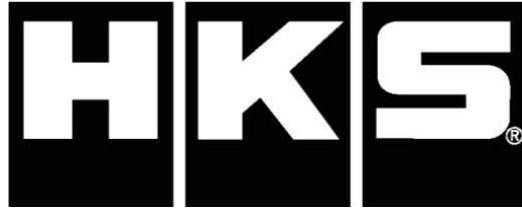


SPECIAL SET UP KIT RB26 INSTALLATION MANUAL



Installation must be done by a professional.
 Read this manual prior to the installation.
 Always have access to this manual as well as a factory service manual.

※ Make sure the vehicle is applicable to this kit.

NAME OF PRODUCT	SPECIAL SET UP KIT RB26
PART NUMBER	14020-AN011
APPLICATION	NISSAN GT-R BNR32 BCNR33 BNR34
ENGINE	RB26DETT
YEAR	1989/08 – 2002/08
REMARKS	<p>【Notes】</p> <ul style="list-style-type: none"> ◇ When the mounting position of the engine has changed due to the reinforced engine mount, etc. There is a risk of the kit parts interfering with the body. ◇ Genuine recirculation, air flow meter can not be installed. ◇ Fuel setting is required ◇ It is necessary to relocate the power steering tank and canister. Parts for relocating are not included. ◇ Suction, chamber pipe, heat shield, is not included. Make, and install at a professional contractor. GTII Wastegate setting pressure is 88.3 to 127.5kPa (0.9 to 1.3kgf / cm²) <p>SPECIAL SET UP KIT is a turboless kit.</p> <p>【Required parts separately】</p> <ul style="list-style-type: none"> ◇ Turbocharger assembly ◇ Suction pipe ◇ Chamber pipe ◇ Power steering fluid and cooling water ◇ Heat shield

※This application was confirmed by July, 2019.

REVISION OF MANUAL

Rev. Number	Date	Manual Number	Details
3-3.01	2019/7	E04211-N48240-00	1 st Edition

Published in July, 2019 by HKS Co., Ltd. (Unauthorized reproduction is strictly prohibited.)

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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 service manual. To avoid injury, follow the safety precautions contained in the factory service manual.


ATTENTION

- This manual indicates items you need to pay attention to in order to install this product safely and lists precautions to avoid any possible damage and/or accidents.
- This product is an automobile part. Do not use for any other purposes.
- HKS will not be responsible for any damage caused by incorrect installation and/or use, or use after modification and/or dismantling of this product.
- This product was designed for installation on a specific factory vehicle.
- The specifications of this product are subject to change without notice.
- The instructions are subject to change without notice. Make sure to refer to the most recent instructions.























SAFETY PRECAUTIONS

The following precautions for use of this product are to prevent possible accidents and/or injuries and for proper use.






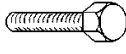
















 WARNING	Indicates risk of serious injury and/or possible death.
---	---

 CAUTION	Indicates risk of damage to people or large-scale damage to property. (Large-scale damage is the damage caused by a product defect. Ex. Damage to a vehicle, burnout, etc.)
---	---







PARTS LIST

No.	DESCRIPTION	QTY	IMAGE	REMARK
1	Exhaust Manifold	1		RB26
2	Front Pipe	1		
3	GTII Wastegate Assembly	1		φ60
4	Bypass Pipe	1		
5	Turbocharger Stay	1		
6	Spacer Turbocharger Stay	1		
7	Oil Outlet Pipe	1		
8	Copper Washer M14	2		
9	Copper Washer M12	2		
10	Copper Washer M10	1		
11	Oil Inlet Banjo	1		PT1/8 Engine side
12	Elbow	1		PT1/8
13	Oil Line Nipple	1		PT1/8-AN4
14	Oil Inlet Hose	1		L=800
15	Gasket TO4 Flange	1		
16	Muffler Gasket	1		φ75
17	Bypass Pipe Gasket	1		
18	Gasket RB26 EXHAUST	2		
19	Gasket Oil Outlet Pipe	1		Turbocharger side
20	Gasket Oil Return	1		Engine side
21	G Coupling φ58.4	1		
22	G Coupling φ90.8	1		

