




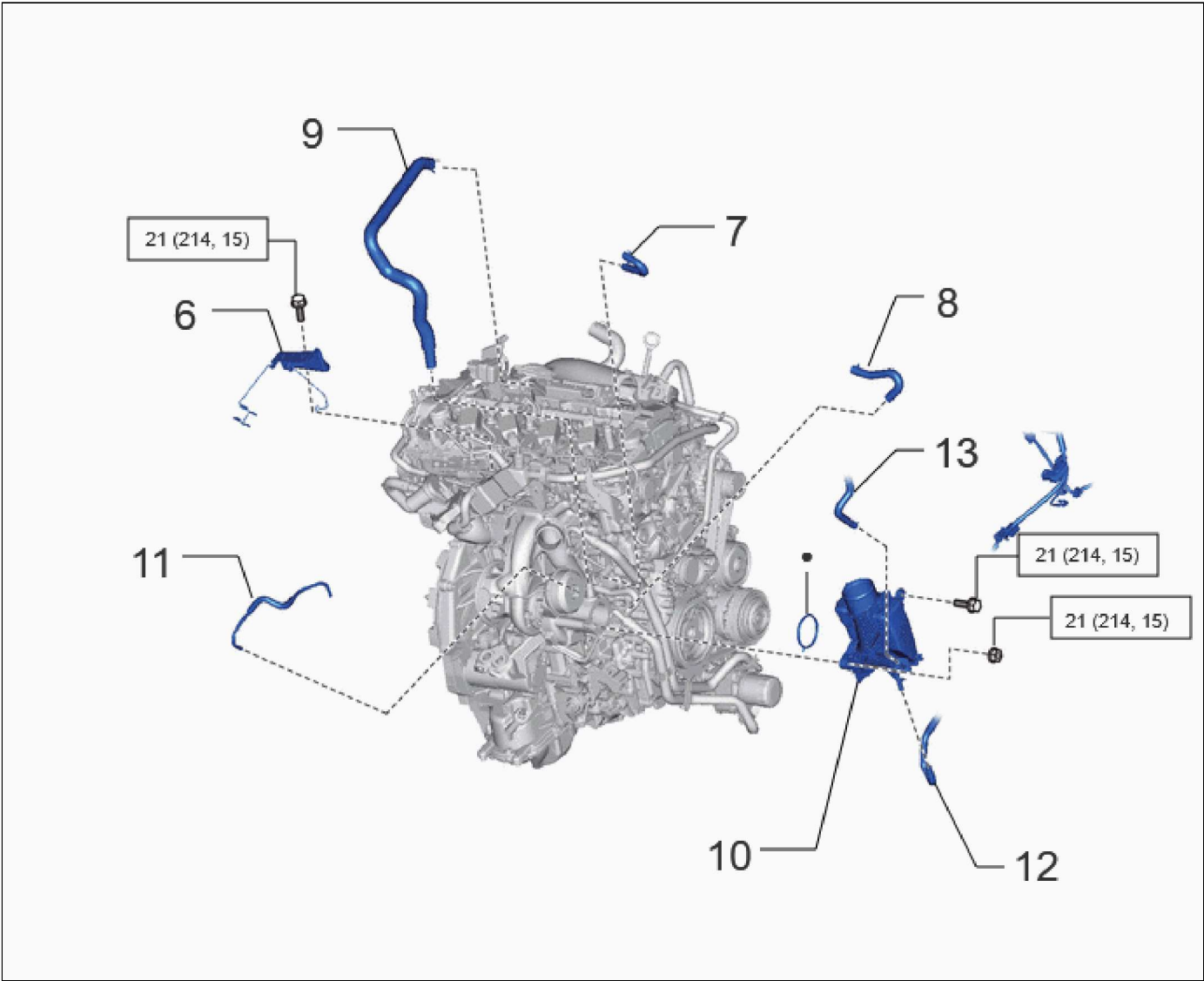





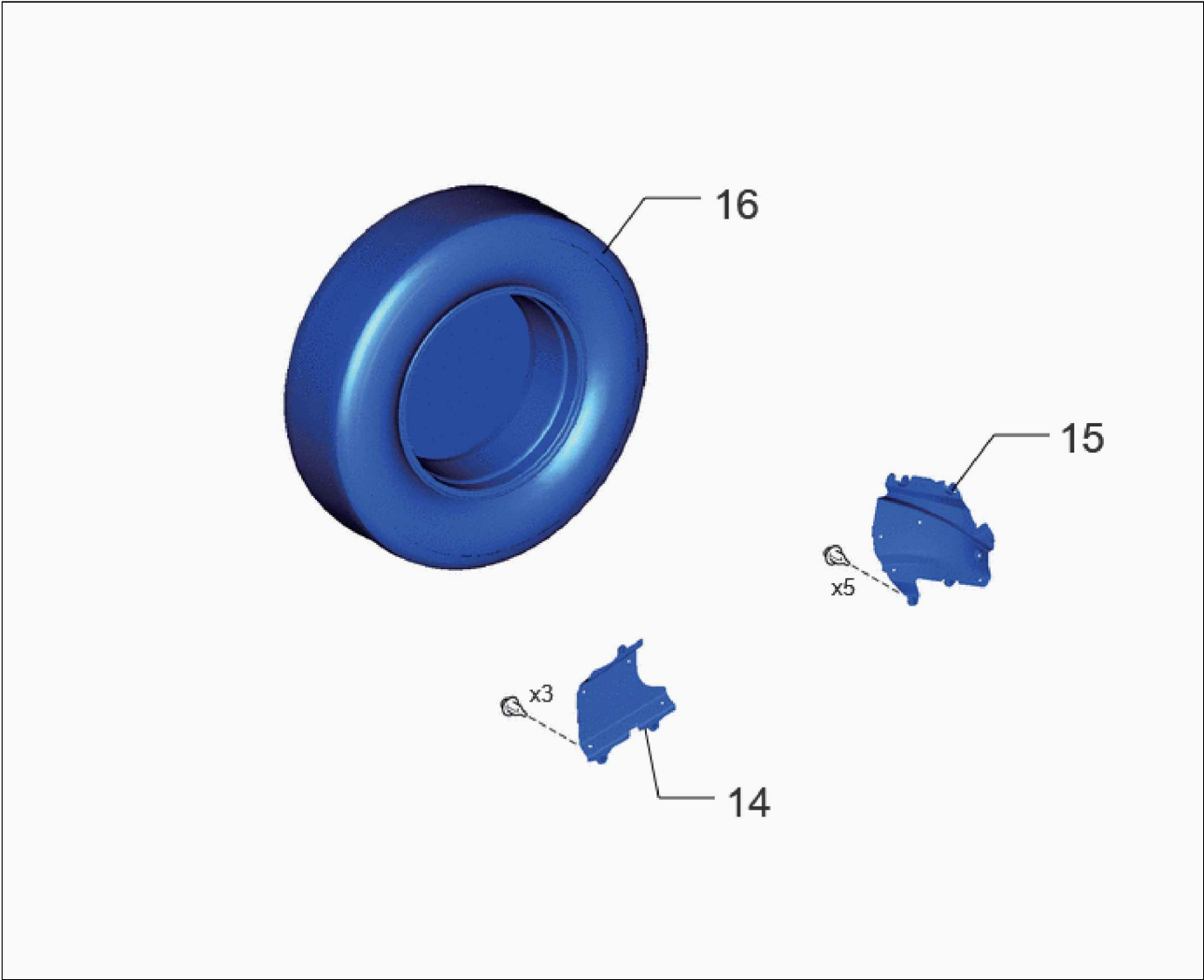
PROCEDURE		PART NAME CODE			
3	INSTALL NO. 2 TURBO WATER HOSE	16285	INFO	-	-
4	INSTALL NO. 1 TURBO WATER HOSE	16284	INFO	-	-
5	NO. 1 TURBO OIL PIPE	15481	INFO	-	-




