

# **GR**Reddy®

## **GR**Reddy Turbo Kit

**Toyota Supra MA70 (7M-GTE)  
TD-06H**



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TD-06H Turbo Kit

**Installation Manual**

Please read the entire manual before installing this kit.

**Application:**

Make	Model	Chassis	Year
Toyota	Supra	MA70	86-92

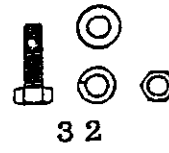
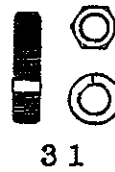
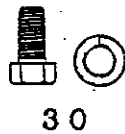
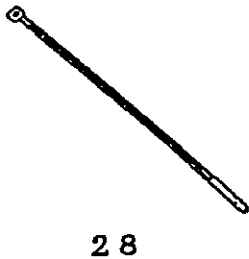
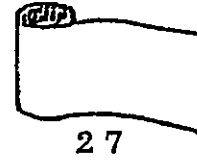
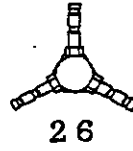
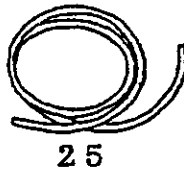
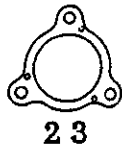
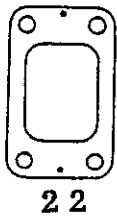
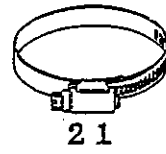
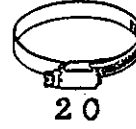
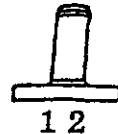
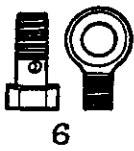
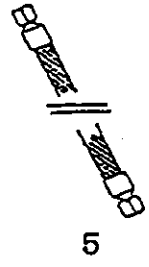
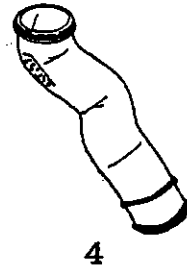
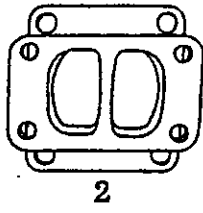
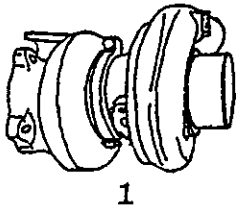
- This **GReddy Turbo Kit** is designed only for the vehicles specified above.
- This **GReddy Turbo Kit** is a complete bolt on replacement and once installed it is ready for use.