PARTS LIST

No.	DESCRIPTION	QTY	IMAGE	REMARK
23	G Coupling $\phi 99.1$	1		
24	Oil Resistant Hose	1		$\phi 8$ L=130
25	Joint Pipe	1		$\phi 8-\phi 10$
26	Bolt M8 L=15 P=1.25	2		
27	Bolt M8 L=20 P=1.25	1		
28	Bolt M10 L=40 P=1.25	4		
29	Bolt M10 L=25 P=1.5	2		
30	Cap Bolt M10 L=40 P=1.25	2		
31	Stud Bolt M10	2		10-6-20
32	Washer M8	3		
33	Washer M10	8		Outer diameter 22 t=1.6
34	Washer M10	2		Outer diameter 18 t=1.6
35	Spring Washer M8	3		
36	Spring Washer M10	4		
37	Nut M10 P=1.25	4		
38	Self-locking Nut M8 P=1.25	12		
39	Self-locking Nut M10 P=1.25	4		
40	Plug SUS	1		PT1/8
41	Plug	1		E/G block water hole
42	Exhaust Temperature Sensor Boss	1		
43	Nipple L type	1		$\phi 6$
44	Plate Cover	1		

PARTS LIST

No.	DESCRIPTION	QTY	IMAGE	REMARK
45	Inlet Banjo	1		4R / 5R only Turbocharger side
46	Banjo Bolt	1		4R / 5R only Turbocharger side
47	Rubber Cap φ8	1		
48	Instruction Manual	1		
49	Installation Manual	1		
50	Installation Manual	1		(GTII W/G)

1. REMOVAL OF FACTORY PARTS

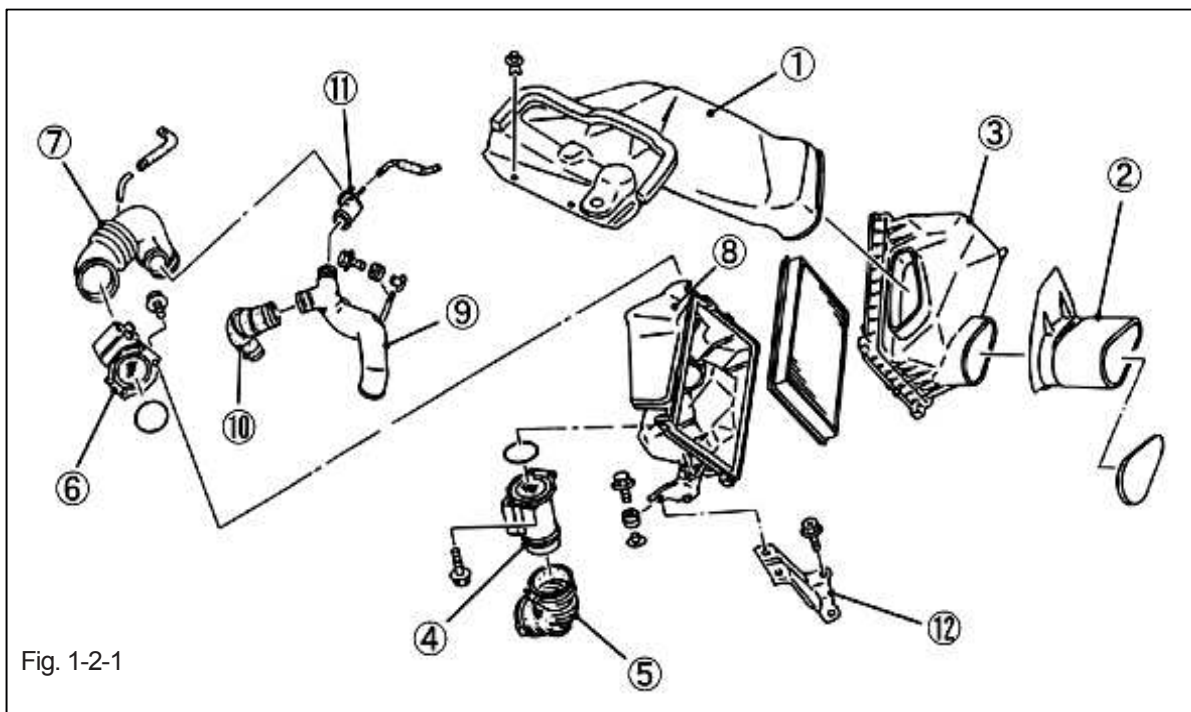
Before beginning removal of the factory parts, disconnect the negative cable from the battery terminal.
Use this instruction manual and the manufacturer's service manual as a reference.

