

FRONT PIPE INSTRUCTION MANUAL







NAME OF PRODUCT	FRONT PIPE
PART NUMBER	33004-KF001
APPLICATION	SUBARU IMPREZA GDB STi
ENGINE	EJ207
YEAR	November, 2002 - May, 2004
MANUAL NUMBER	E65400-F41370-00 Ver. 3-3.01 (June, 2005)
REMARKS	<ul style="list-style-type: none">· This product is designed for installation on Impreza 's with a Twin Scroll Turbine.· This product cannot be installed on models manufactured after June, 2004; due to the difference in the length of the front pipe.

NOTICE

This manual assumes that you have and know how to use the tools and equipment necessary to safely perform service operations on your vehicle. This manual assumes that you are familiar with typical automotive systems and basic service and repair procedures. Do not attempt to carry out the operations shown in this manual unless these assumptions are correct. Always have access to a factory repair manual. To avoid injury, follow the safety precautions contained in the factory repair manual.

PARTS LIST

No.	Part Number	Description	Qt.	Image	Remarks
1	G65443-F41040-00	FRONT PIPE ASSY	1		
2	G17353-F43010-00	TURBOCHARGER GASKET	1		
3	G65481-F41010-00	SPHERICAL GASKET	1		φ65
4	E65400-F41370-00	INSTRUCTION MANUAL	1		

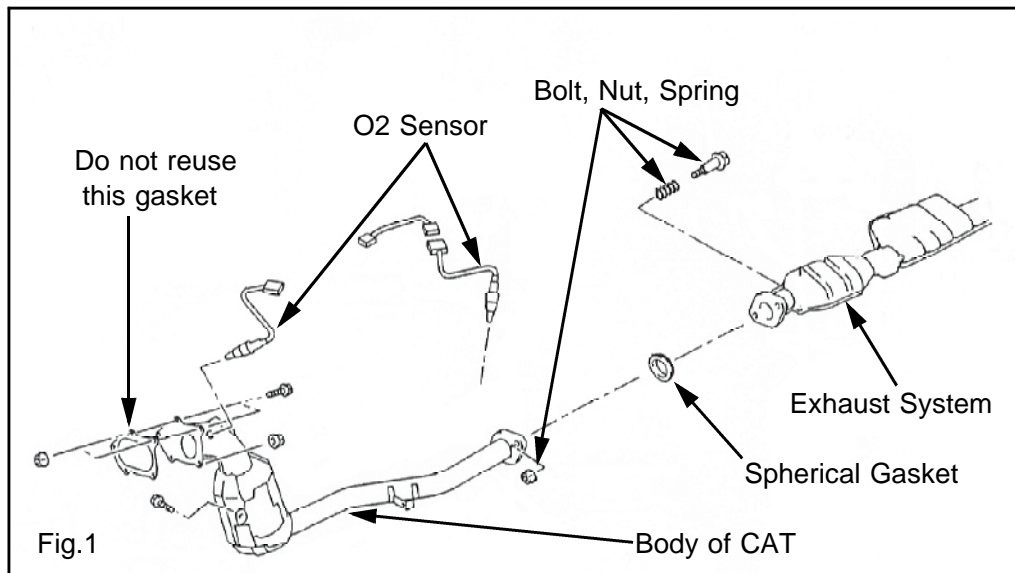
1. Removing the Factory Parts

Before starting the installation, remove the negative cable terminal from the battery.
Follow or refer to the factory service manual and instruction manual for the installation and operation.