## MA 70 Turbo Kit

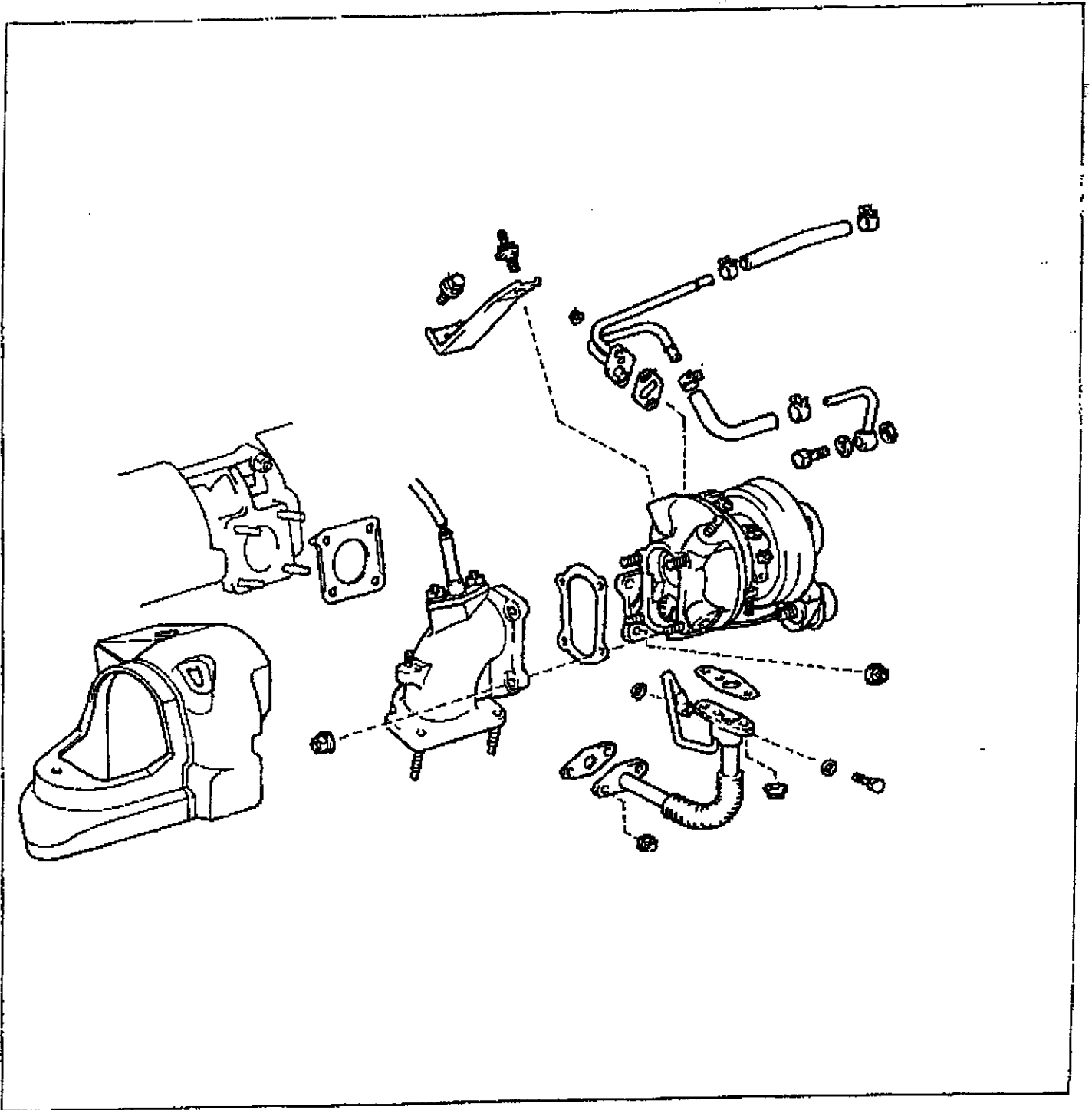
### 1. Parts List

1. TDO6H-250G 14cm <sup>2</sup> / 765mm/Hg	1
2. Turbo Adapter	1
3. Down Pipe Adapter	1
4. 35Ø Blow-off valve return pipe (steel)	1
5. Aluminum Elbow 50Ø	1
6. Oil Pressure 10Ø Banjo fitting male/female (turbo side)	1
7. Oil Pressure 12Ø Banjo fitting male-female (engine side)	1
8. Copper washer 10Ø	2
9. Copper washer 12Ø	2
10. Oil return tube 19Ø (turbo side)	1
11. Oil return gasket (turbo side)	1
12. Oil return tube 19Ø (engine side)	1
13. Oil return gasket (engine side)	1
14. Oil return hose 19Ø x 135mm	1
15. Hose Band 19Ø #12	2
16. 10Ø Plug fitting for waterline	2
17. Hose band 10Ø #5	1
18. Silicon hose 50Ø x 70mm	1
19. Silicon hose 50Ø x 54Ø reducer	3
20. 50Ø Hose band #32	1
21. 54Ø Hose band #36	1
22. Turbo Gasket (IN)	1
23. Turbo Gasket (IN)	1
24. O2 Sensor Gasket	1
25. Rubber Hose 5Ø x 2000mm	1
26. 5Ø Three way joint	1
27. Thermo cloth 100mm x 1000mm	1
28. Tie-wrap 200mm	10
29. M10 x 45mm P=1.25 B S/W - N	7
30. M10 x 45mm P=1.25 B S/W - -	3
31. M10 x 35mm P=1.25 B S/W - N	3
32. M6 x 15mm P=1.0 B S/W F/W N	3