1-1. Front Pipe removal

- (1) Remove the undercover.
 - (2) Remove the front grille.
 - (3) Remove the license.
 - (4) Remove the front combination lamp.
 - (5) Remove the bumper facia.
 - (6) Remove the bumper hose.
 - (7) Remove the front pipe.
 - (8) Remove the cooling water.
- ※ Removed ① will be reused later.

1-2. Removal of Turbocharger Assembly

- (1) Remove in order of 1 to 12. (Fig. 1-2-1)



(2) Please remove in order of 1-30. (Fig. 1-2-2)

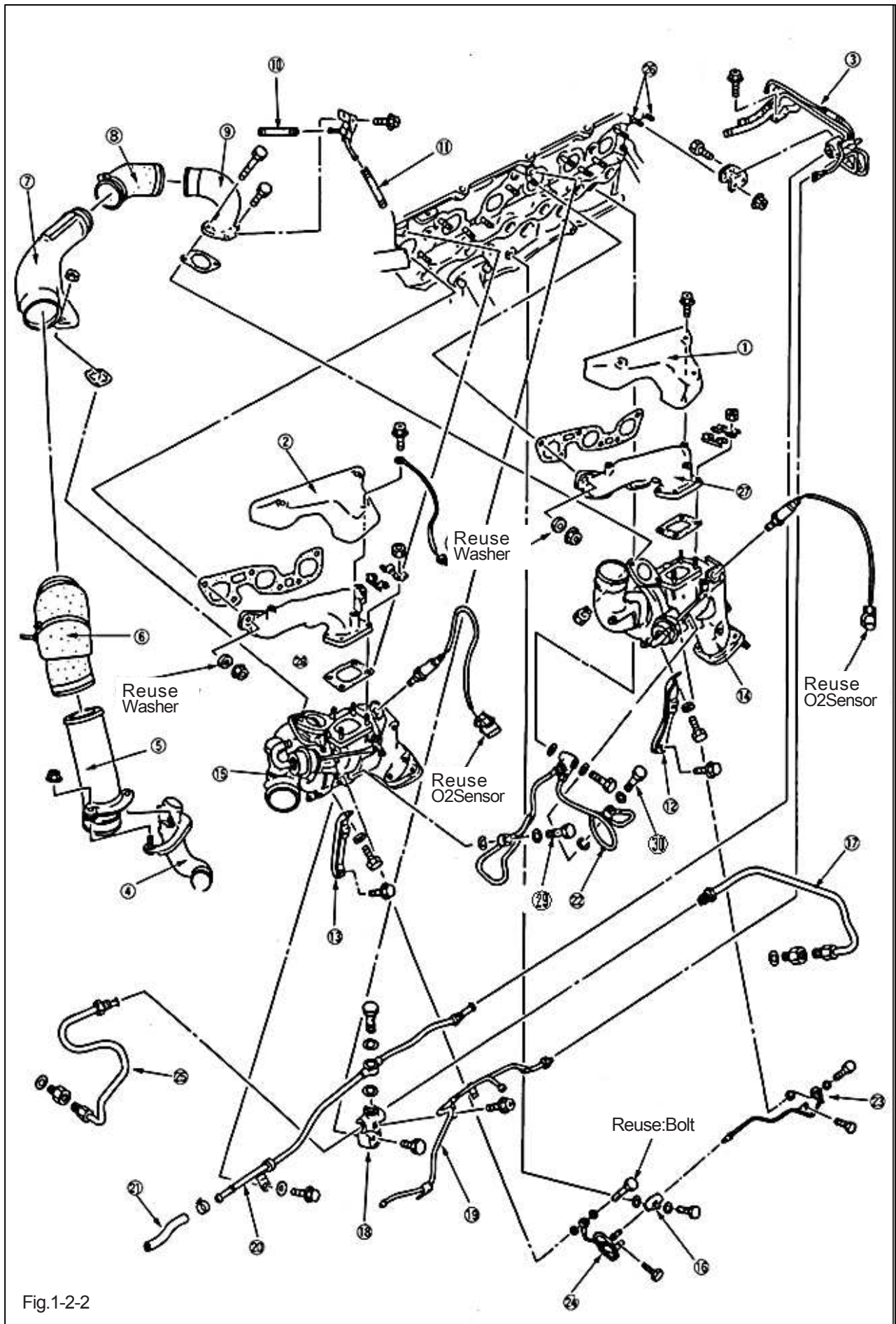


Fig.1-2-2

2. MOVEMENT OF NORMAL PARTS

- Moving the canister tank.
- Power steering movement.
- Fix air conditioner hose.
- ※ Parts for moving normal parts are not included.