*1	WATER BY-PASS GASKET	-	-
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)		N*m (kgf*cm, ft.*lbf): Specified torque
•	Non-reusable part	-	-

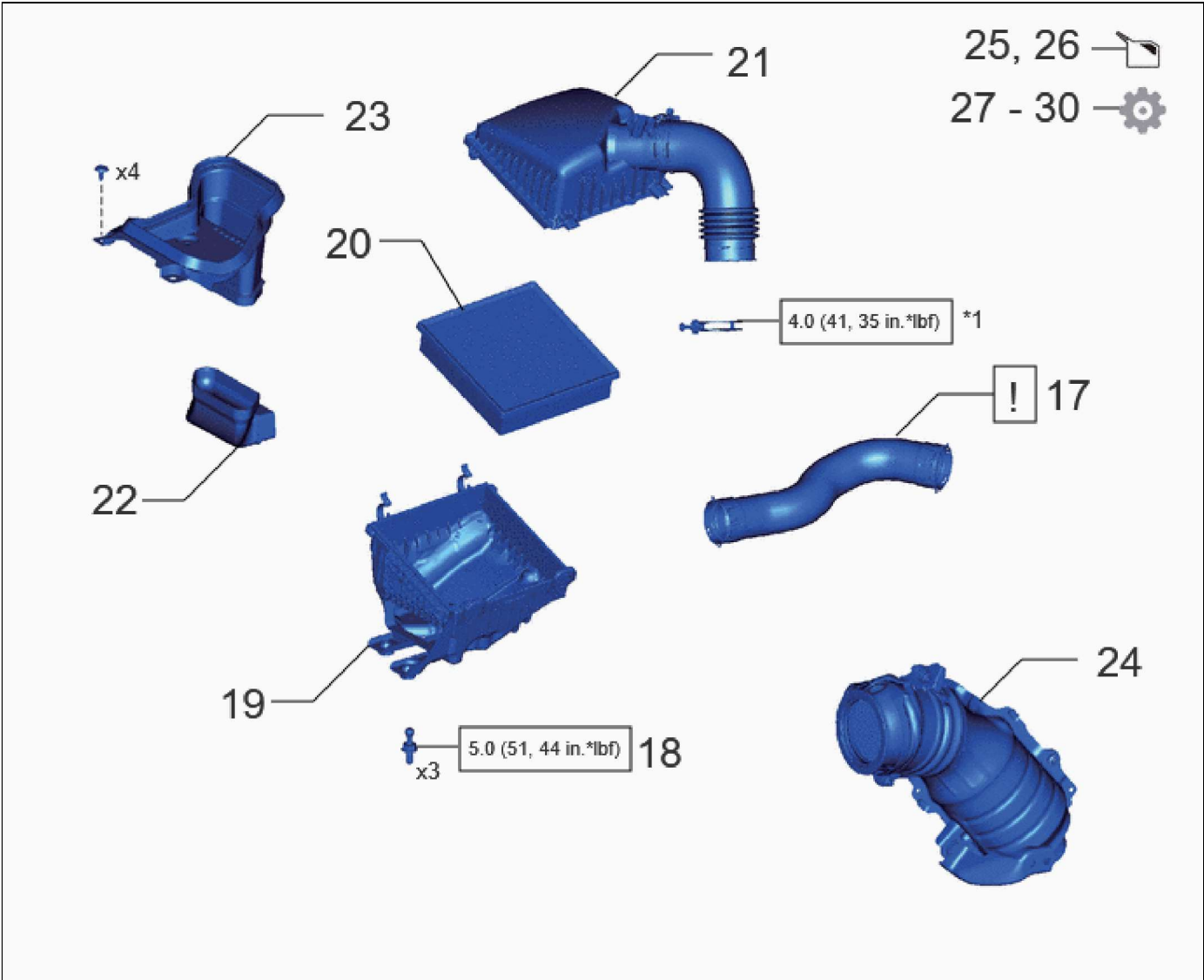





PROCEDURE		PART NAME CODE			
6	EXHAUST SENSOR CLAMP BRACKET	8946A	-	-	-
7	CONNECT NO. 2 TURBO WATER HOSE	16285	-	-	-
8	CONNECT NO. 1 TURBO WATER HOSE	16284	-	-	-
9	NO. 2 VENTILATION HOSE	12262	-	-	-
10	COMPRESSOR INLET ELBOW SUB-ASSEMBLY	17203B	-	-	-
11	NO. 1 VACUUM TRANSMITTING HOSE ASSEMBLY	25760	-	-	-
12	NO. 3 FUEL VAPOR FEED HOSE	23828	-	-	-
13	NO. 2 AIR HOSE	17342L	-	-	-




