstall the under cover and other stock parts that was removed.
- (7) After inspection, reinstall the under cover and other stock parts that was removed.
- (8) 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 0.6kg/cm^2 to 0.5kg/cm^2 . 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.