

**Whistling Noise From Air Conditioning –
Revised Suction Pipe –
Replacement Procedure**MODEL 1998 MY-ON
V8 XJ Series

VIN 812256-ON

Issue:

This Technical Bulletin has been issued due to customer complaints of a ‘whistling’ noise emanating from the Air Conditioning (A/C) system. Only apparent whilst the A/C system is operating, it can be stopped by turning off the A/C.

These complaints only relate to vehicles with normally aspirated engines.

Action:

To eliminate this noise the one piece suction pipe is replaced with a two-piece pipe. To replace the suction pipe follow the workshop procedure below:

REPLACEMENT PROCEDURE

1. Open luggage compartment.
2. Disconnect battery.

⚠ Warning: After the battery has been disconnected, wait for one minute for the air bag system to disarm.

3. Open hood and fit fender protectors.
4. Remove left/right hand bulkhead covers.
5. Remove engine compartment rear cover.
6. Recover refrigerant (see JTIS CD ROM, section: 412-00, Description & Operation, Climate Control System, Handling Refrigerant).
7. Remove A/C suction pipe to evaporator bolt and disconnect suction pipe from evaporator.
8. Fit suitable plugs to pipe and evaporator.

⚠ Caution: At no time should the air conditioning system be left open to the atmosphere, as damage may occur due to moisture ingress.

9. Remove rear-securing nut from engine coolant expansion tank and loosen front expansion tank securing nut.
10. Move expansion tank to allow access.
11. Disconnect oxygen sensor at left hand down pipe.
12. Remove heat shields, if equipped.
13. From underside, cut tie straps securing oxygen sensor wires to oil cooler pipe.

14. Remove down pipe catalyst and discard gaskets.
15. Disconnect suction pipe from A/C compressor.
16. Fit suitable plugs to pipe and compressor.

⚠ Caution: At no time should the air conditioning system be left open to atmosphere, as damage may occur due to moisture ingress

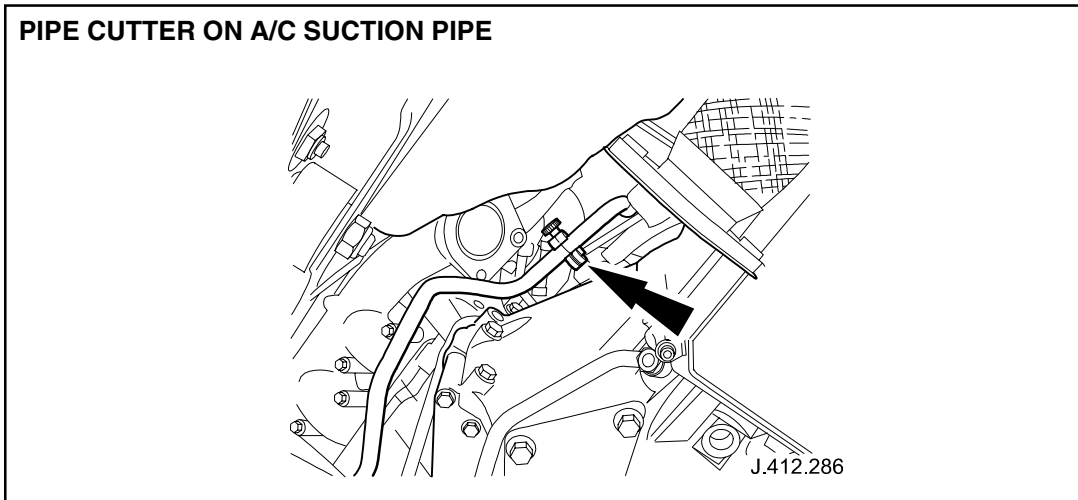


ILLUSTRATION 1

17. Using a small pipe cutter cut through the A/C suction pipe at a similar point to the two piece pipes joint (Illustration 1).
18. Remove lower half of the suction pipe.
19. Remove W-clip and rubber insulator from lower half of the suction pipe.
20. Remove upper half of suction pipe.
21. Ensure components and mating faces are cleaned thoroughly prior to reassembly.