	N*m (kgf*cm, ft.*lbf): Specified torque	<ul style="list-style-type: none">Non-reusable part
---	---	---




PROCEDURE		PART NAME CODE			
14	FRONT FENDER APRON TRIM PACKING C	53784	-	-	-
15	FRONT FENDER APRON TRIM PACKING A	53782	-	-	-
16	FRONT TIRE RH	-	-	-	-



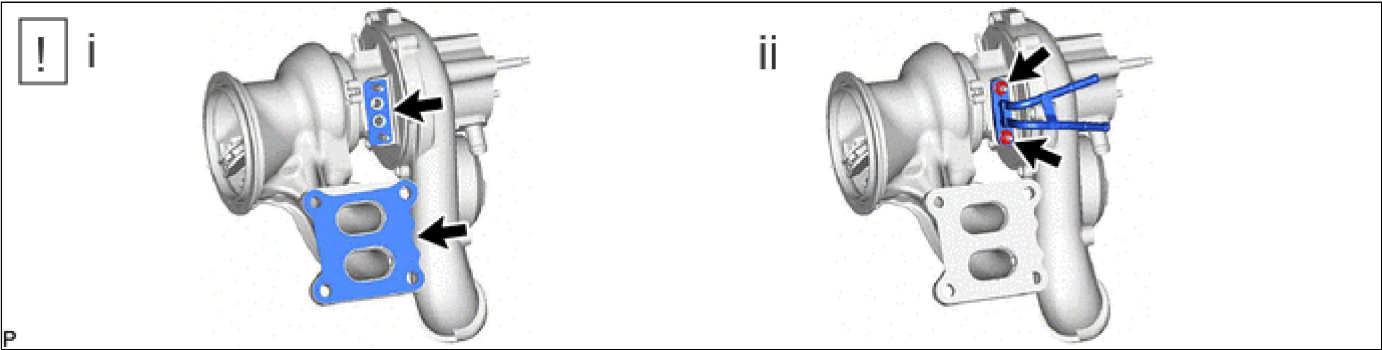
PROCEDURE		PART NAME CODE			
17	NO. 1 AIR HOSE	17341F	INFO	-	-
18	NO. 1 AIR CLEANER STAY	17765	-	-	-
19	AIR CLEANER CASE SUB-ASSEMBLY	17701	-	-	-
20	AIR CLEANER FILTER ELEMENT SUB-ASSEMBLY	17801	-	-	-
21	AIR CLEANER CAP WITH NO. 1 AIR CLEANER HOSE	-	-	-	-

PROCEDURE		PART NAME CODE			
22	NO. 1 AIR CLEANER INLET	17751	-	-	-
23	NO. 2 AIR CLEANER INLET	17752	-	-	-
24	CONVERTER WITH CATALYST ASSEMBLY	17400N	-	-	-
25	ADD ENGINE OIL	-	-	INFO	-
26	ADD ENGINE COOLANT	-	-	INFO	-
27	INSPECT FOR COOLANT LEAK	-	-	-	INFO
28	INSPECT FOR OIL LEAK	-	-	-	INFO
29	INSPECT ENGINE OIL LEVEL	-	-	-	INFO
30	INSPECT FOR EXHAUST GAS LEAK	-	-	-	INFO

*1	HOSE CLAMP	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

PROCEDURE

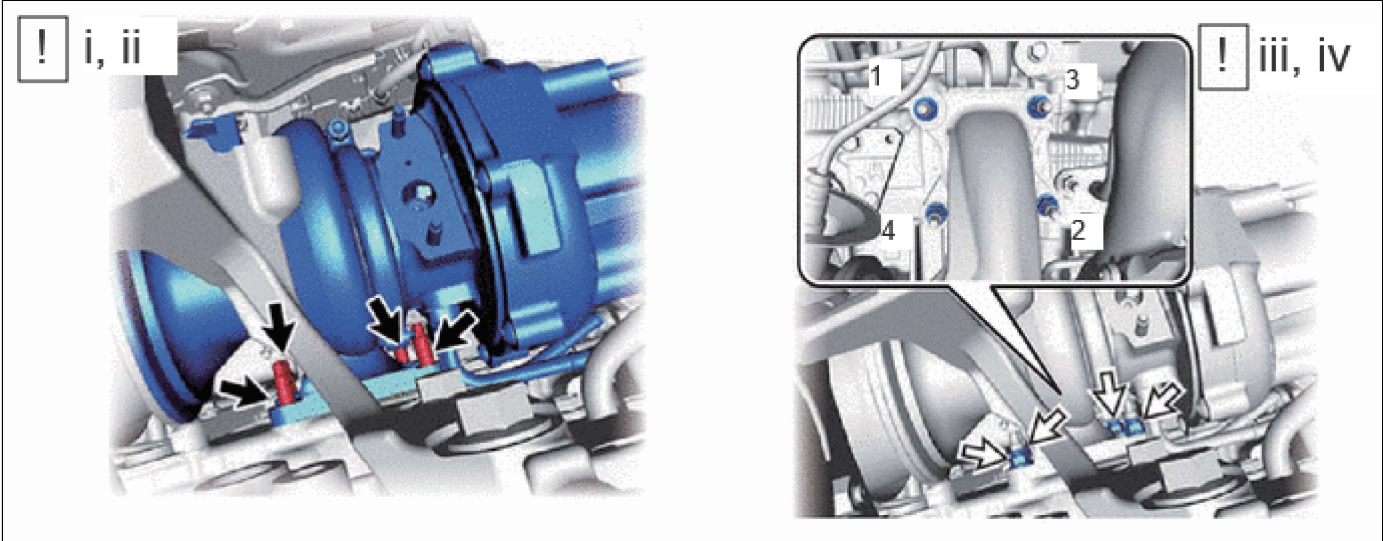
1. INSTALL NO. 1 TURBO WATER PIPE SUB-ASSEMBLY



- (1) Install a new gasket as shown in the illustration.
- (2) Install the No. 1 turbo water pipe sub-assembly with the bolt and 2 nuts.