3. INSTALLATION OF KIT PARTS

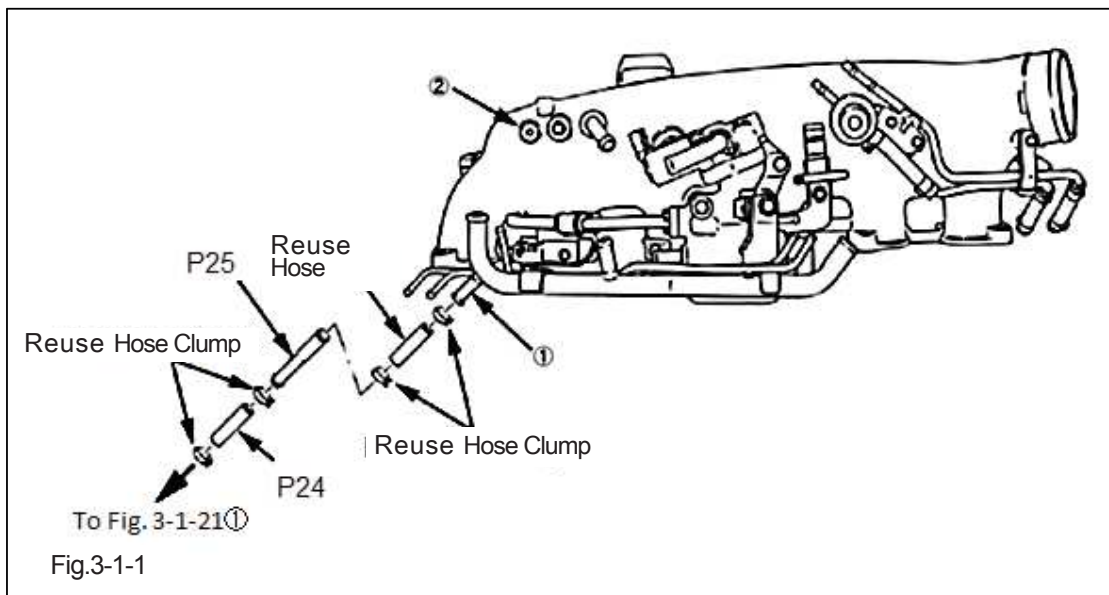
⚠ CAUTION

- Heat shield should be applied to piping, wiring, etc. near the heat zone, exhaust manifold, GTII Wastegate Assembly, GTIII-4R, etc., as well as heat distortion, discoloration or fire.

3-1. Change of Cooling Water Piping, Plug Installation

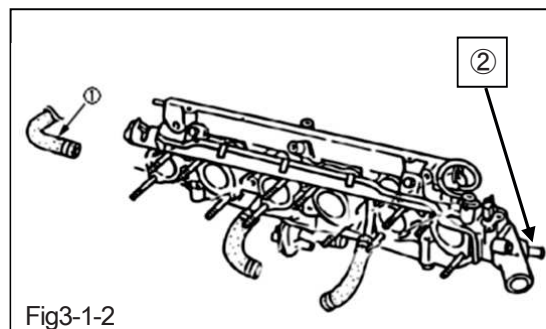
- (1) Connect the pipe on the intake manifold side with Fig. 3-1-1① and Fig. 3-1-2① removed.
Cut the Oil Resistant Hose to a length of 130 mm to 100 mm.