Note: Tape up cut ends of removed suction pipe prior to storage/returning to warranty

22. Fit rubber insulator, and W-clip to lower suction pipe section.
23. Place new lower suction pipe section into position.
24. Lubricate new pipe to compressor O-ring with clean A/C oil.
25. Remove blanking plugs from compressor end of suction pipe, and compressor.
26. Connect suction pipe to compressor and tighten securing bolt. Bolt Torque 9 Nm
27. Secure W-clip to transmission oil cooler pipe.
28. Install left side down pipe catalyst to manifold and silencer using new gaskets (do not fully tighten).
29. Reinstall heat shield brackets, if equipped, and heat shields.

30. Check catalyst alignment and fully tighten flange bolts to 70 ± 10 Nm (52 ± 6 lb ft), torque bracket bolts to 45 ± 5 Nm (33 ± 4 lb ft).
31. Route oxygen sensor leads into engine bay, and use tie straps to secure wires to transmission oil cooler pipe.
32. Cut off excess from tie straps.
33. Connect oxygen sensor connectors and secure to bracket.
34. Reposition cooling system expansion tank, install and tighten securing nuts.
35. Place new upper suction pipe section into position.
36. Remove plugs from evaporator and evaporator end of suction hose.
37. Lubricate new pipe to evaporator O-ring with clean A/C oil.
38. Connect pipe to evaporator and tighten securing bolt. Bolt Torque 9 Nm.
39. Remove plugs from suction pipe.

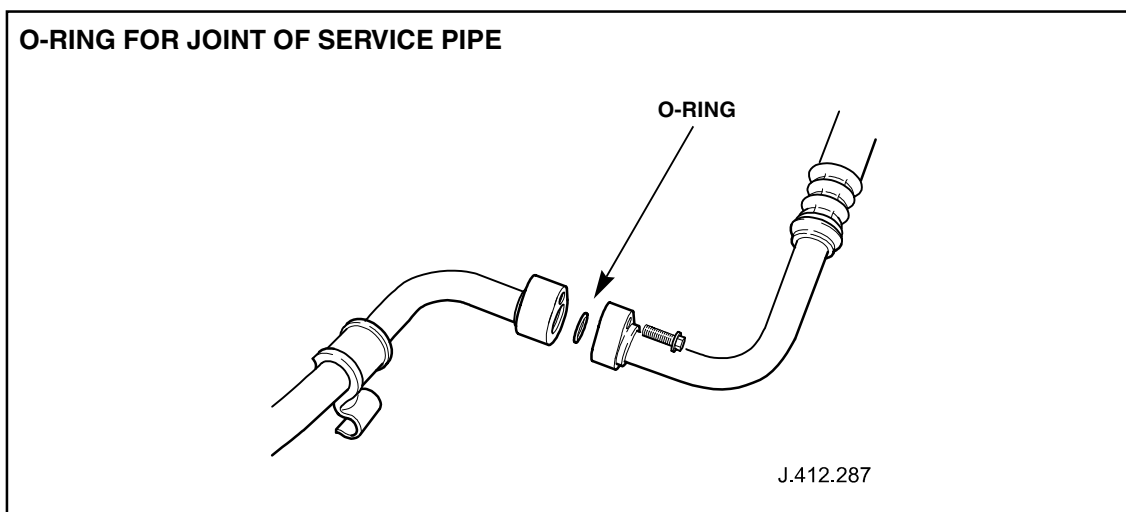


ILLUSTRATION 2

40. Mate suction pipe flanges using new O-ring lubricated with clean A/C oil, tighten suction hose to pipe securing bolt (Illustration 2). Bolt Torque 9 Nm.
41. Reinstall engine compartment rear cover.
42. Reinstall left and right hand bulkhead covers.
43. Connect battery and install battery cover.
44. Recharge A/C system (see JTIS CD ROM, section: 412-00).

⚠ Caution: It should be noted that all displaced oils and fluids should be disposed of locally, ensuring compliance with Local Authority legislation and Health and Safety guidelines.

Parts Information:

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Assembly hose – evaporator to compressor	MNC 7310BF	1
Assembly hose - evaporator to compressor	MJA 7312CB	1
Bolt	JFB 10606E	1
Gasket – down pipe to catalytic converter	NNC 6764AB	1

Warranty Information:

<u>FAULT CODE</u>	<u>R.O. NUMBER</u>	<u>DESCRIPTION</u>	<u>TIME ALLOWANCE</u>
JJ LB N1	82.91.25	Pipe replacement	1.3 hrs.
	82.30.30	Recycle/recharge refrigerant	0.4 hrs