# Parts List:

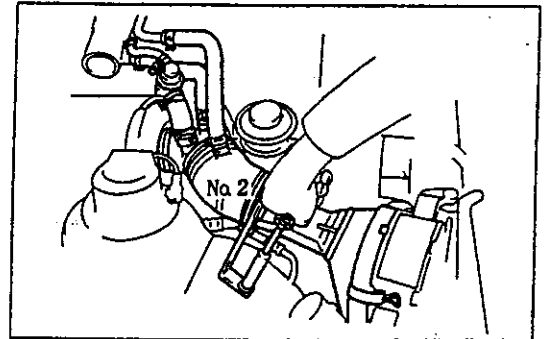
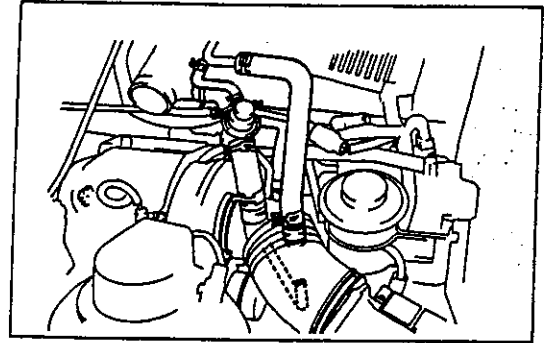
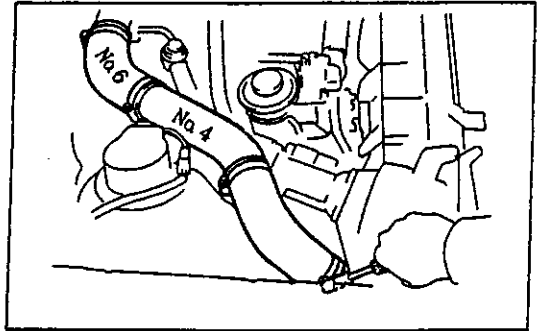


## 2. Removal of Stock Parts

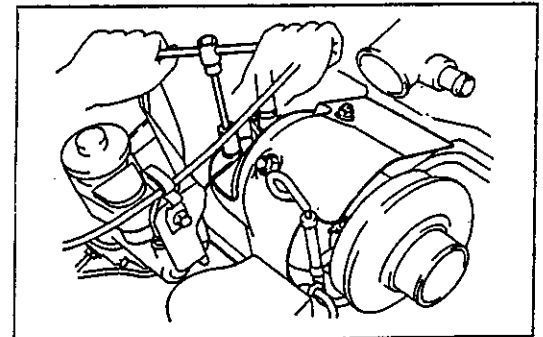


## 2-1 Stock parts Removal Procedure

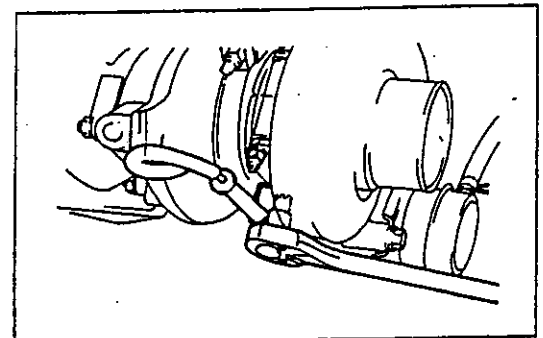
1. Disconnect negative terminal of the battery.
2. Drain oil and coolant.
3. Disconnect the air flow meter connector and remove the stock air filter box. Remove the air cleaner assy by removing the ventilation pipe, air pipe, and air cleaner hose.



