SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CHANGE	ISSUE NO. : MSB-13EXML14-002A	DATE : 2013-09-10
SUBJECT : CHANGE OF THE RADIATOR ASSY AND RADIATOR LOWER HOSE		<Destination/Model> (AS PER ATTACHED 1) <M/Y> 14
GROUP : ENGINE COOLING(Gr:14)		LANCER/LANCER EX(CY0A)/ LANCER SPORTBACK(CX0A)

1. Description :

Please refer to the attached document for the information about the change of mention in the applicable service manual.(Change of the radiator assy and radiator lower hose for improving productivity)

2. Applicable service manual :

Please refer to the attached document (Attached sheet 1)

3. About the details :

Please refer to the attached document (Attached sheet 3-8)

4. Effective time :

1)For M/T vehicle(only for EU) : from the vehicle produced from the beginning of March
2)For M/T vehicle(other than EU) : from the vehicle produced from the middle of April
3)For CVT vehicle(all destinations) : from the 14MY vehicle

5. Related EO : EO QM0466/QP0500/QP0147/QP0170

Attached sheet 1

【For overseas market】

<LANCER (GS41)/LANCER SPORTBACK (GS44S)>

Destination	Applicable manual	Pub.No.	Applicable title	Content
MMNA	2014 LANCER/LANCER SPORTBACK Service Manual CD-ROM	MSCD-106B-2014	REMOVAL AND INSTALLATION <2.0L ENGINE NON-TURBO, 2.4L ENGINE> (M141-00-153-17701-01)	Attached sheet 3, 4

<LANCER (GS41)>

Destination	Applicable manual	Pub.No.	Applicable title	Content
MEXICO	2014 LANCER/LANCER SPORTBACK Service Manual CD-ROM	MSCD-106B-2014	REMOVAL AND INSTALLATION <2.0L ENGINE NON-TURBO, 2.4L ENGINE> (M141-00-153-17701-01)	Attached sheet 3, 4

<LANCER (GS41)/LANCER SPORTBACK (GS44S)>

Destination	Applicable manual	Service bulletin No.	Applicable title	Content
EU/ RUSSIA	Service bulletin	MSB-12E00-005 (12-CD-051)	GENERAL INFORMATION (M131-00-017-01400-01) <after>	Attached sheet 5

<LANCER/LANCER EX (GS41)>

Destination	Applicable manual	Service bulletin No.	Applicable title	Content
G. EXP	Service bulletin	MSB-12X00-017 (12-CD-047)	GENERAL DATA AND SPECIFICATIONS (M001-00-097-69000-01) <after>	Attached sheet 6

<LANCER (GS41)>

Destination	Applicable manual	Service bulletin No.	Applicable title	Content
BRAZIL/ SOUTH AFRICA/ ARGENTINA	Service bulletin	MSB-12X00-017 (12-CD-047)	GENERAL DATA AND SPECIFICATIONS (M001-00-097-69000-01) <after>	Attached sheet 6

<LANCER (GS41)/LANCER SPORTBACK (GS44S)>

Destination	Applicable manual	Service bulletin No.	Applicable title	Content
MMAL/MZ	Service bulletin	MSB-12XL00-007 (12-CD-053)	WATER HOSE AND WATER PIPE REMOVAL AND INSTALLATION <4B1-NON-TURBO> (M141-00-334-49500-01) <after>	Attached sheet 7, 8

