

GReddy Intercooler Kit

2003 Infiniti G35 Coupe (VQ35DE) Front Mount Type 23

Installation of this kit requires modifications to the front bumper reinforcement. Please check with the

owner of the vehicle before installing this kit.

2003 Infiniti G35 Coupe (VQ35DE) Front Mount Type 23

Installation Manual

Please read the entire manual before installing this kit.

Application:

Make	Model	Chassis
Infiniti	G35 Coupe	CPV35
2003		

- This **GReddy Intercooler Kit** is designed only for the vehicles specified above, with **GReddy Turbo Kit (part # 11520077)** 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 Exhtension 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
the intercooler

Left side turbo (C-4) to



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)



4. 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)



5. 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.
- 4) Cut the grill as shown. (Parts Used #15, 19, 20, 21, 22)



6. Front Bumper Modification

Install the front bumper.



7. 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.