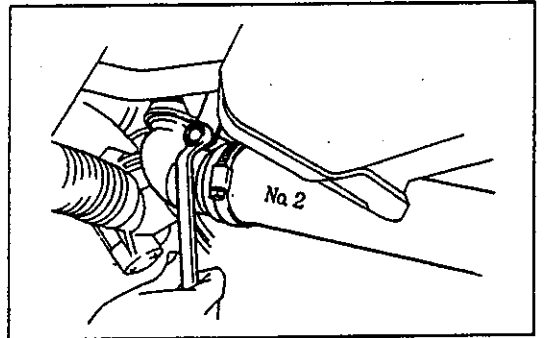
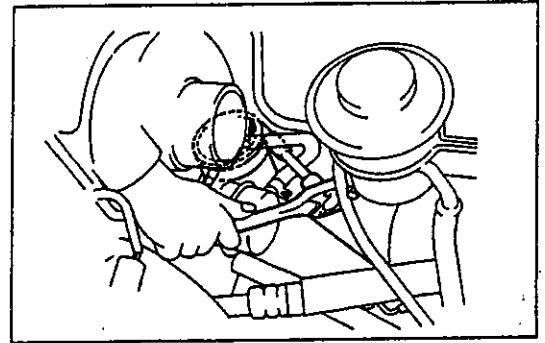
4. Remove the O2 sensor and the turbo insulator (heat shield)



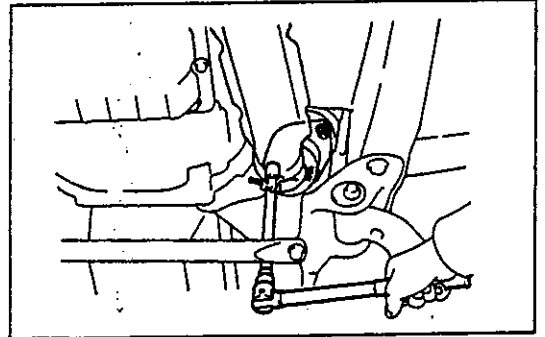
5. Remove the oil level gauge and pipe.



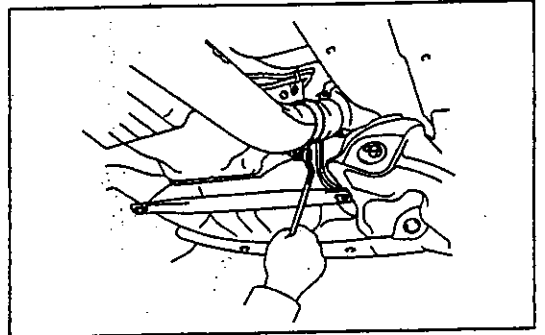
6. Remove the No. 1 turbo hose.  
(1) Loosen the hose clamp on the No. 1 hose and No. 2 turbo hose.



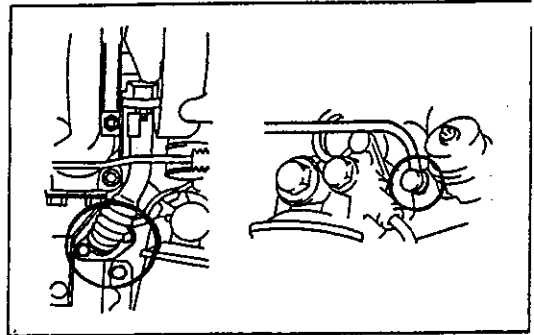
7. Remove the front exhaust down pipe.