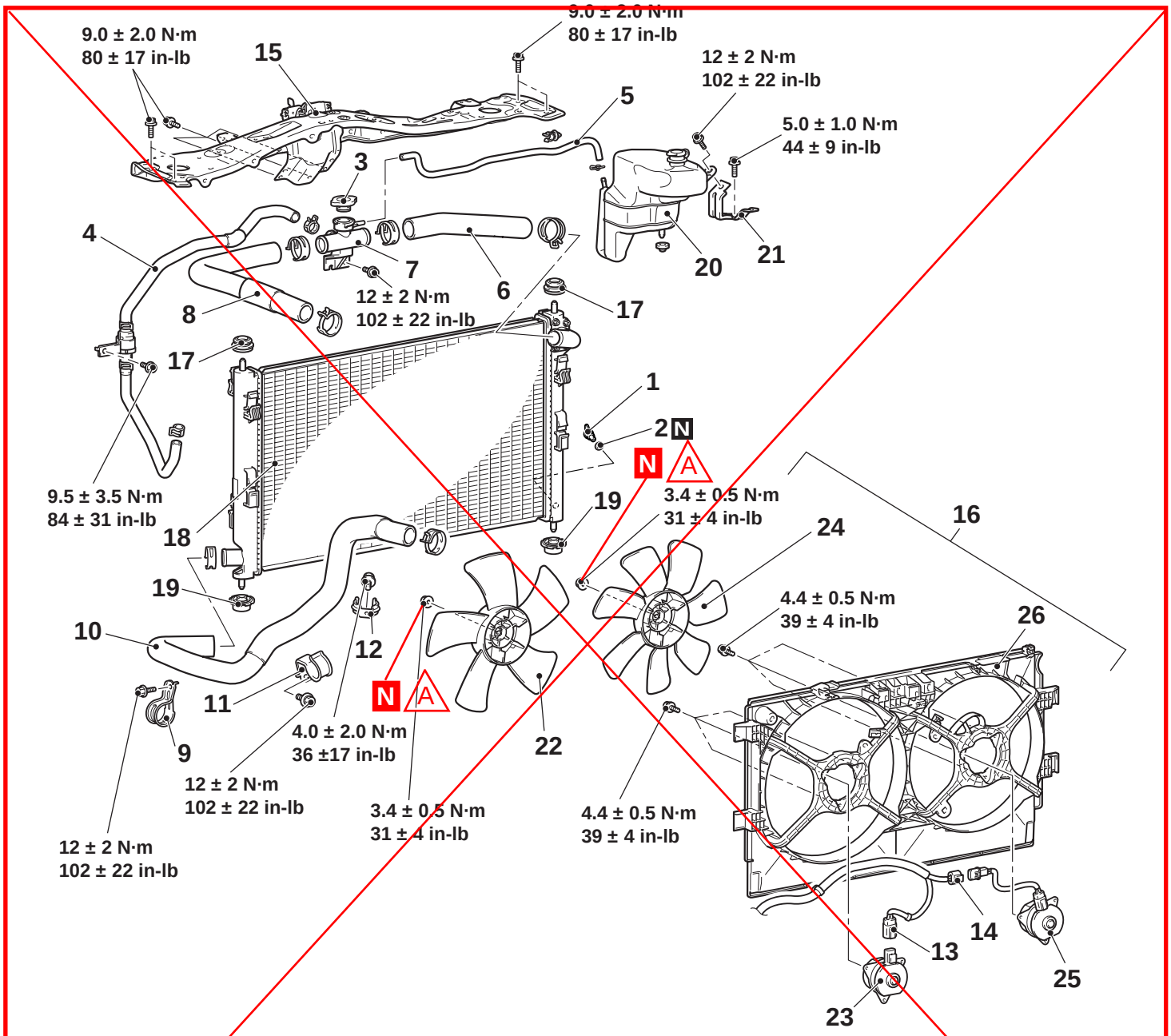
RADIATOR

REMOVAL AND INSTALLATION <2.0L ENGINE NON-TURBO, 2.4L ENGINE>

M1141001503177

Pre-removal Operation	Post-installation Operation
• Engine coolant Draining (Refer to P.14-26.) • Air Cleaner Assembly Removal (Refer to GROUP 15, Air Cleaner .)	• Air Cleaner Assembly Installation (Refer to GROUP 15, Air Cleaner .) • Engine coolant Refilling and Check (Refer to P.14-26.)

