MITSUBISHI MOTORS

SERVICE BULLETIN

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CORRECTION	ISSUE NO. : MSB-15EXML15-501	DATE : 2015-01-07
SUBJECT : Correction of the removal and installation service points of the turbo charger assembly		<DESTINATION/MODEL> (As per attached sheet 1) <M/Y> 08-14
GROUP : Gr:15(Intake / Exhaust)		LANCER EVOLUTION(CZ4A)

1. Description :

Please refer to the attached document for the information about the change of mention in the applicable service manual. Also, The single item supply of the waste gate actuator is impossible, which was the error in writing in the related service manuals.
(Correct) : The single item supply of the waste gate actuator is impossible
(Wrong) : The single item supply of the waste gate actuator is possible

2. Affected service manuals :

Please refer to the attached document (Attached sheet 1)

3. About the details :

Please refer to the attached document (Attached sheet 4-6)

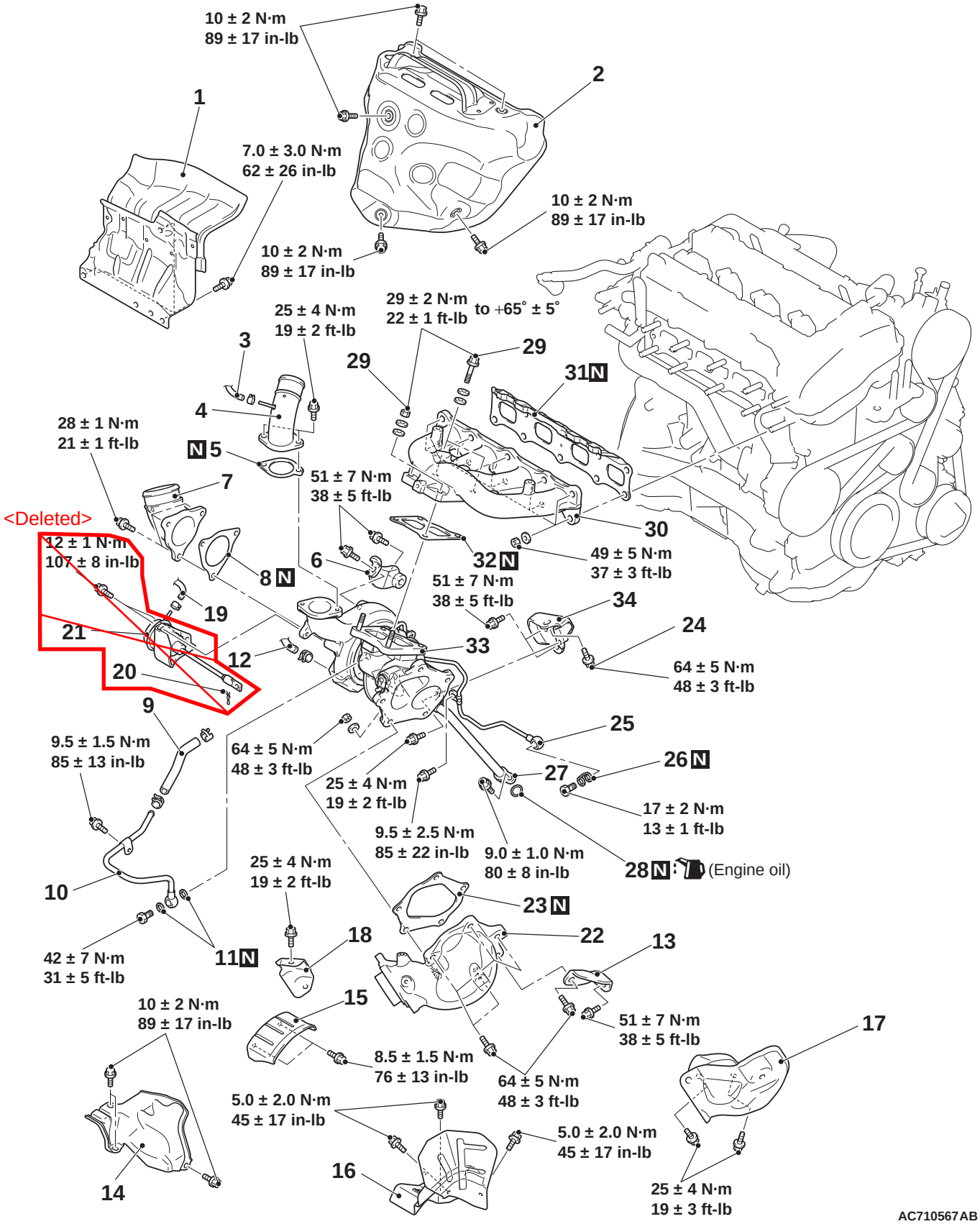
4. Effective time : From the initial vehicle