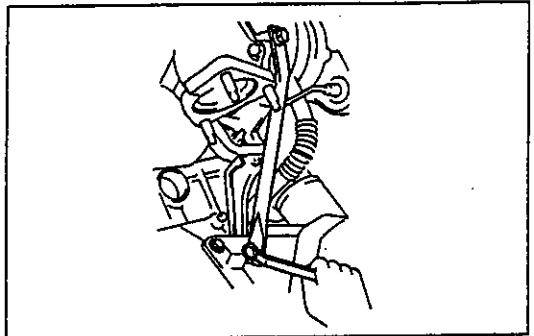
8. Remove the front exhaust pipe clamp.



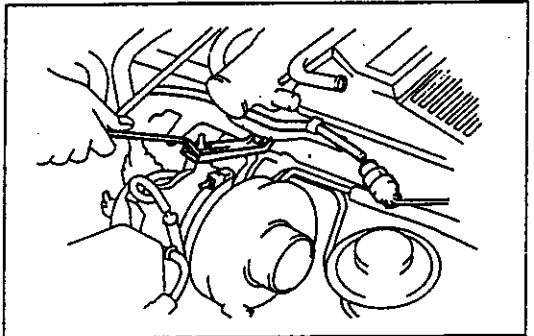
9. Remove the oil feed and oil return pipe.



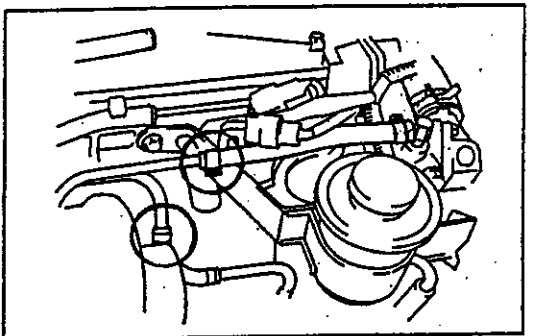
10. Remove the turbocharger bracket (bottom)



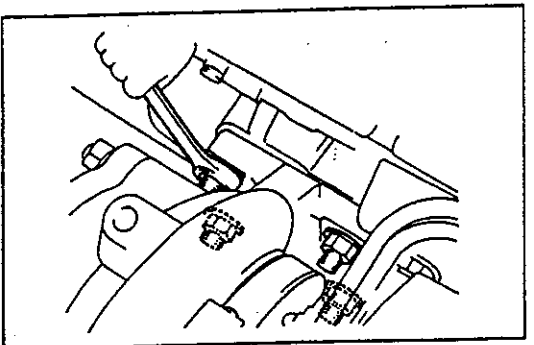
11. Remove the turbocharger bracket (top)



12. Remove the turbocharger water hose.



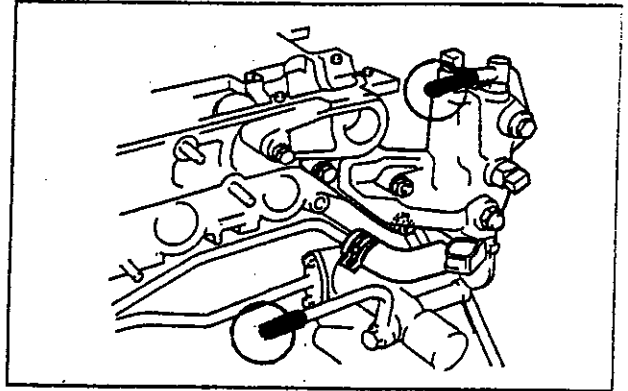
13. Remove the turbocharger assembly



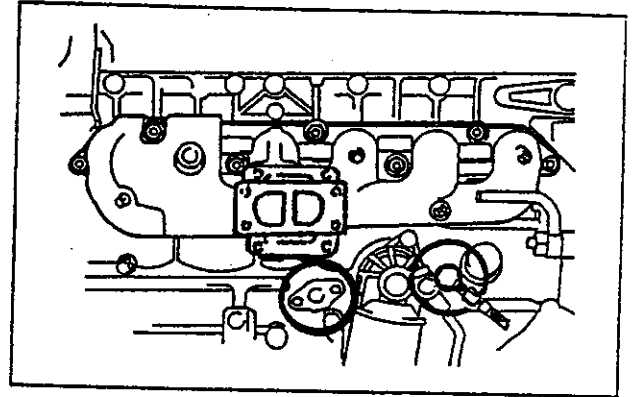


### 3. GReddy Turbo Kit Installation

3-1 Plug up the turbocharger water pipe as shown.  
(parts #16,17)