<Old>



Radiator removal steps

- Engine Room Under Cover Front A, B (Refer to GROUP 51, Under Cover)

1. Radiator drain plug
2. O-ring
3. Radiator cap

<<A>> >>A<<

<<A>> >>A<<

Radiator removal steps

4. CVT fluid cooler water feed hose assembly <CVT>
5. Radiator condenser tank hose
6. Radiator upper hose
7. Radiator cap assembly
8. Radiator upper hose
9. Radiator hose clamp

<New>

Attached sheet 4

Attached sheet 3(2/2)

<Old>

Radiator removal steps

<<**A**>> >>**A**<< 10. Radiator lower hose
11. Radiator hose bracket <M/T>
12. Radiator hose support <CVT>
13. Radiator fan motor connector connection
14. Condenser fan motor connector connection
- Headlight support panel cover (Refer to GROUP 51, Front Bumper Assembly and Radiator Grille)
- Hood latch and hood lock release cable (Refer to GROUP 42A, Hood)
- Front impact sensor (Refer to GROUP 52B, Front Impact Sensors)

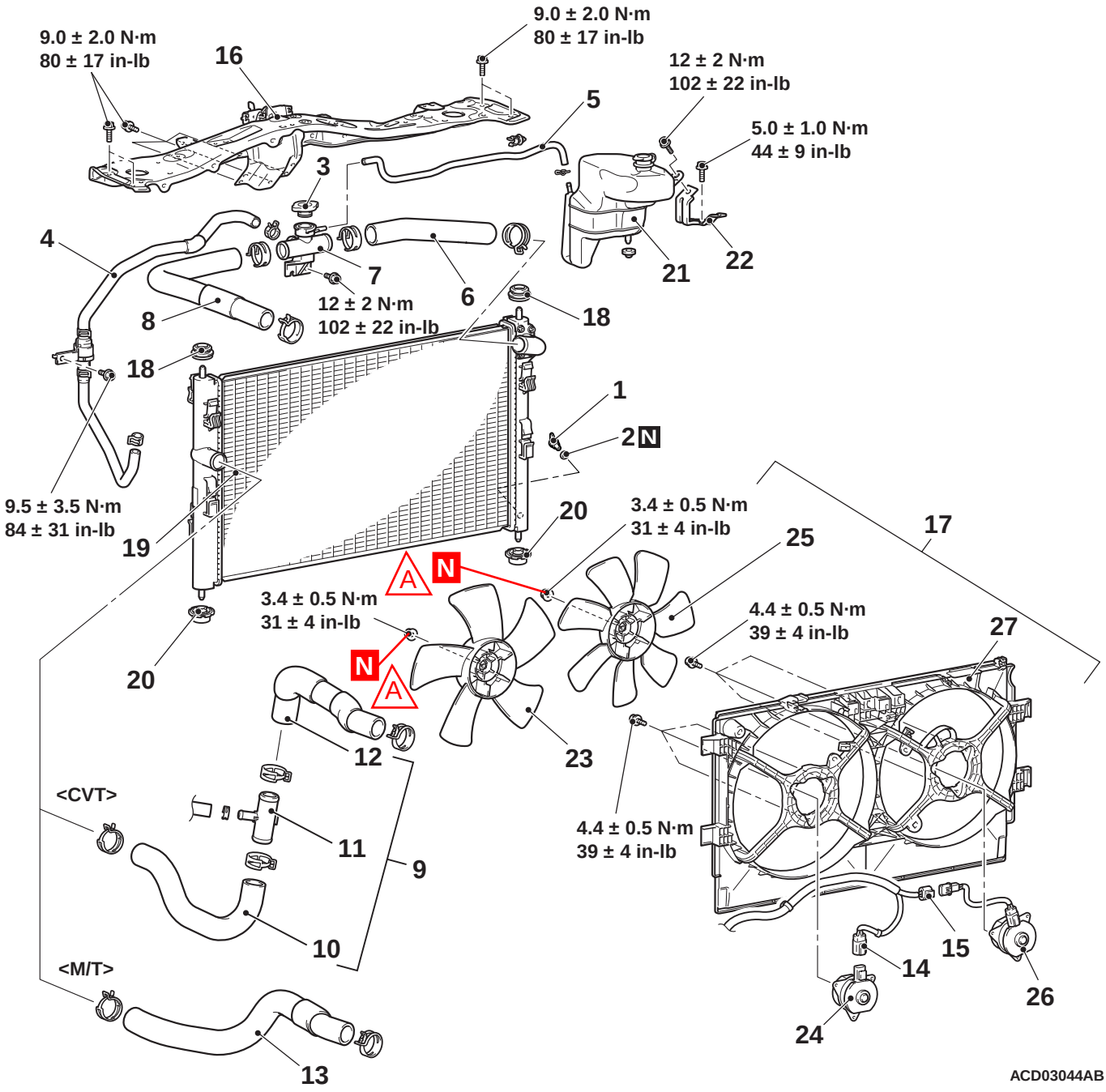
15. Front end upper bar assembly
<<**B**>> 16. Fan, fan motor and cooling fan shroud assembly
17. Support upper insulator
18. Radiator assembly
19. Support lower insulator
20. Radiator condenser tank
21. Radiator condenser tank bracket