【For overseas market】

Destination	Applicable manual	Pub. No.	Applicable title (INFO-ID)	Contents
MMNA	2008 LANCER EVOLUTION Service manual	MSCD-206B-2008	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-05200-01)	Attached sheet 4
MMNA	2009 LANCER EVOLUTION Service manual	MSCD-206B-2009	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-06300-01)	Attached sheet 4
MMNA	2010 LANCER EVOLUTION Service manual	MSCD-206B-2010	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-04100-01)	Attached sheet 4
MMNA	2011 LANCER EVOLUTION Service manual	MSCD-206B-2011	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-04100-01)	Attached sheet 4
MMNA	2012 LANCER EVOLUTION Service manual	MSCD-206B-2012	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-04100-01)	Attached sheet 4
MMNA	2013 LANCER EVOLUTION Service manual	MSCD-206B-2013	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-04100-01)	Attached sheet 4
MMNA	2014 LANCER EVOLUTION Service manual	MSCD-206B-2014	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-04100-01)	Attached sheet 4
KOREA	2009 LANCER EVOLUTION Service manual	DRAFT	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-06300-01)	Attached sheet 4
KOREA	2010 LANCER EVOLUTION Service manual	DRAFT	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-04100-01)	Attached sheet 4
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KOREA	2014 LANCER EVOLUTION Service manual	DRAFT	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-891-04100-01)	Attached sheet 4

Attached sheet 1(2/2)

Destination	Applicable manual	Pub. No.	Applicable title (INFO-ID)	Contents
UK	2008 LANCER EVOLUTION Workshop manual	N/A	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-51000-01)	Attached sheet 5
EU	2009 LANCER EVOLUTION Workshop manual	CGEE09E1-CD(ENG) CGEF09E1-CD(FRE) CGEG09E1-CD(GER) CGES09E1-CD(SPA) CGEI09E1-CD(ITA)	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-58700-01)	Attached sheet 6
EU/RUSSIA	2010 LANCER EVOLUTION Workshop manual	CGEE10E1-CD(ENG) CGEF10E1-CD(FRE) CGEG10E1-CD(GER) CGES10E1-CD(SPA) CGEI10E1-CD(ITA) RUSSIA: N/A	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-64000-01)	Attached sheet 6
EU/RUSSIA	2011 LANCER EVOLUTION Workshop manual	CGEE11E1-CD(ENG) CGEF11E1-CD(FRE) CGEG11E1-CD(GER) CGES11E1-CD(SPA) CGEI11E1-CD(ITA)	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-64000-01)	Attached sheet 6
EU/RUSSIA	2012 LANCER EVOLUTION Workshop manual	CGEE12E1-CD(ENG) CGEF12E1-CD(FRE) CGEG12E1-CD(GER) CGES12E1-CD(SPA) CGEI12E1-CD(ITA) RUSSIA: N/A	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-64000-01)	Attached sheet 6
EU/RUSSIA	2013 LANCER EVOLUTION Workshop manual	CCZE13E1-CD(ENG) CCZF13E1-CD(FRE) CCZG13E1-CD(GER) CCZS13E1-CD(SPA) CCZI13E1-CD(ITA) RUSSIA: N/A	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-64000-01)	Attached sheet 6
G.EXP/GCC	2009 LANCER EVOLUTION Workshop manual	PWSE0801R-A CHINA: DRAFT	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-64000-01)	Attached sheet 6
G.EXP/GCC	2010 LANCER EVOLUTION Workshop manual	PWSE0905R CHINA: DRAFT	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-64000-01)	Attached sheet 6
MMAL/NZ	2009 LANCER EVOLUTION Workshop manual	MR936442 NZ: DRAFT	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-58700-01)	Attached sheet 6
MMAL/NZ	2010 LANCER EVOLUTION Workshop manual	MR936895 NZ: DRAFT	EXHAUST MANIFOLD AND TURBOCHARGER REMOVAL AND INSTALLATION (M151-00-890-64000-01)	Attached sheet 6