(1) Remove the O2 sensor and the heat insulator around the turbine;
then, remove the body of the CAT (Front Pipe). (Fig.1)

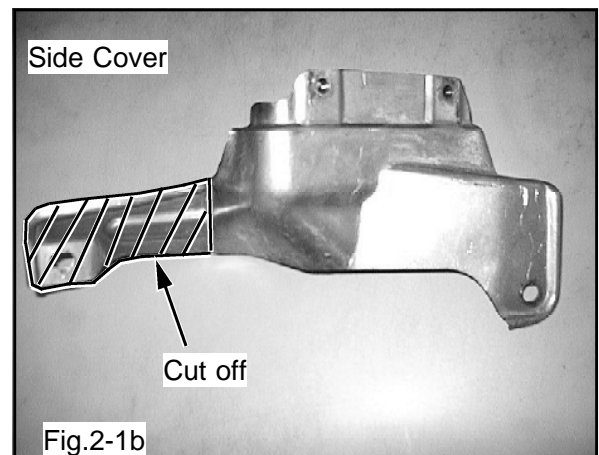
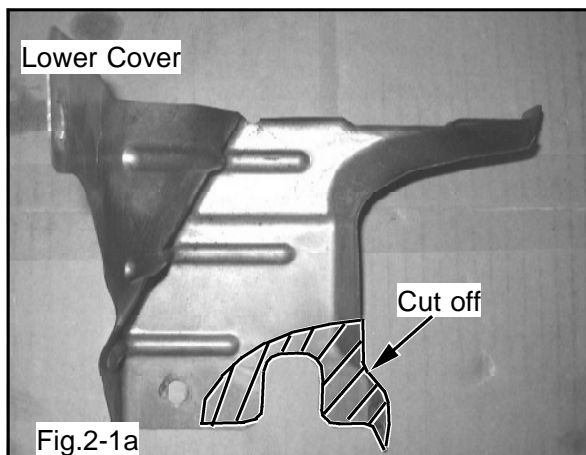
ADVICE

- The removed factory CAT and spherical gasket won't be reused. Keep them for your own use.
- The removed bolt, nut, and spring will be reused to install the exhaust system.
- Use the provided gasket as the gasket to put before the exit of the turbocharger.



2. Modifying the Heat Insulator

(1) Cut the shaded portions of the lower cover and the side cover in Fig.2-1a and 2-1b to avoid being in contact with the extension part of the front pipe. (Fig.2-1a, 2-1b)



3. Installing the Front Pipe

(1) Install the front pipe assy (P.N.1) temporarily onto the place where the factory CAT was installed using the following:

Turbocharger Gasket (P.N.2)
Spherical Gasket (P.N.3)
Factory Bolt, Nut, and Spring

ADVICE

- Secure brackets temporarily as well.

(2) Make sure that there is clearance between the front pipe, the exhaust system and other parts of the vehicle. If this is confirmed, tighten all bolts and bands to secure pipes.

Torque Spec. N · m(kgf · m)

Turbocharger Exit Flange: $T=35 \pm 15(3.5 \pm 1.5)$

Mission Bracket Front: $T=35 \pm 5(3.5 \pm 0.5)$

Rear: $T=30 \pm 5(3.0 \pm 0.5)$

Exhaust Part: $T=18 \pm 5(1.8 \pm 0.5)$

4. Installing the O2 Sensor

(1) Install the O2 sensors (2 pcs).

Torque Spec. N · m(kgf · m)

$T=21 \pm 3(2.1 \pm 0.3)$

5. Installing the Heat Insulator

(1) Install the heat insulator.

Torque Spec. N · m(kgf · m)

$T=6.5 \pm 0.5(0.65 \pm 0.05)$

6. Final Installation Procedures

(1) Reinstall the negative cable terminal on the battery.

(2) Make sure that there is no contact between the installed parts.

(3) Make sure air is not leaking and the vehicle is not making any unusual noises when the engine is running at around 2500 rpm.

(4) Make sure that there is no air leakage and/or unusual noises that occur during a test run.

7. Completed Installation Conditions

(1) Installing this product changes the boost characteristic drastically.

Therefore, after the installation, confirm the maximum boost value, and do resetting using a fuel controller and such.



Caution

Installing this product changes the characteristics of the engine and the boost. Therefore, after the installation, confirm the boost and the fuel setting; then, do resetting.