Cooling fan shroud removal steps

4. CVT fluid cooler water feed hose assembly <CVT>
5. Radiator condenser tank hose
<<**A**>> >>**A**<< 6. Radiator upper hose
7. Radiator cap assembly
13. Radiator fan motor connector connection
14. Condenser fan motor connector connection
- Headlight support panel cover (Refer to GROUP 51, Front Bumper Assembly and Radiator Grille)
- Hood latch and hood lock release cable (Refer to GROUP 42A, Hood)
- Front impact sensor (Refer to GROUP 52B, Front Impact Sensors)

15. Front end upper bar assembly
<<**B**>> 16. Fan, fan motor and cooling fan shroud assembly
22. Radiator fan
23. Radiator fan motor
24. Condenser fan
25. Condenser fan motor
26. Cooling fan shroud

<New>
Attached sheet 4



ACD03044AB

Radiator removal steps

- Engine Room Under Cover Front A, B (Refer to GROUP 51, Under Cover)

1. Radiator drain plug
2. O-ring
3. Radiator cap

<<A>> >>A<<

<<A>> >>A<<

Radiator removal steps

4. CVT fluid cooler water feed hose assembly <CVT>
5. Radiator condenser tank hose
6. Radiator upper hose
7. Radiator cap assembly
8. Radiator upper hose

Radiator removal steps

- Water return hose connection (Refer to GROUP 23A – CVT Fluid Cooler and Cooler Line .)

<<A>> >>A<< 9. Radiator lower hose assembly <CVT>

<<A>> >>A<< 10. Radiator lower hose <CVT>

11. Radiator lower hose pipe <CVT>

<<A>> >>A<< 12. Radiator lower hose <CVT>

<<A>> >>A<< 13. Radiator lower hose <M/T>

14. Radiator fan motor connector connection

15. Condenser fan motor connector connection

- Headlight support panel cover (Refer to GROUP 51, Front Bumper Assembly and Radiator Grille)
- Hood latch and hood lock release cable (Refer to GROUP 42A, Hood)
- Front impact sensor (Refer to GROUP 52B, Front Impact Sensors)

16. Front end upper bar assembly

<<B>> 17. Fan, fan motor and cooling fan shroud assembly

18. Support upper insulator

19. Radiator assembly

20. Support lower insulator

21. Radiator condenser tank

22. Radiator condenser tank bracket

Cooling fan shroud removal steps

4. CVT fluid cooler water feed hose assembly <CVT>

5. Radiator condenser tank hose

<<A>> >>A<< 6. Radiator upper hose

7. Radiator cap assembly

14. Radiator fan motor connector connection

15. Condenser fan motor connector connection

- Headlight support panel cover (Refer to GROUP 51, Front Bumper Assembly and Radiator Grille)
- Hood latch and hood lock release cable (Refer to GROUP 42A, Hood)
- Front impact sensor (Refer to GROUP 52B, Front Impact Sensors)