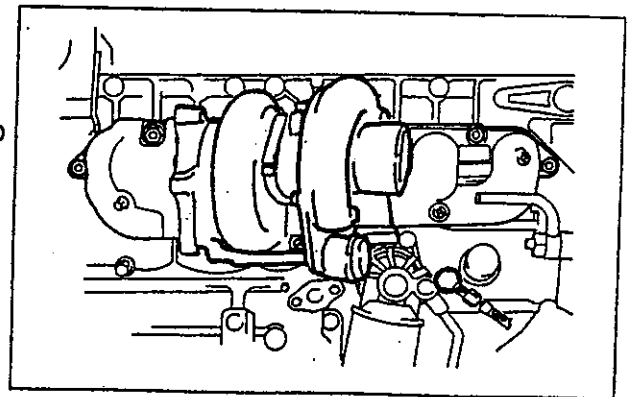


3-2 Install the oil feed banjo fitting 12Ø and oil return flange on the engine block as shown.  
(parts # 5,7,9,12,13)



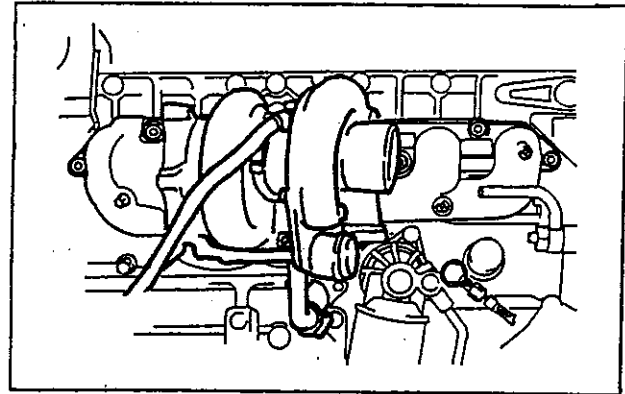
3-3.1 Install the turbo adapter as shown above  
(part #2)

3-3.2 Bolt the TD06 turbocharger onto the turbo adapter using the stud bolts.  
(parts # 1,22,29)



3-4.1 Install the oil feed banjo fitting 10Ø and oil return pipe onto the turbocharger  
(parts # 6,8,10,11,32)

3-4.2 Install the oil return hose and oil feed hose from turbocharger to the engine block.  
(parts #14,15,27)

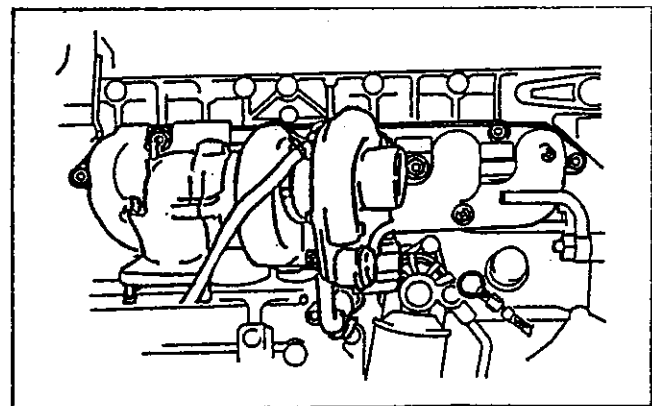
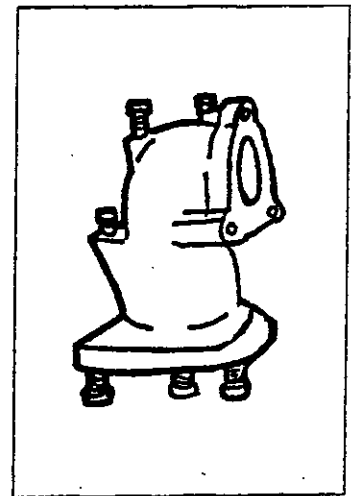


**Important !**  
**Wrap the oil return hose with thermo cloth.**

3-5.1 Install the provided stud bolt to the down pipe adapter.