Torque:
12 N·m {122 kgf·cm, 9 ft·lbf}

2. INSTALL TURBOCHARGER SUB-ASSEMBLY



	Stud bolt		Nut
---	-----------	---	-----

- (1) Temporarily install the turbocharger sub-assembly to the engine sub-assembly with the 4 stud bolts.
- (2) Using an E10 "TORX" socket wrench, install the 4 stud bolts.

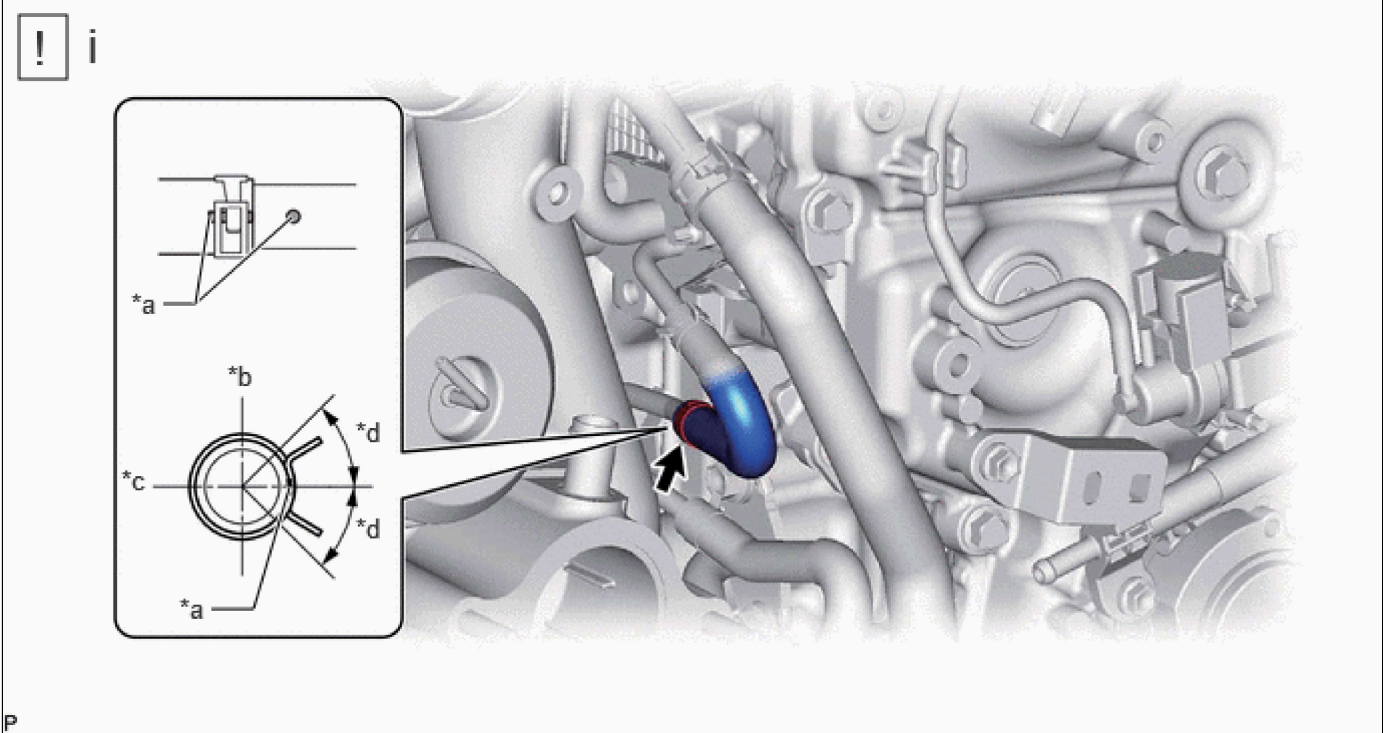
Torque:
19.5 N·m {199 kgf·cm, 14 ft·lbf}

- (3) Temporarily install the 4 new nuts.
- (4) Install the turbocharger sub-assembly with the 4 nuts in the order shown in the illustration.

Torque:
43 N·m {438 kgf·cm, 32 ft·lbf}

- NOTICE:**
- After tightening the 4 nuts to the specified torque, tighten the first nut again.
 - Do not apply excessive force to the turbocharger sub-assembly and No. 1 turbo oil pipe.

3. INSTALL NO. 2 TURBO WATER HOSE



*a	Paint Mark	*b	Upper Side
*c	Right Side of Vehicle	*d	45°

(1) Connect the No. 2 turbo water hose to the water outlet sub-assembly and slide the hose clamp to secure the hose.