16. Front end upper bar assembly

<<B>> 17. Fan, fan motor and cooling fan shroud assembly

23. Radiator fan

24. Radiator fan motor

25. Condenser fan

Cooling fan shroud removal steps (Continued)

26. Condenser fan motor

27. Cooling fan shroud

GROUP 14

ENGINE COOLING

CONTENTS

GENERAL INFORMATION 14-2

RADIATOR 14-2

RADIATOR REMOVAL AND INSTALLATION <4B1, 4J1>. 14-2

GENERAL INFORMATION

M1141000102645

OUTLINE OF CHANGE

Due to the following changes, the service procedure for the radiator has been established. <4B1, 4J1>

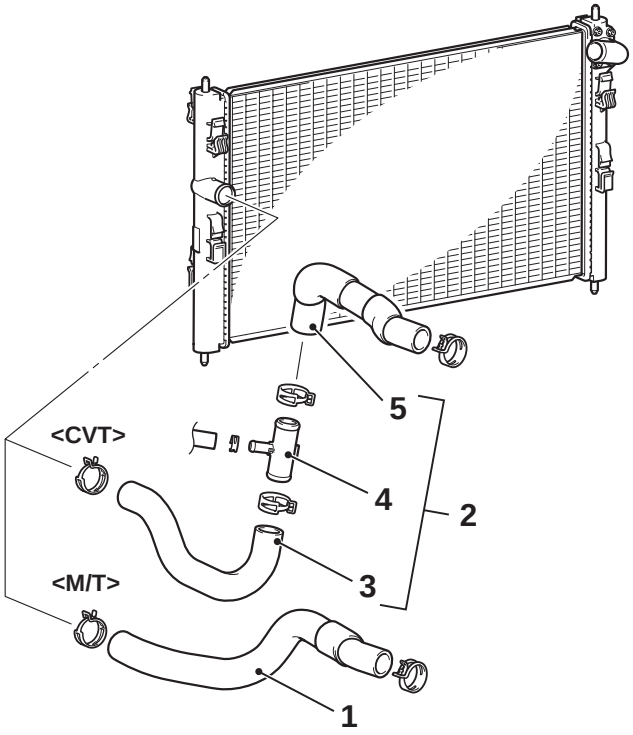
- The radiator lower hose has been changed.
- The radiator assembly has been changed.

RADIATOR

REMOVAL AND INSTALLATION

M1141001504329

Pre-removal Operation	Post-installation Operation
• Engine coolant Draining. • Air Cleaner Assembly Removal.	• Air Cleaner Assembly Installation. • Engine coolant Refilling.



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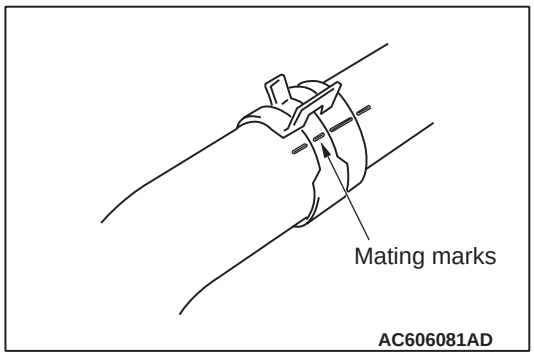
Radiator lower hose removal steps

- Water return hose connection (Refer to GROUP 23A – CVT Fluid Cooler Line.)