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Removal steps

1. Dash panel heat protector
2. Exhaust manifold cover

Removal steps (Continued)

3. Emission vacuum control hose connection
4. Turbocharger air outlet fitting

Removal steps (Continued)

5. Turbocharger air outlet fitting gasket

<<A>> >>F<< 6. Turbocharger compressor bracket

7. Turbocharger air inlet fitting
8. Turbocharger air inlet fitting gasket
9. Turbocharger water feed hose
10. Turbocharger water feed pipe
11. Gasket
12. Turbocharger water return hose

>>E<< 13. Turbocharger exhaust outlet fitting bracket

14. Transfer heat protector
15. Drive shaft heat protector
16. Steering gear and linkage heat protector
17. Turbocharger protector A
18. Turbocharger protector B
19. Emission vacuum control hose connection

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~~20. Turbocharger pin~~

<<B>> ~~21. Waste gate actuator~~

22. Turbocharger exhaust outlet fitting
23. Turbocharger exhaust outlet fitting gasket

>>C<< 24. Turbocharger bracket and turbocharger assembly coupling bolt

25. Turbocharger oil feed tube connection
26. Gasket
27. Turbocharger oil return tube connection
28. O-ring

>>D<< 29. Exhaust manifold and turbocharger assembly coupling bolt and nut

30. Exhaust manifold
31. Exhaust manifold gasket
32. Turbocharger gasket
33. Turbocharger assembly

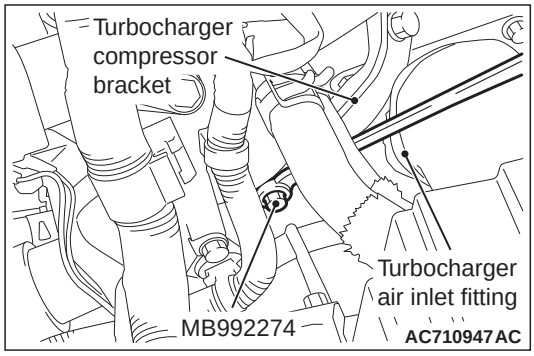
- Transfer assembly (Refer to GROUP 22A, Transfer Assembly <M/T>), (Refer to GROUP 22C, Transfer Assembly <TC-SST>)

>>C<< 34. Turbocharger bracket

REMOVAL SERVICE POINTS

<<A>> TURBOCHARGER COMPRESSOR BRACKET REMOVAL

Use special MB992274 to remove the turbocharger compressor bracket mounting bolt (cylinder block side).

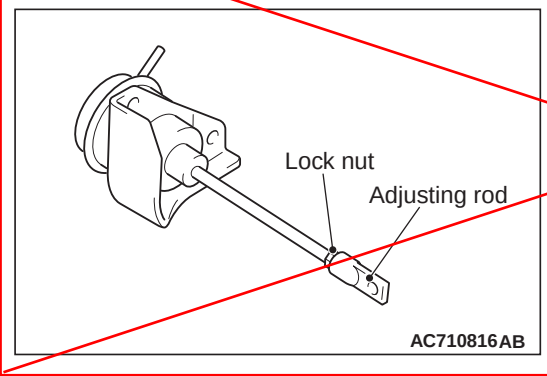


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<<B>> WASTE GATE ACTUATOR REMOVAL

⚠ CAUTION

Never loosen the locking nuts and adjusting rod of the waste gate actuator.



<<C>> TURBOCHARGER OIL FEED TUBE REMOVAL

⚠ CAUTION

Take care not to allow foreign objects to get into the oil passage hole of the turbocharger assembly after the turbocharger oil feed tube is removed.