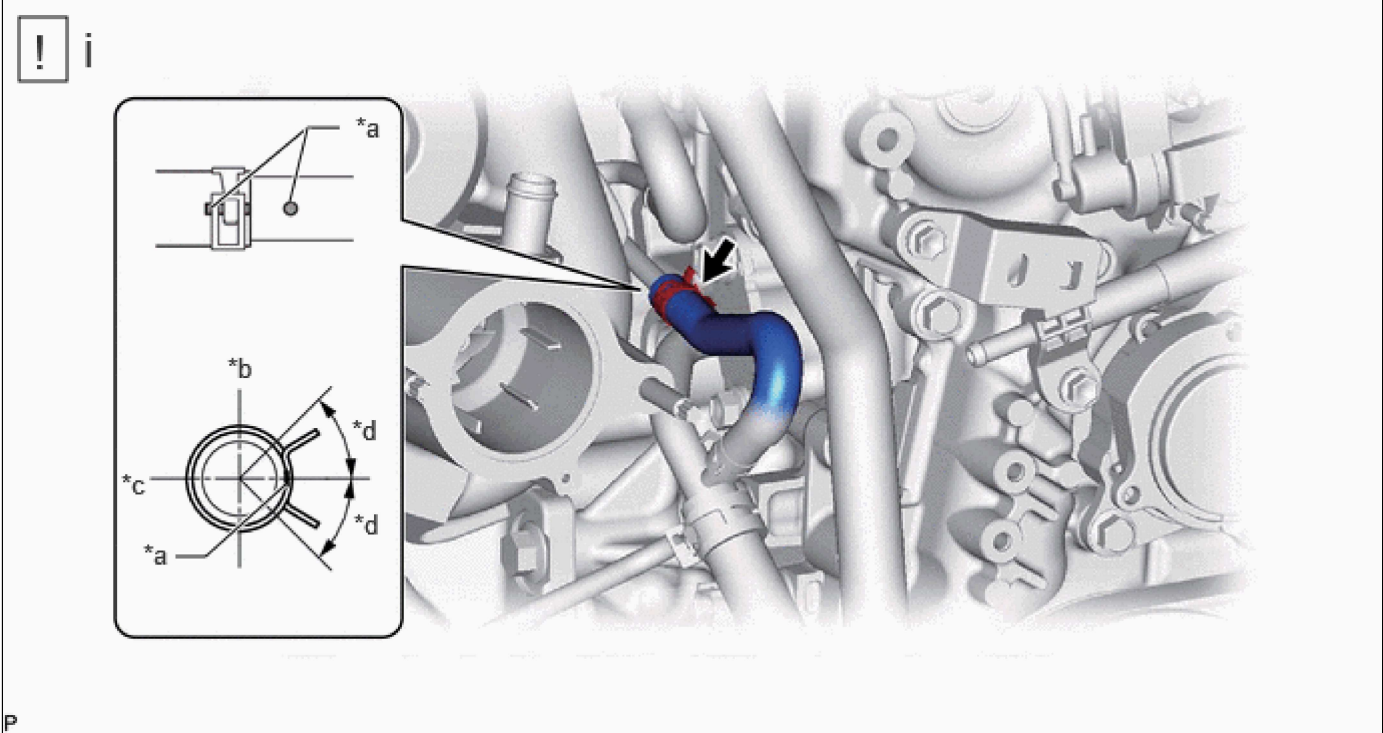
NOTICE:

The turbocharger sub-assembly may be damaged if the No. 1 turbo water hose and No. 2 turbo water hose are connected to the wrong locations.

HINT:

Make sure that the claws of the hose clamp are within the location shown in the illustration.

4. INSTALL NO. 1 TURBO WATER HOSE



*a	Paint Mark	*b	Upper Side
*c	Right Side of Vehicle	*d	45°

(1) Connect the No. 1 turbo water hose to the engine water pump assembly and slide the hose clamp to secure the hose.

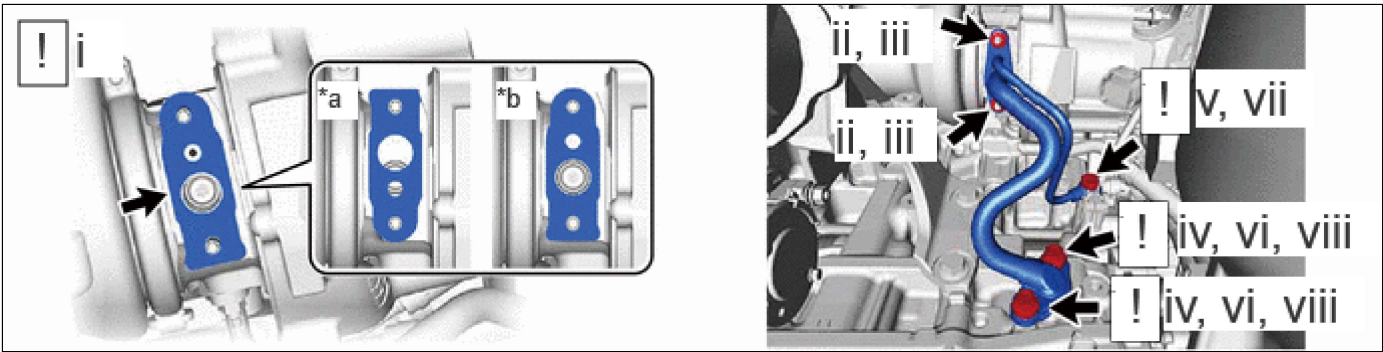
NOTICE:

The turbocharger sub-assembly may be damaged if the No. 1 turbo water hose and No. 2 turbo water hose are connected to the wrong locations.

HINT:

Make sure that the claws of the hose clamp are within the location shown in the illustration.

5. INSTALL NO. 1 TURBO OIL PIPE



*a	Incorrect	*b	Correct
----	-----------	----	---------

(1) Install a new gasket as shown in the illustration.

NOTICE:

Do not install the gasket upside down.

- (2) Temporarily install the No. 1 turbo oil pipe with the 2 nuts.
- (3) Tighten the 2 nuts.

Torque:
12 N·m {122 kgf·cm, 9 ft·lbf}

- (4) Install a new gasket.

NOTICE:
The claws of the gasket must face the No. 1 turbo oil pipe.

- (5) Install a new gasket to the union bolt side.
- (6) Temporarily install the No. 1 turbo oil pipe with the union bolt and 2 bolts.
- (7) Tighten the union bolt.

Torque:
35 N·m {357 kgf·cm, 26 ft·lbf}

NOTICE:
If the connecting part of the union bolt gasket is cracked, remove the connecting part.