<<A>> >>A<< 1. Radiator lower hose <M/T>
<<A>> >>A<< 2. Radiator lower hose assembly <CVT>
<<A>> >>A<< 3. Radiator lower hose <CVT>
4. Radiator lower hose pipe <CVT>
<<A>> >>A<< 5. Radiator lower hose <CVT>

REMOVAL SERVICE POINTS

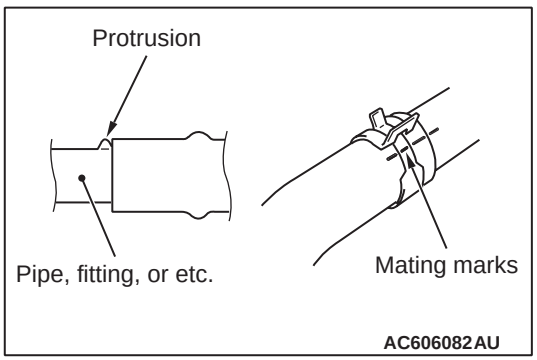
<<A>> RADIATOR HOSE REMOVAL



Make mating marks on the radiator hose and the hose clip as shown to install them in the original position.

INSTALLATION SERVICE POINT

>>A<< RADIATOR HOSE CONNECTION



1. Insert the radiator hose until the protrusion of the pipe.
2. Align the mating marks on the radiator hose and hose clip.
3. Remove the hose clip claw and shorten the hose clip, then install the radiator hose.

GROUP 14

ENGINE COOLING

CONTENTS

GENERAL INFORMATION 14-2
RADIATOR 14-2
RADIATOR REMOVAL AND INSTALLATION <4B1> 14-2

GENERAL INFORMATION

M1141000102634

OUTLINE OF CHANGE

Due to the following changes, the service procedure for the radiator has been established. <4B1>

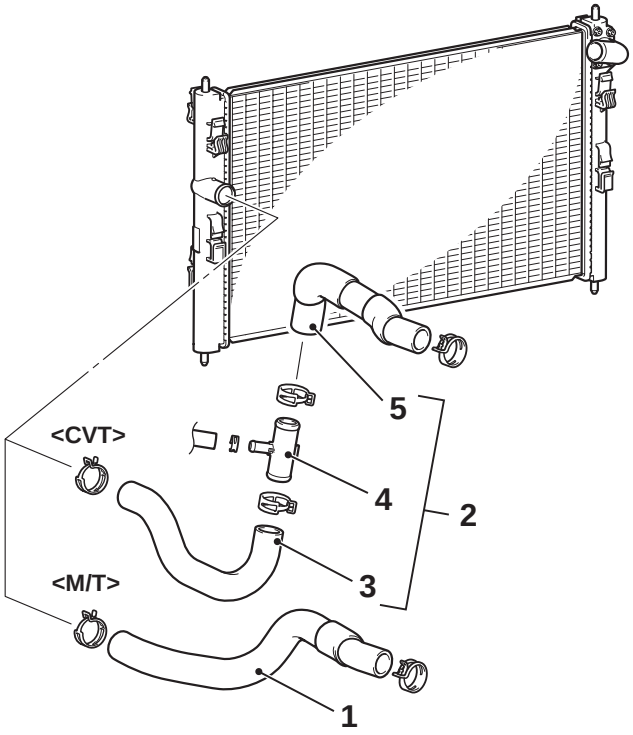
- The radiator lower hose has been changed.
- The radiator assembly has been changed.

RADIATOR

REMOVAL AND INSTALLATION

M1141001504329

Pre-removal Operation	Post-installation Operation
• Engine coolant Draining. • Air Cleaner Assembly Removal.	• Air Cleaner Assembly Installation. • Engine coolant Refilling.



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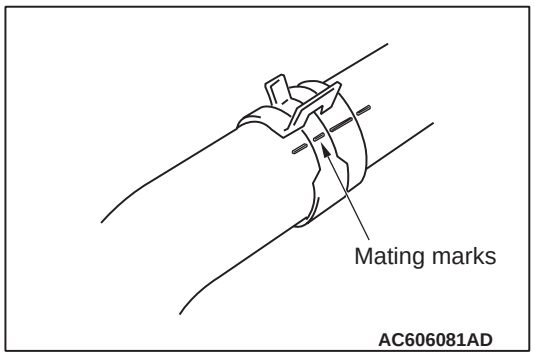
Radiator lower hose removal steps

- Water return hose connection (Refer to GROUP 23A – CVT Fluid Cooler Line.)