INSTALLATION SERVICE POINTS

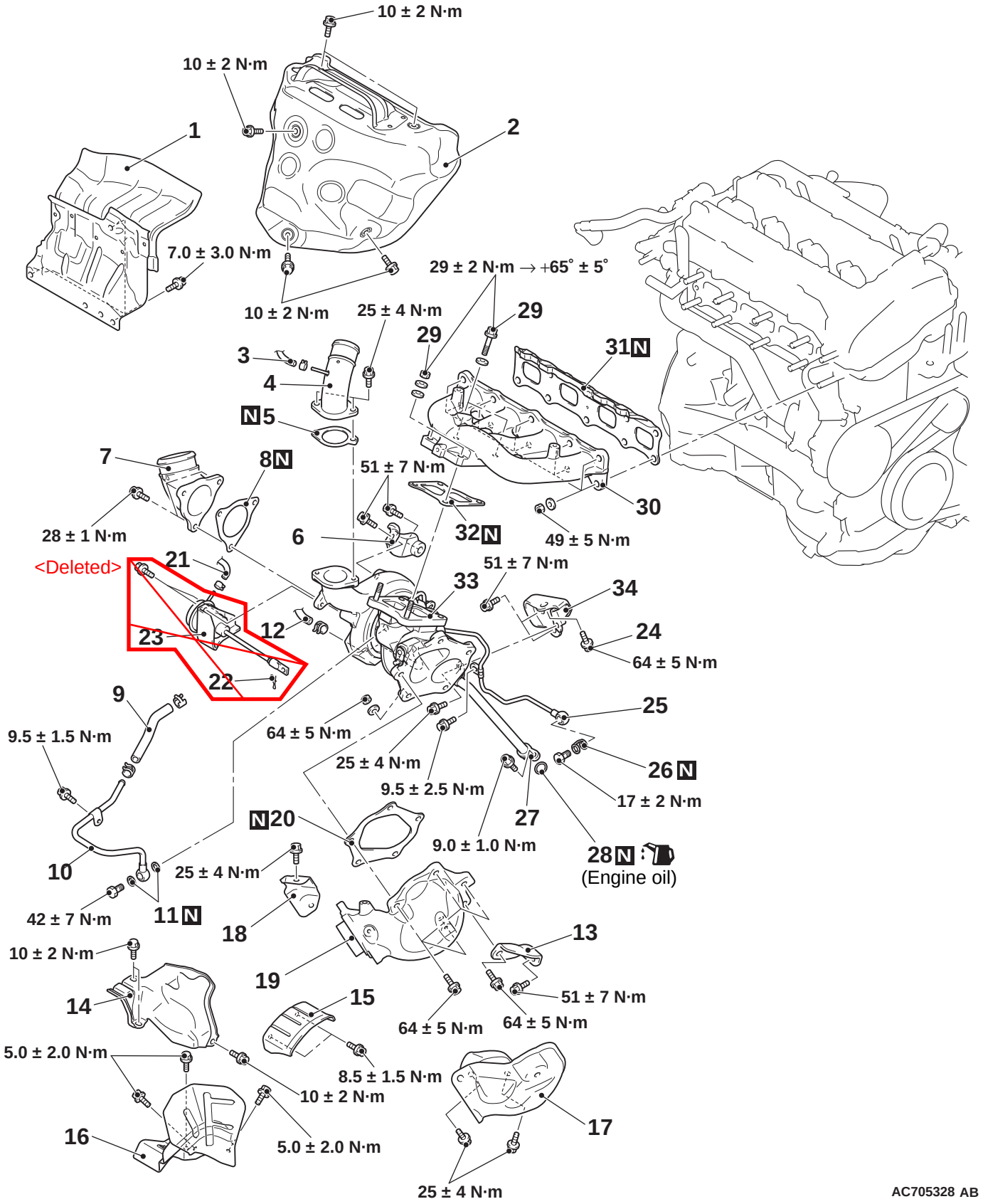
>>A<< TURBOCHARGER INSTALLATION

1. Clean the turbocharger oil feed tube, turbocharger water feed pipe and turbocharger water return pipe fitting, the inside of eye bolts, and individual pipe for clogs.