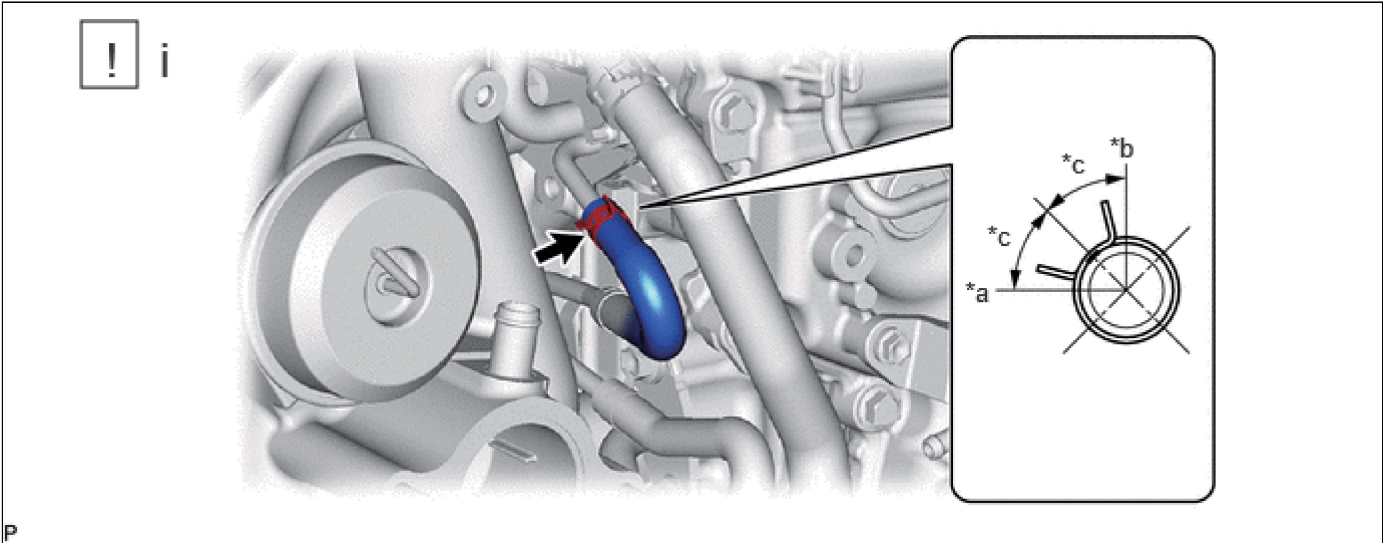
- (8) Tighten the 2 bolts.

Torque:
24 N·m {245 kgf·cm, 18 ft·lbf}

6. INSTALL EXHAUST SENSOR CLAMP BRACKET

Torque:
21 N·m {214 kgf·cm, 15 ft·lbf}

7. CONNECT NO. 2 TURBO WATER HOSE



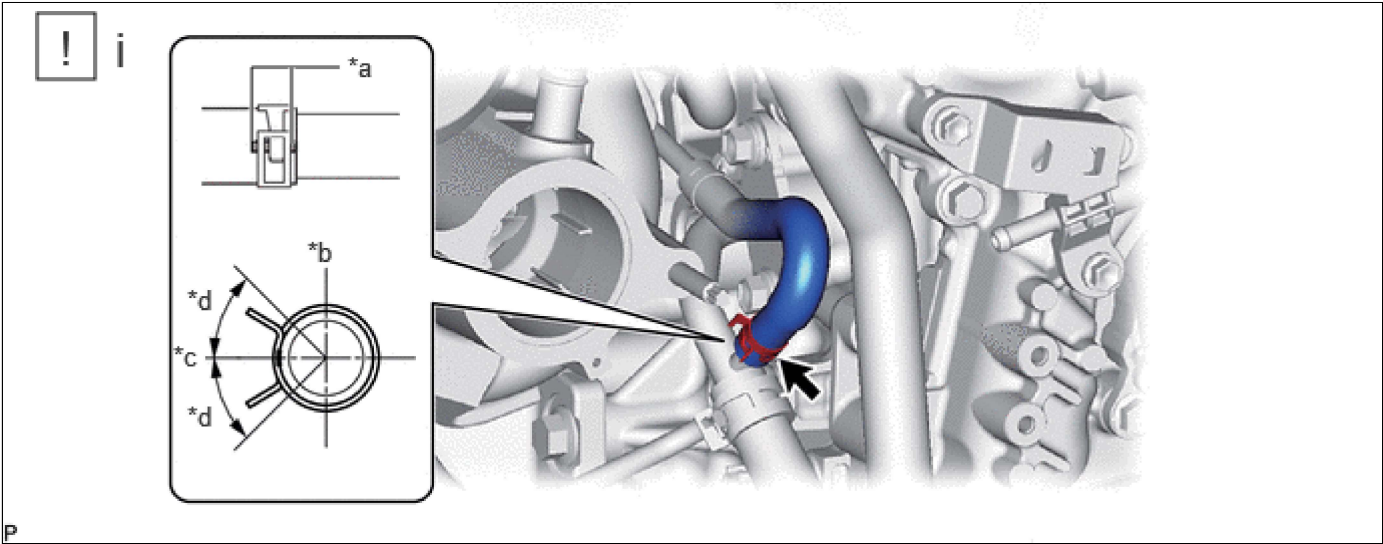
*a	Right Side of Vehicle	*b	Upper Side
*c	45°	-	-

- (1) Connect the No. 2 turbo water hose to the water outlet sub-assembly and slide the hose clamp to secure the hose.

NOTICE:
The turbocharger sub-assembly may be damaged if the No. 1 turbo water hose and No. 2 turbo water hose are connected to the wrong locations.

HINT:
Make sure that the claws of the hose clamp are within the location shown in the illustration.

8. CONNECT NO. 1 TURBO WATER HOSE



*a	Paint Mark	*b	Upper Side
*c	Right Side of Vehicle	*d	45°

(1) Connect the No. 1 turbo water hose to the engine water pump assembly and slide the hose clamp to secure the hose.