<<A>> >>A<< 1. Radiator lower hose <M/T>
<<A>> >>A<< 2. Radiator lower hose assembly <CVT>
<<A>> >>A<< 3. Radiator lower hose <CVT>
4. Radiator lower hose pipe <CVT>
<<A>> >>A<< 5. Radiator lower hose <CVT>

REMOVAL SERVICE POINTS

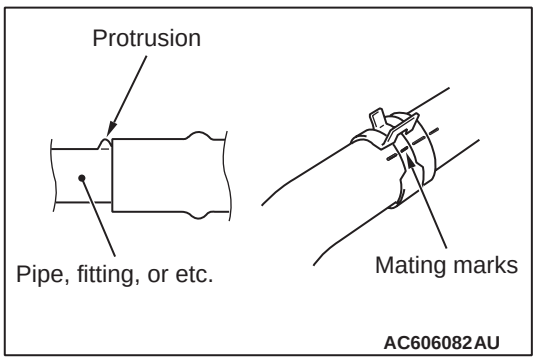
<<A>> RADIATOR HOSE REMOVAL



Make mating marks on the radiator hose and the hose clip as shown to install them in the original position.

INSTALLATION SERVICE POINT

>>A<< RADIATOR HOSE CONNECTION

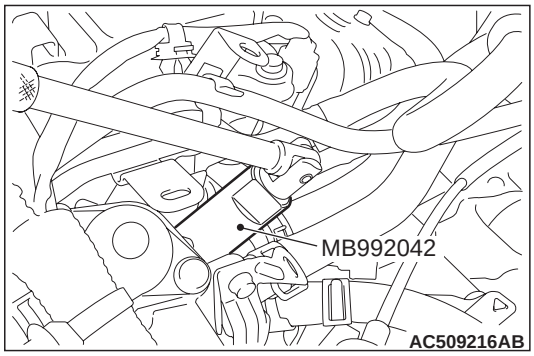


1. Insert the radiator hose until the protrusion of the pipe.
2. Align the mating marks on the radiator hose and hose clip.
3. Remove the hose clip claw and shorten the hose clip, then install the radiator hose.

Attached sheet 7

⚠ CAUTION

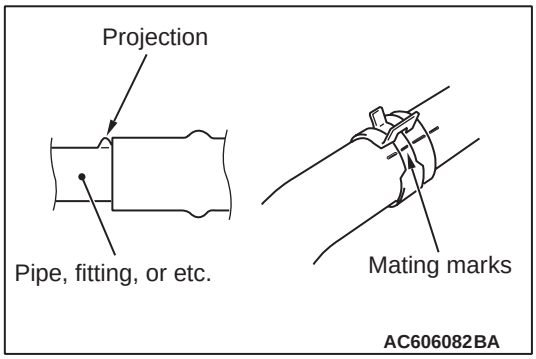
After the installation, until a sufficient period of time (one hour or more) elapses, do not apply the engine oil or water to the sealant application area or start the engine.



2. Use special tool water temp sensor wrench (MB992042) to tighten the engine coolant temperature sensor to the specified torque.

Tightening torque: 30 ± 9 N·m

>>C<< RADIATOR UPPER HOSE CONNECTION



1. Insert radiator upper hose as far as the projection of the cooling water outlet hose fitting.
2. Align the mating marks on the radiator upper hose and hose clamp, and then connect the radiator upper hose.