- P25: Joint Pipe $\phi 8\text{-}\phi 10$ x 1
- P24: Oil Resistant Hose x 1
- Hose (Genuine reuse)
- Hose Clamp (Genuine reuse)



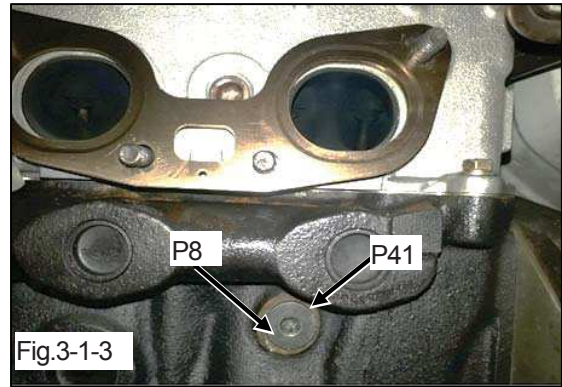
- (2) Attach the Rubber Cap $\phi 8$ to the heel of Fig. 3-1-2.②

- P47: Rubber Cap $\phi 8$ x 1
- Hose Clamp (reuse genuine)



(3) Attach the Plug where the Banjo Bolt attached to the engine block in Fig. 1-2-2 ⑳ has been removed. (Fig.3-1-3)

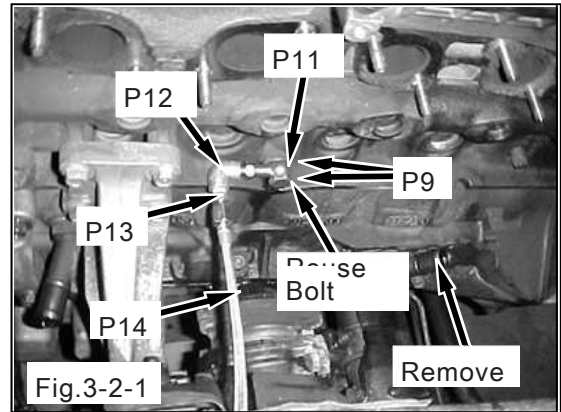
- P8: Copper Washer M14 x 1
- P41: Plug x 1



3-2. Oil Inlet Installation

(1) Assemble the Oil Inlet Banjo AN4, the Oil Inlet Hose, and attach it to the Engine Block. (Fig. 3-2-1)

- P11: Oil Inlet Banjo x 1
- P12: Elbow x 1
- P13: Oil Line Nipple x 1
- P9: Copper Washer M12 x 2
- P14: Oil Inlet Hose L=800 x 1
- Bolt (Removed in 1.2 (2))



CAUTION

- Do not use sealing tape or liquid gasket when assembling the oil line. It may block the oil line of the turbocharger Assembly and damage the turbocharger Assembly.

WARNING

- Pipe the oil line so that it does not contact or approach too high temperature parts such as exhaust system parts. If the product is used in contact or approached too much, the oil line may be damaged and the oil may leak, possibly causing a vehicle fire.
- When fixing the oil inlet hose, the oil inlet hose may be damaged if it is used in a state where the crimped portion of the oil inlet hose is tightly bent or an excessive force is applied, or when repeated bending is applied due to engine vibration. The oil may leak and in the worst case cause a vehicle fire. Do not use sealing tape or liquid gasket when assembling the oil line.

3-3. Rear Oil Return Plug

(1) Remove the original rear Oil Return Pipe, and attach the Plate Cover, Gasket Oil Return, Bolt M8 L = 15, and Spring Washer M8 to the Engine Block. (Fig. 3-2-1)

- P20: Gasket Oil Return x 1
- P26: Bolt M8 L=15 x 2
- P35: Spring Washer M8 x 1
- P44: Plate Cover x 1

3-4. Exhaust Manifold Installation

(1) Attach the stud bolt M10 10-6-20 to the exhaust manifold. (Fig. 3-4-1)

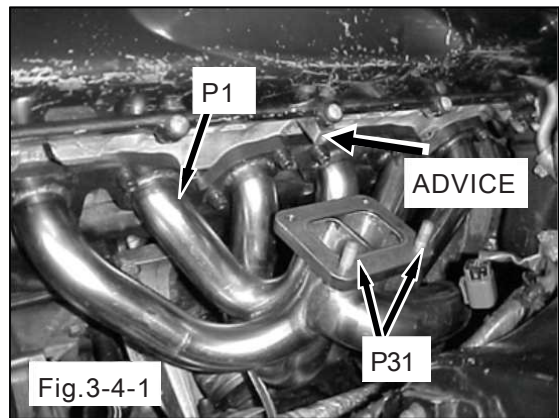
- P1: Exhaust Manifold x 1
- P31: Stud Bolt M10 x 2

ADVICE

- For Stud Bolt M10 10-6-20, attach the shorter thread part to the Exhaust Manifold.