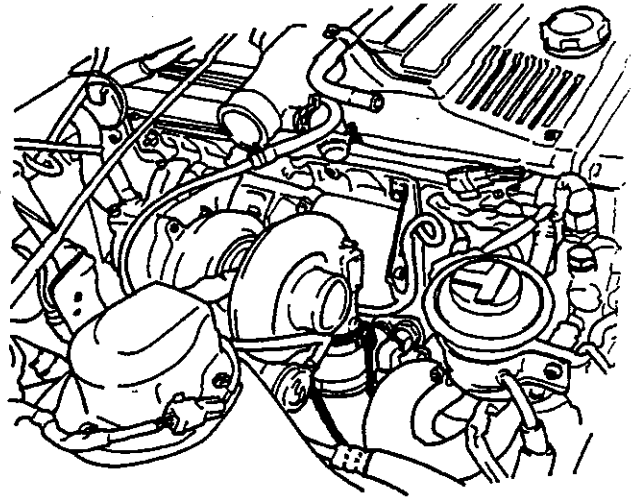
- 10mm X 45mm for down pipe flange.
  - 10mm X 30mm for O2 sensor and heat shield mount
- (parts # 3,29,31)

3-5.2 Install the down pipe adapter to the turbocharger using a gasket.  
(parts # 23,30)



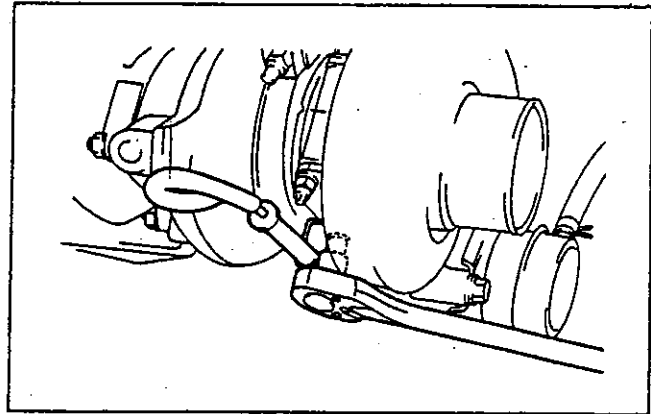
3-6.1 Install the charge pipe as shown  
(parts # 18,19,20,21)

3-6.2 Wrap the hose connecting the turbocharger  
pipe with a piece of thrmo cloth.  
(parts #27)

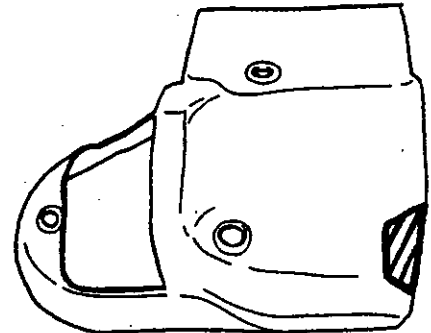


3-7.1 Reinstall the oil level gauge and pipe  
(part #32)