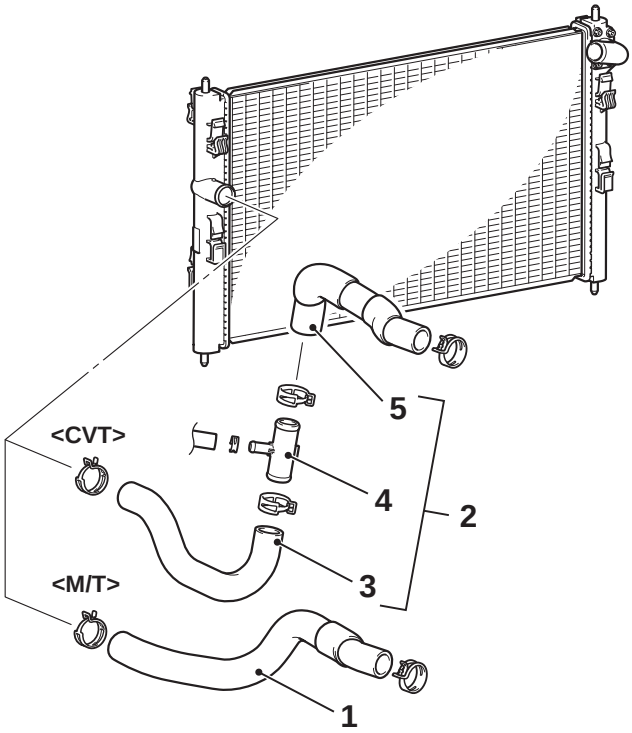
Attached sheet 8

RADIATOR

REMOVAL AND INSTALLATION <NON-TURBO>

M1141001504329

Pre-removal Operation	Post-installation Operation
• Engine coolant Draining. • Air Cleaner Assembly Removal.	• Air Cleaner Assembly Installation. • Engine coolant Refilling.



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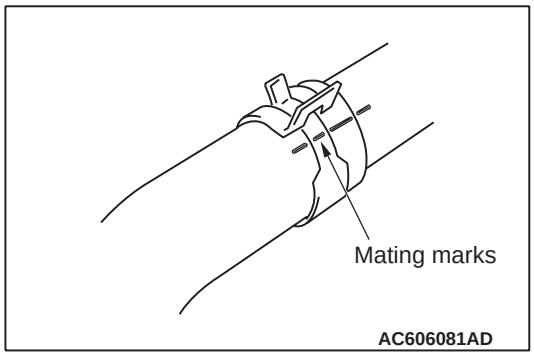
Radiator lower hose removal steps

- Water return hose connection (Refer to GROUP 23A – CVT Fluid Cooler Line.)

<<A>> >>A<< 1. Radiator lower hose <M/T>
<<A>> >>A<< 2. Radiator lower hose assembly <CVT>
<<A>> >>A<< 3. Radiator lower hose <CVT>
4. Radiator lower hose pipe <CVT>
<<A>> >>A<< 5. Radiator lower hose <CVT>

REMOVAL SERVICE POINTS

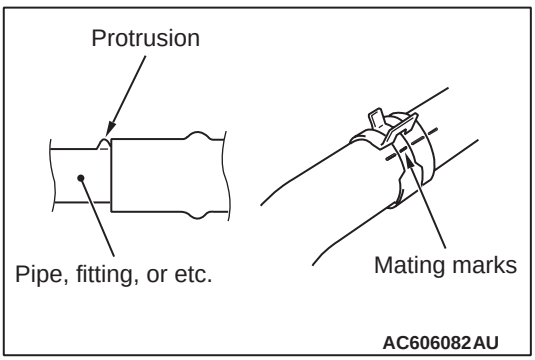
<<A>> RADIATOR HOSE REMOVAL



Make mating marks on the radiator hose and the hose clip as shown to install them in the original position.

INSTALLATION SERVICE POINT

>>A<< RADIATOR HOSE CONNECTION



1. Insert the radiator hose until the protrusion of the pipe.
2. Align the mating marks on the radiator hose and hose clip.
3. Remove the hose clip claw and shorten the hose clip, then install the radiator hose.