(2) Install the Exhaust Manifold on the Cylinder Head. (Fig. 3-4-1)

- P18 Exhaust Manifold x 2
- P38: Self-locking Nut M8 x 12
- Washer (Removed in Fig. 1-2-2)



ADVICE

- If the PT1/8 Plug that blocks the head coolant passage interferes with the exhaust manifold flange due to individual differences in the vehicle, either tighten the screw or scrape the contact on the flange side.

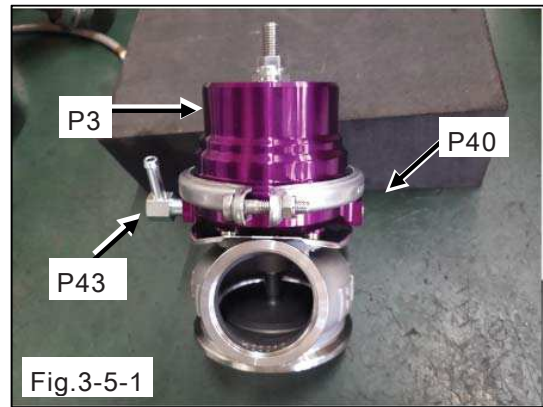
CAUTION

- Do not wrap the Thermal Tape on the Exhaust Manifold. Heat dissipation may deteriorate and the Exhaust Manifold may be distorted. Also, if the Exhaust Temperature exceeds 900 ° C, the Exhaust Manifold may be distorted, so use at 900 ° C or lower.

3-5. GTII Wastegate Assembly Installation

(1) Attach the Plug SUS PT1 / 8, male and female elbow PT1 / 8, Nipple $\phi 6$ to the GTII Wastegate Assembly. (Fig. 3-5-1)

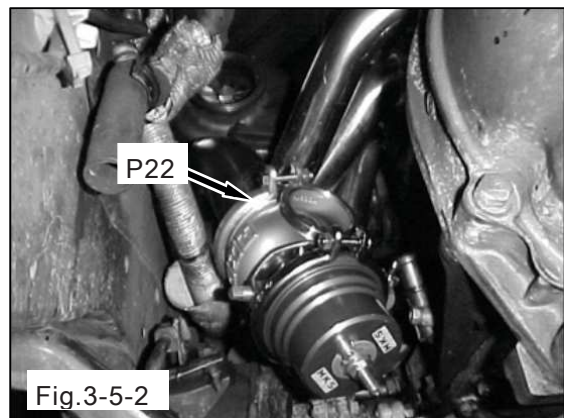
- P3: GTII Wastegate Assembly x 1
- P40: Plug x 1
- P43: Nipple L type x 1



(2) Temporarily attach the GTII Wastegate Assembly to the Exhaust Manifold. (Fig. 3-5-2)

- P22: G Coupling $\phi 90.8$ x 1

G coupling tightening torque N · m (kgf · m)
T=3.9~4.9(0.4~0.5)

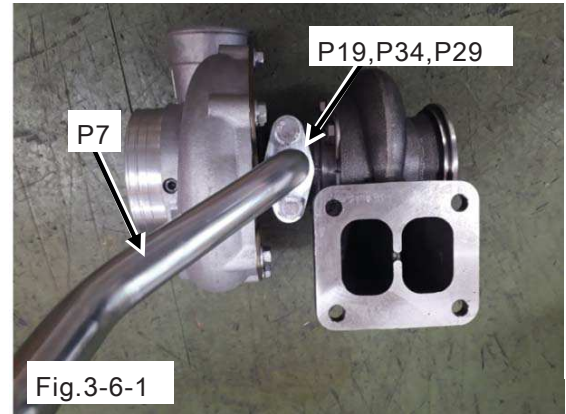


3-6. Mounting of Turbocharger Assembly (sold separately)