⚠ CAUTION

Take care not to allow foreign objects to get into the turbocharger.

2. Clean or use compressed air to remove any carbon particles stuck to the oil passage of the turbocharger.
3. Refill new engine oil at the turbocharger oil feed tube fitting hole of the turbocharger.



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Removal steps

1. Dash panel heat protector
2. Exhaust manifold cover

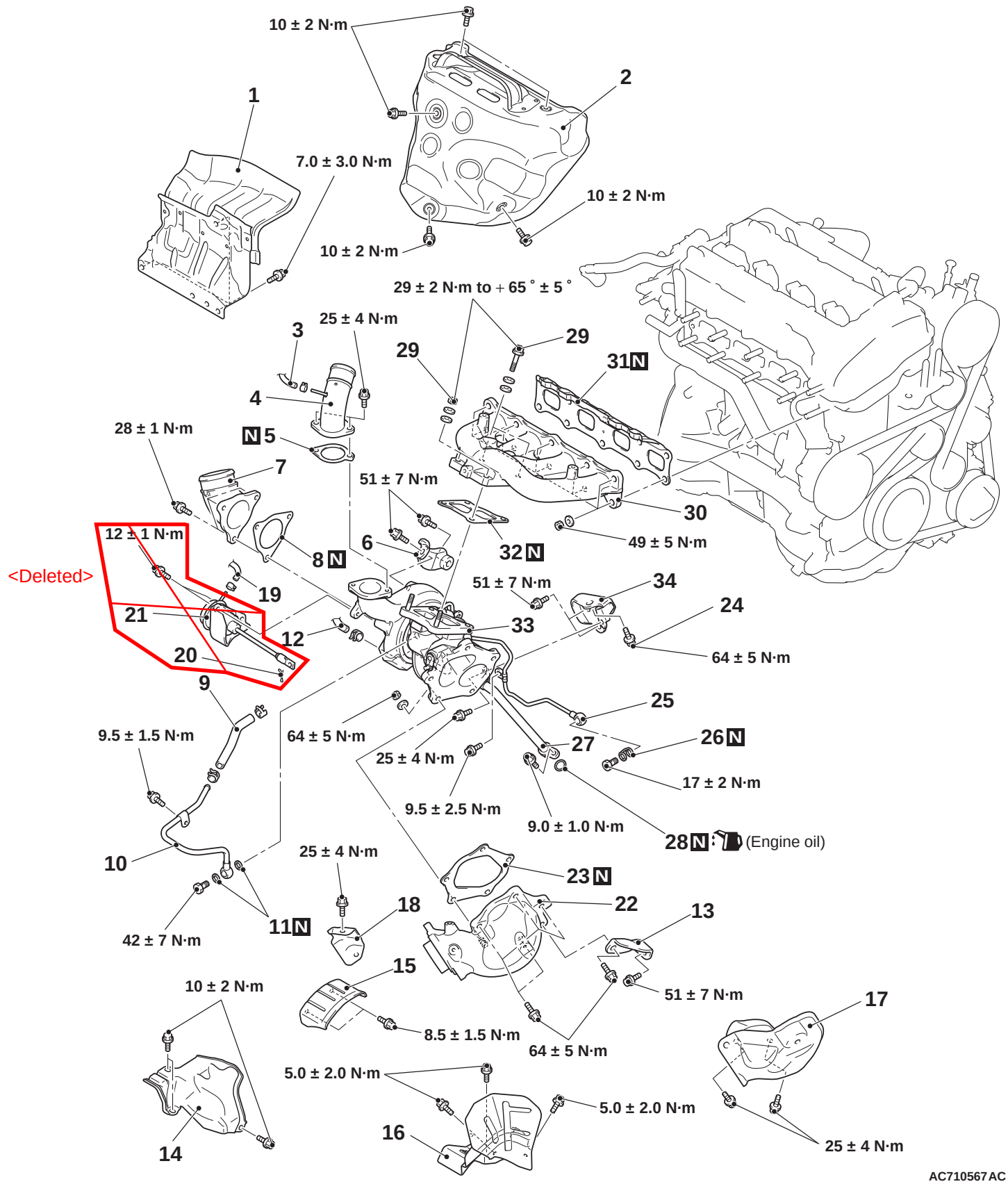
Removal steps (Continued)