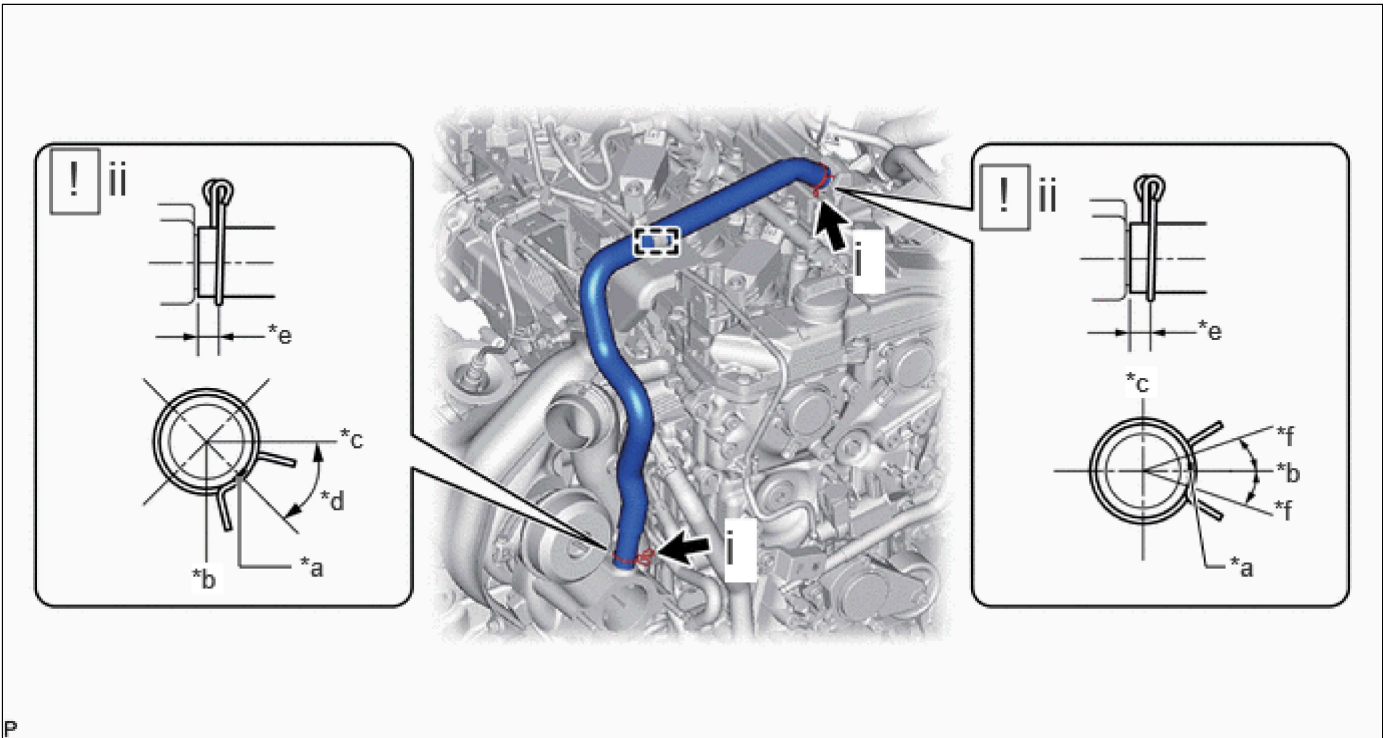
NOTICE:

The turbocharger sub-assembly may be damaged if the No. 1 turbo water hose and No. 2 turbo water hose are connected to the wrong locations.

HINT:

Make sure that the claws of the hose clamp are within the location shown in the illustration.

9. INSTALL NO. 2 VENTILATION HOSE



*a	Paint Mark	*b	Front Side
*c	Left Side of Vehicle	*d	45°

*e	2.0 to 8.0 mm (0.0787 to 0.315 in.)	*f	22.5°
----	-------------------------------------	----	-------

- (1) Attach the clamp and install the No. 2 ventilation hose.
- (2) Connect the No. 2 ventilation hose to the cylinder head cover sub-assembly and compressor inlet elbow sub-assembly and slide the 2 hose clamps to secure the hoses.

HINT:

Make sure that the claws of the hose clamp are within the location shown in the illustration.

10. INSTALL COMPRESSOR INLET ELBOW SUB-ASSEMBLY
11. CONNECT NO. 1 VACUUM TRANSMITTING HOSE ASSEMBLY
12. CONNECT NO. 3 FUEL VAPOR FEED HOSE
13. CONNECT NO. 2 AIR HOSE
14. INSTALL FRONT FENDER APRON TRIM PACKING C

Click here [INFO](#)

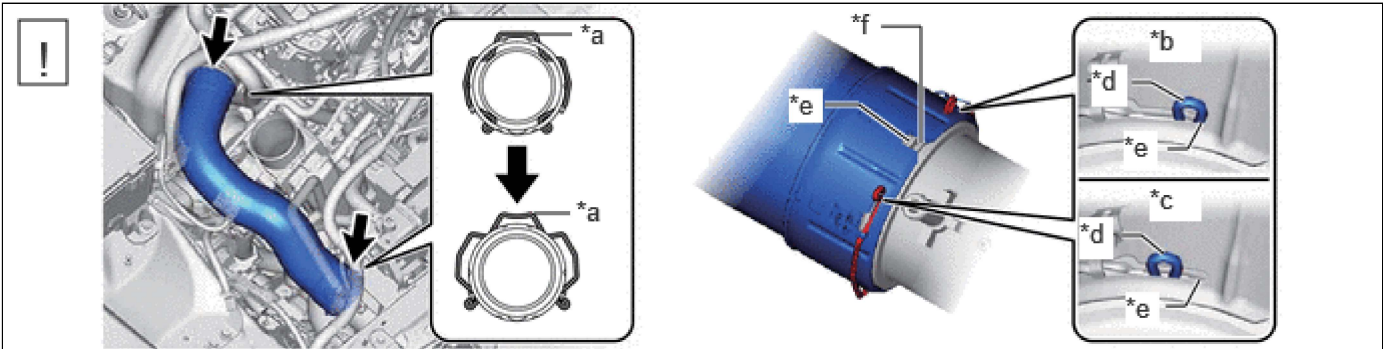
15. INSTALL FRONT FENDER APRON TRIM PACKING A

Click here [INFO](#)

16. INSTALL FRONT TIRE RH

Click here [INFO](#)

17. INSTALL NO. 1 AIR HOSE



*a	Retainer	*b	Correct
*c	Incorrect	*d	Retainer End
*e	Stopper	*f	Protrusion

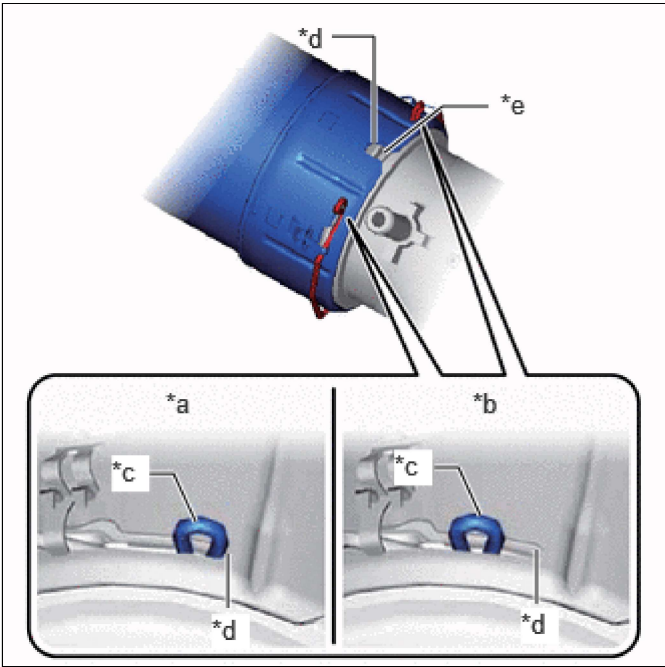
- (1) Connect the No. 1 air tube assembly to the intercooler assembly and lock the 2 retainers as shown in the illustration.