ADVICE

- Air blow the Front Pipe, Bypass Pipe, and Oil Line mounted on the Turbocharger Assembly with an air gun to make sure that there are no foreign matter.
- (1) Use an air gun to blow air on the Compressor Wheel, Turbine Wheel, Compressor Housing, Turbine Housing and Center Housing of the Turbocharger Assembly, and make sure that there are no foreign matter.
 - (2) Fill in the new Engine Oil from the Oil Line Inlet of the Turbocharger Assembly, rotate the wheel with your finger, and distribute the oil inside the Bearing. (To prevent lubrication failure at engine start)
 - (3) Attach the Oil Outlet Pipe to the Turbocharger Assembly. (Fig. 3-6-1)

- Turbocharger Assembly (sold separately) x 1
- P7: Oil Outlet Pipe x 1
- P19: Gasket Oil Outlet Pipe x 1
- P34: Washer M10 x 2
- P29: Bolt M10 L=25 x 2



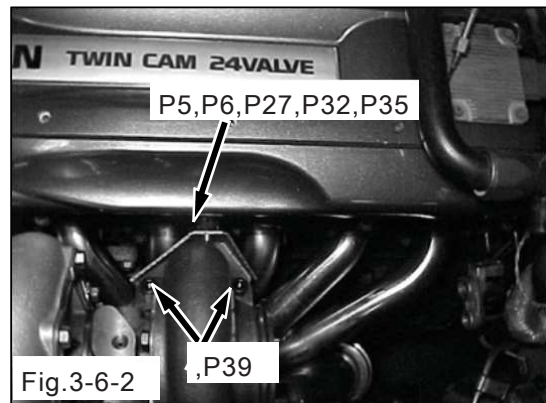
- (4) Install the Turbocharger Assembly on the Exhaust Manifold. (Fig. 3-6-2)
- P15: Gasket TO4 Flange x 1
 - P30: Cap Bolt M10 L=40 x 2
 - P39: Self-locking Nut M-10 x 2

- (5) Install the Turbocharger Stay at the back of the Exhaust Manifold TO4 Flange and at the point where Fig. 1-2-2^⑩ has been removed from the Cylinder Head. (Fig. 3-6-2)

- P5: Turbocharger Stay x 1
- P6: Spacer Turbocharger Stay x 1
- P27: Bolt M8 L=20 x 1
- P32: Washer M8 x 1
- P35: Spring Washer M8 x 1
- P39: Self-locking Nut M-10 x 2

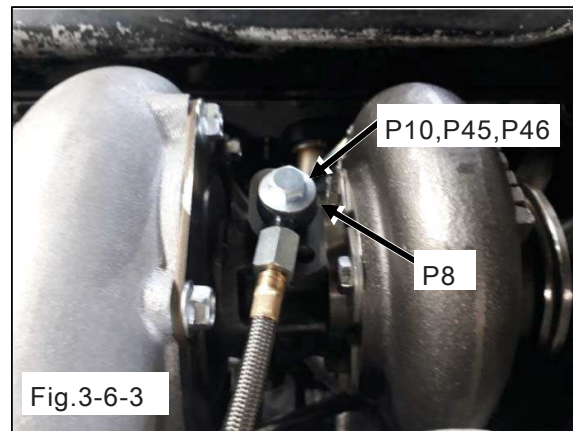
- (6) Connect the Oil Outlet Pipe and the Genuine Oil Out Hose.

- Hose Band (Genuine reuse)



(7) Install the Inlet Banjo into the Turbocharger Assembly. (Fig. 3-6-3)

- P10: Copper Washer M10 x 1
- P8: Copper Washer M14 x 1
- P45: Inlet Banjo x 1
- P46: Banjo Bolt x 1



(8) Install the Inlet Banjo into the Turbocharger Assembly. (Fig. 3-6-3)

- Oil inlet hose (mounted to engine block with 3-2. (1))

3-7.Front Pipe Installation

(1) Temporarily attach the Front Pipe to the Turbocharger Assembly.