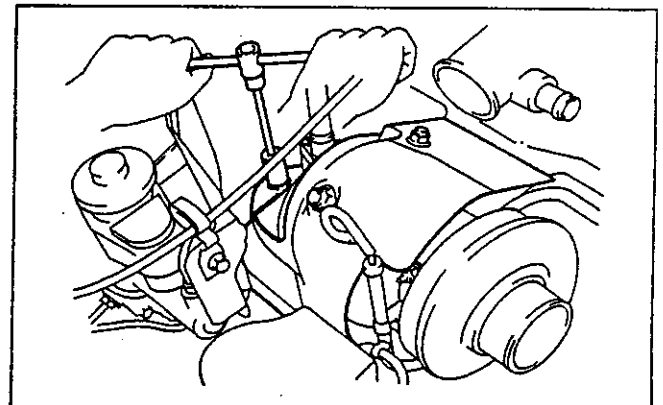
**Important!**  
**Wrap the O2 sensor wires with thrmo cloth.**



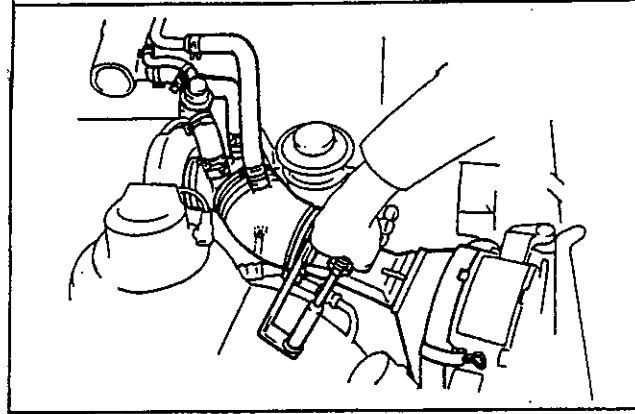
3-7.2 Modify the stock heat shield as shown,  
cut the shaded area.



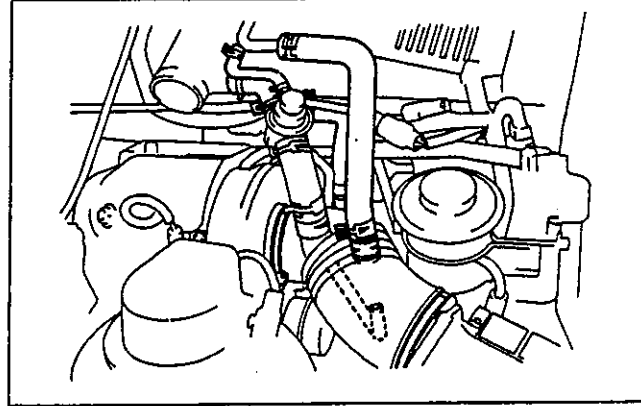
3-7.3 Install the heat shield and O2 sensor  
(parts # 24,27)



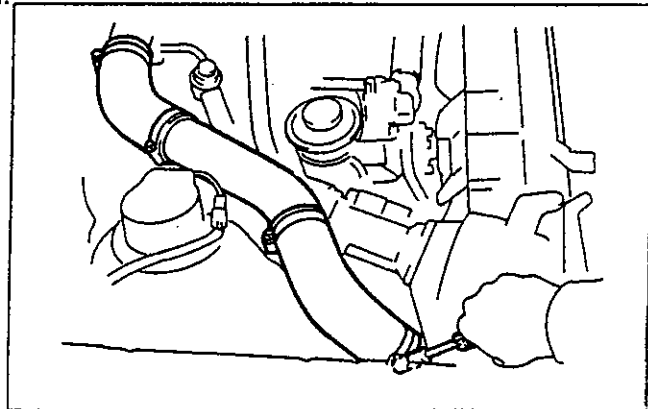
3-7.4 Connect the actuator on the turbocharger to the intake manifold.



3-8.1 Reinstall the air cleaner assemble as shown.



3-8.2 Reinstall the charge pipe and hose as shown.



3-9.1 Refill the coolant

3-9.2 Check all the plumbing and reconnect the neg. terminal of the battery

3-9.3 Crank the engine to get oil pressure before starting the engine.

3-9.4 Check for any air, oil, or water leaks during idle.

3-9.5 Fix all leaks and refill fluids to the vehicle's specifications