NOTICE:

Securely insert the retainer so that the 4 locks are engaged. Then, pull and check that the locks are engaged and that the hose cannot be pulled out.

HINT:

- Install so that the protrusion on the intercooler assembly and the stoppers are aligned.
- Make sure that the retainer end contacts the stopper as shown in the illustration.



*a	Correct
*b	Incorrect
*c	Retainer End
*d	Stopper
*e	Protrusion

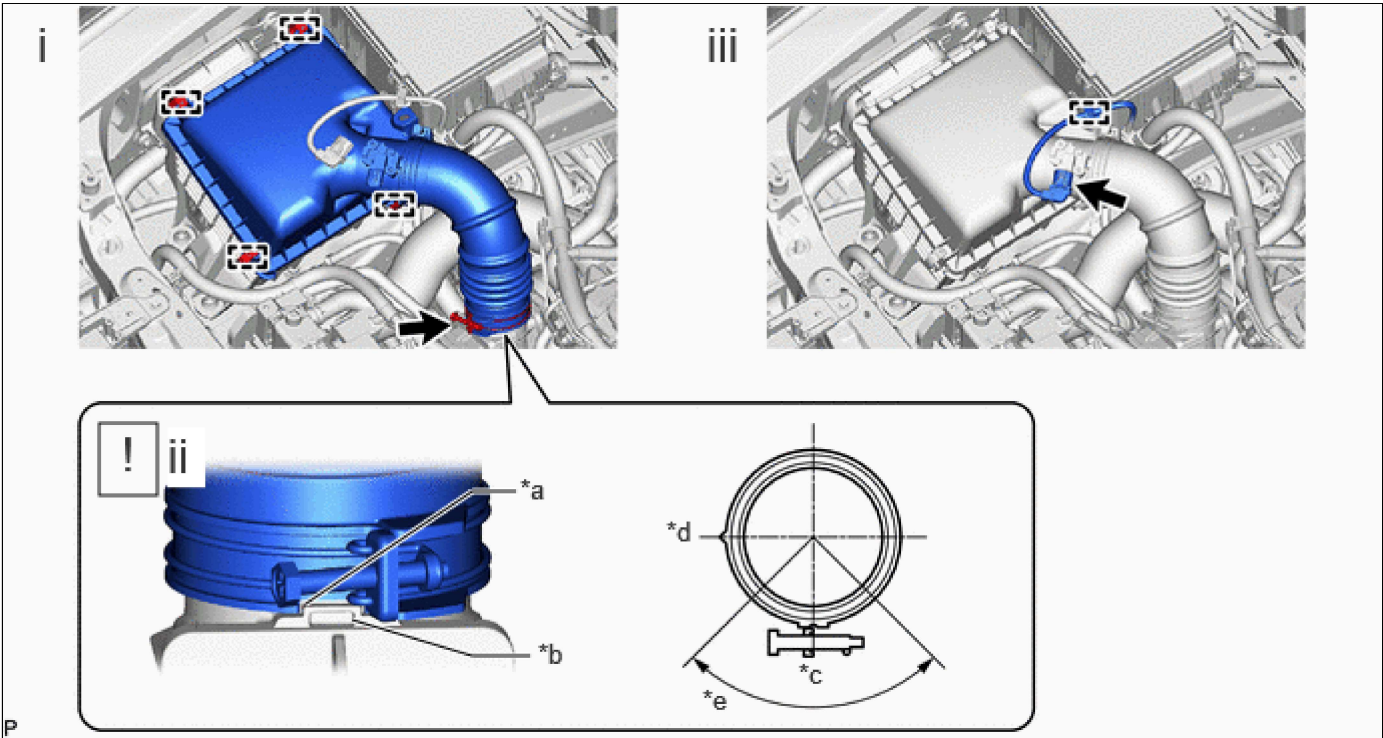
18. INSTALL NO. 1 AIR CLEANER STAY

Torque:
5.0 N·m {51 kgf·cm, 44 in·lbf}

19. INSTALL AIR CLEANER CASE SUB-ASSEMBLY

20. INSTALL AIR CLEANER FILTER ELEMENT SUB-ASSEMBLY

21. INSTALL AIR CLEANER CAP WITH NO. 1 AIR CLEANER HOSE



*a	Cutout	*b	Protrusion
*c	Front Side of Vehicle	*d	Right Side of Vehicle
*e	90°	-	-

- (1) Attach the 4 clips to install the air cleaner cap sub-assembly with air cleaner hose in the position shown in the illustration.
- (2) Tighten the hose clamp in the position shown in the illustration.

Torque:
4.0 N·m {41 kgf·cm, 35 in·lbf}

HINT:
Align the hose clamp at the locations shown in the illustration.

- (3) Connect the mass air flow meter connector and attach the wire harness clamp.

22. INSTALL NO. 1 AIR CLEANER INLET
23. INSTALL NO. 2 AIR CLEANER INLET
24. INSTALL CONVERTER WITH CATALYST ASSEMBLY

Click here [INFO](#)

25. ADD ENGINE OIL

Click here [INFO](#)

26. ADD ENGINE COOLANT

Click here [INFO](#)

27. INSPECT FOR COOLANT LEAK

Click here [INFO](#)

28. INSPECT FOR OIL LEAK

Click here 

29. INSPECT ENGINE OIL LEVEL

Click here 

30. INSPECT FOR EXHAUST GAS LEAK

Click here 