- P2: Front Pipe x 1
- P23: G Coupling $\phi 99.1$ x 1

G coupling tightening torque N · m (kgf · m)
T=3.9~4.9(0.4~0.5)

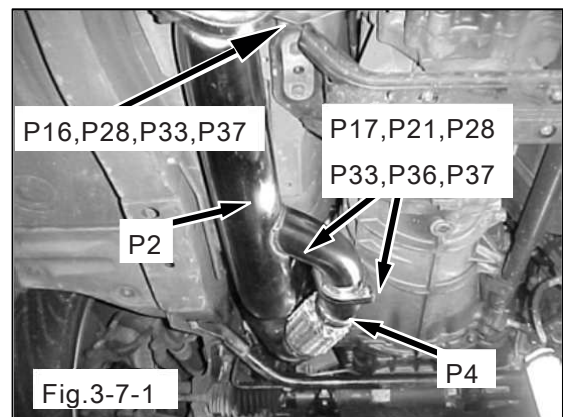
(2) Temporarily attach the Bypass Pipe to the GTII Wastegate Assembly. (Fig. 3-7-1)

- P4: Bypass Pipe x 1
- P17: Bypass Pipe Gasket x 1
- P21: G Coupling $\phi 58.4$ x 1
- P28: Bolt M10 L=40 x 2
- P33: Washer M10 x 4
- P36: Spring Washer M10 x 2
- P37: Nut M10 x 2

G coupling tightening torque N · m (kgf · m)
T=3.9~4.9(0.4~0.5)

(3) Attach the Front Pipe to the catalyst. (Fig. 3-7-1)

- P16: Muffler Gasket x 1
- P28: Bolt M10 L=40 x 2
- P33: Washer M10 x 4
- P37: Nut M10 x 2
- Front pipe (What was temporarily attached to the Turbocharger Assembly in 3-1. (1))

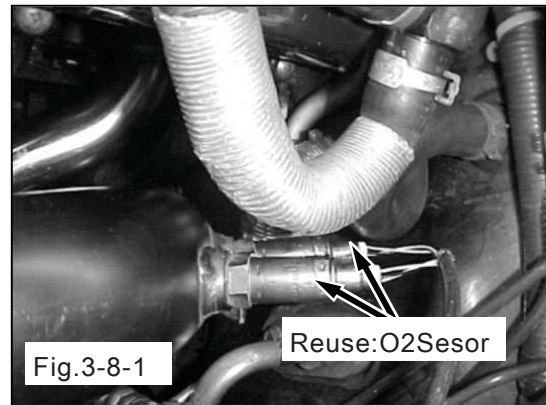


(4) Fully tighten the GTII Wastegate Assembly, Bypass Pipe.

3-8. O2 Sensor Installation

(1) Attach two O2 Sensors to the Front Pipe. (Fig. 3-8-1)

- O2Sensors (Removed in Fig. 1-2-2)



3-9. Mounting Of Exhaust Temperature Sensor (V spec only)

(1) Position the Exhaust Temperature Sensor according to the current car, and drill a $\phi 15$ hole in the Front Pipe.

(2) Please weld the Exhaust Temperature Sensor boss in the place where it was drilled.

(3) Attach the Exhaust Temperature Sensor attached to the normal Extension to the Exhaust Temperature Sensor boss.

- P42: Exhaust Temperature Sensor Boss x 1

4. SUCTION PRODUCTION, PROCESSING AND INSTALLATION

5. MOUNTING OF NORMAL PARTS

(1) Install the normal parts removed in 1-1 in the reverse procedure.

(2) Infuse power steering fluid and cooling water and purge air.

(3) Attach the negative terminal of the battery.

※ After completing the installation work, be sure to perform the confirmation work according to the "Confirmation after installation" in the Instruction Manual.

6. PREVENT DISTORTION AND CRACKING PLOBLEMS OF STAINLESS STEELEXHAUST MANIFOLDS

- Do not wrap a heat insulating material such as Thermal Tape on the Exhaust Manifold body. Heat dissipation deteriorates and distortion and cracking occur in the Exhaust Manifold.
- If the exhaust temperature exceeds 900 ° C, the Exhaust Manifold is likely to be distorted. Use at 900 ° C or lower.
- Do not use the Wastegate for open air, use the Bypass Pipe to return to the Front Pipe. When used in open air, the weight of the wastegate may cause excessive vibration on the Exhaust Manifold and cause cracking.
- When making a Front Pipe, ensure a sufficient minimum ground clearance. The Front Pipe interferes with the road surface, etc., and a crack occurs in the Exhaust Manifold.
- If there is a front pipe fixing stay in the kit, be sure to use it. If not used, the Front Pipe will shake during driving, causing excessive pressure on the Exhaust Manifold and cracking.

- Stainless steel Exhaust Manifolds can be repaired for a fee. Please contact us for details.



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