3. Emission vacuum control hose connection
4. Turbocharger air outlet fitting

Removal steps (Continued)

5. Turbocharger air outlet fitting gasket
>>**F**<< 6. Turbocharger compressor bracket
7. Turbocharger air inlet fitting
8. Turbocharger air inlet fitting gasket
9. Turbocharger water feed hose
10. Turbocharger water feed pipe
11. Gasket
12. Turbocharger water return hose
>>**E**<< 13. Turbocharger exhaust outlet fitting bracket
14. Transfer heat protector
15. Driveshaft heat protector
16. Steering gear and linkage heat protector
17. Turbocharger protector A
18. Turbocharger protector B
19. Turbocharger exhaust outlet fitting
20. Turbocharger exhaust outlet fitting gasket
21. Emission vacuum control hose connection
<Deleted> ~~22. Turbocharger pin~~
~~23. West gate actuator~~
>>**C**<< 24. Turbocharger bracket and turbocharger assembly coupling bolt
25. Turbocharger oil feed tube connection
26. Gasket
27. Turbocharger oil return tube connection
28. O-ring
>>**D**<< 29. Exhaust manifold and turbocharger coupling bolt & nut
30. Exhaust manifold
31. Exhaust manifold gasket
32. Turbocharger gasket
33. Turbocharger assembly
- Transfer assembly (Refer to GROUP 22A – Transfer Assembly . <W5M6A>), (Refer to GROUP 22C – Transfer Assembly . <W6DGA>)

>>**C**<< 34. Turbocharger bracket



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Removal steps

1. Dash panel heat protector
2. Exhaust manifold cover

Removal steps (Continued)

3. Emission vacuum control hose connection
4. Turbocharger air outlet fitting

Removal steps (Continued)

5. Turbocharger air outlet fitting gasket
<<**A**>> >>**F**<< 6. Turbocharger compressor bracket
7. Turbocharger air inlet fitting
8. Turbocharger air inlet fitting gasket
9. Turbocharger water feed hose
10. Turbocharger water feed pipe
11. Gasket
12. Turbocharger water return hose connection
>>**E**<< 13. Turbocharger exhaust outlet fitting bracket
14. Transfer heat protector
15. Drive shaft heat protector
16. Steering gear and linkage heat protector
17. Turbocharger protector A
18. Turbocharger protector B
19. Emission vacuum control hose connection

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~~20. Turbocharger pin~~
<<**B**>> ~~21. Waste gate actuator~~

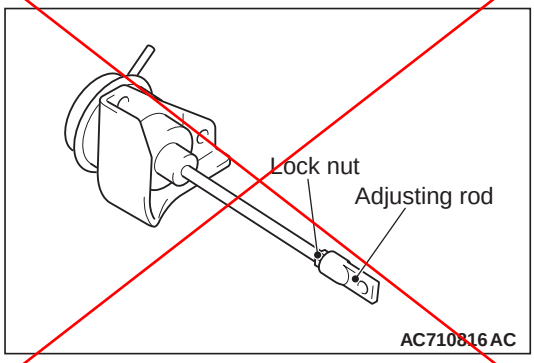
22. Turbocharger exhaust outlet fitting
23. Turbocharger exhaust outlet fitting gasket
>>**C**<< 24. Turbocharger bracket and turbocharger assembly coupling bolt
25. Turbocharger oil feed tube connection
26. Gasket
27. Turbocharger oil return tube connection
28. O-ring
>>**D**<< 29. Exhaust manifold and turbocharger assembly coupling bolt and nut
30. Exhaust manifold
31. Exhaust manifold gasket
32. Turbocharger gasket
33. Turbocharger assembly
- Transfer assembly (Refer to GROUP 22A – Transfer Assembly) <M/T>
- Transfer assembly (Refer to GROUP 22C – Transfer Assembly) <TC-SST>

>>**C**<< 34. Turbocharger bracket

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<<B>> WASTE GATE ACTUATOR REMOVAL

⚠ CAUTION



Never loosen the lock nut and adjusting rod of the water gate actuator.

<<C>> TURBOCHARGER OIL FEED TUBE/ TURBOCHARGER OIL RETURN TUBE REMOVAL

⚠ CAUTION

Take care not to allow foreign objects to get into the oil passage hole of the turbocharger assembly after the turbocharger oil tube is removed.

INSTALLATION SERVICE POINTS

>>A<< TURBOCHARGER INSTALLATION

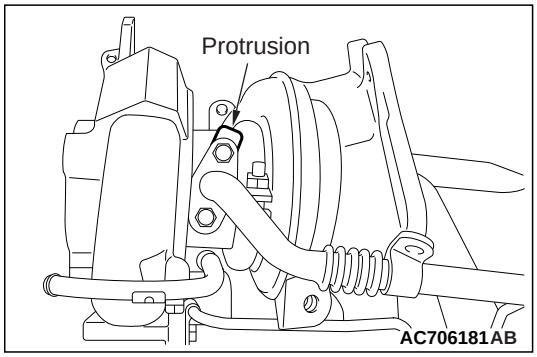
1. Clean the fitting between turbocharger oil tube and turbocharger water pipe, the inside of eye bolts, the inside of tube and the inside of pipe for clogs.

⚠ CAUTION

Take care not to allow foreign objects to get into the turbocharger.

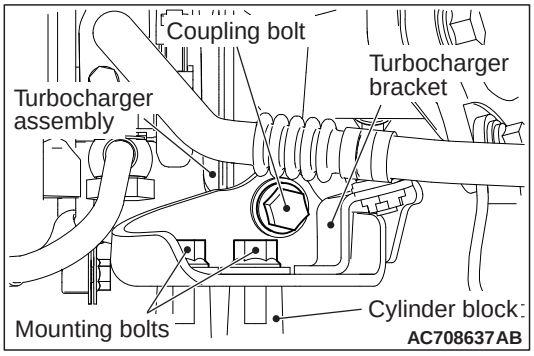
2. Clean or use compressed air to remove any carbon particles stuck to the oil passage of the turbocharger.
3. Refill new engine oil at the turbocharger oil feed tube fitting hole of the turbocharger.

>>B<< TURBOCHARGER OIL RETURN TUBE GASKET INSTALLATION



Install the gasket so that its protrusion faces in the direction shown in the illustration.

>>C<< TURBOCHARGER BRACKET/ TURBOCHARGER BRACKET AND TURBOCHARGER ASSEMBLY COUPLING BOLT INSTALLATION



1. Check that the turbocharger bracket is in close contact with the turbocharger assembly and with the cylinder block. Then, temporarily tighten the turbocharger bracket mounting bolts, the turbocharger bracket and the turbocharger assembly coupling bolts.
2. Tighten the turbocharger bracket mounting bolts to the specified torque.

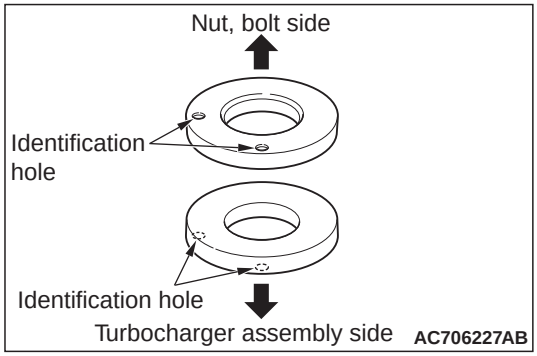
   Tightening torque: 51 ± 7 N·m

3. Tighten the turbocharger bracket and turbocharger assembly coupling bolt to the specified torque.

   Tightening torque: 64 ± 5 N·m

>>D<< EXHAUST MANIFOLD AND TURBOCHARGER ASSEMBLY COUPLING BOLT AND NUT INSTALLATION

1. Tighten the bolts and nuts according to the procedure below.



(1) Install the two washers so that the identification holes face outside as shown in the figure.
(2) Tighten the bolts and nuts to 29 ± 2 N·m in the order of number shown in the figure.