

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b>  <b>01-007/17 - LACK OF POWER / INTAKE AIR LEAK NOISE FROM ENGINE COMPARTMENT</b>	<b>Bulletin No.:</b> 01-007/17
	<b>Last Issued:</b> 06/02/2017

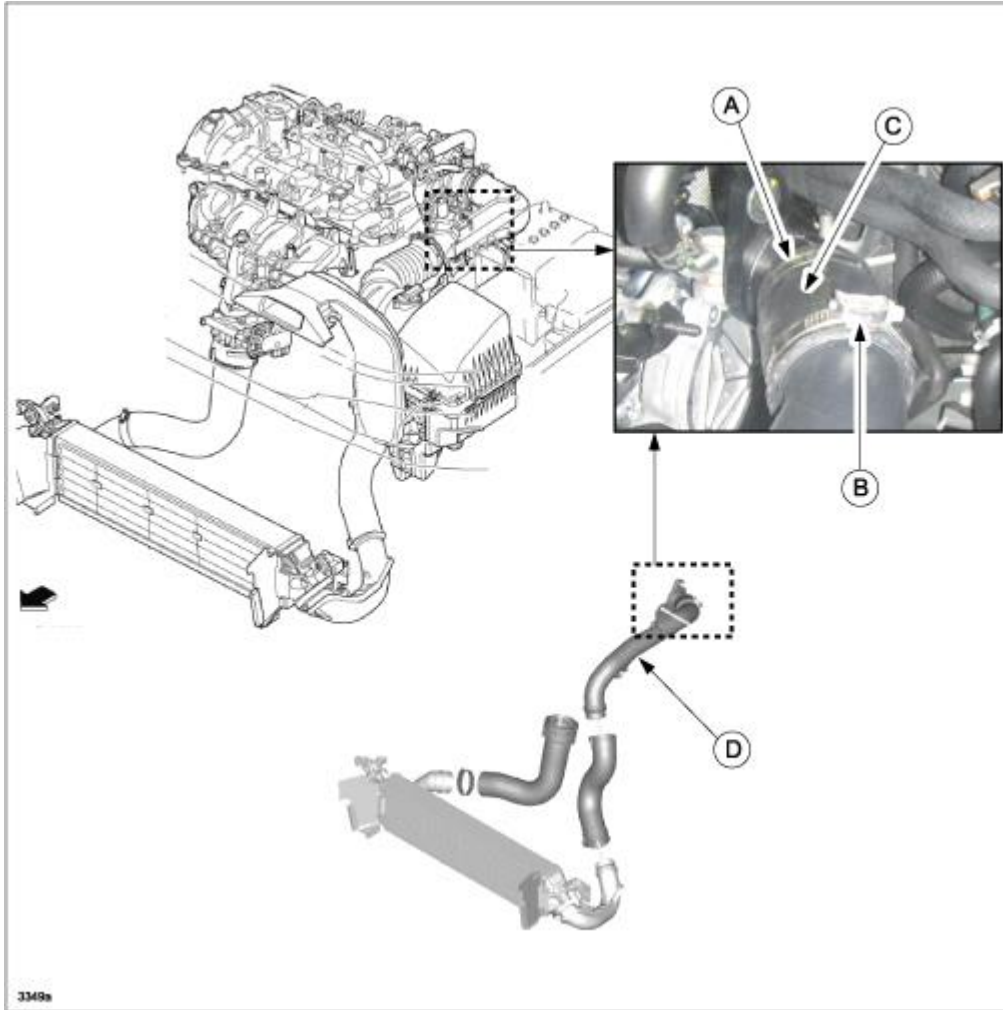
## DESCRIPTION

### APPLICABLE MODEL(S)/VINS

2016-2017 CX-9 vehicles with VINs lower than JM3TC\*\*\*\*\*134298 (produced before Dec. 23, 2016)

Some vehicles may exhibit a lack of engine power / intake air leak noise from the engine compartment. Hose clamps A and/or B for the air hose (C) for the turbocharger air outlet pipe (D) may be loose due to insufficient tightening.

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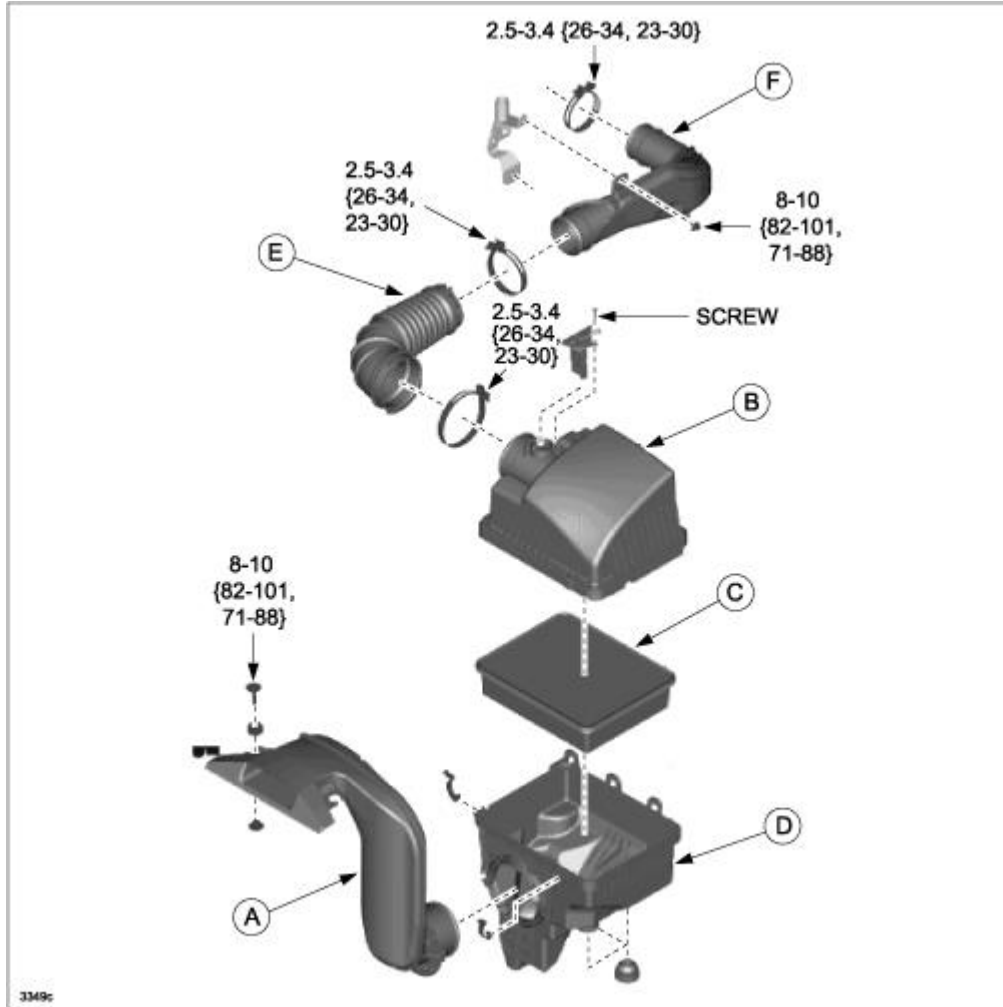
The tightening torque of the hose clamps has been increased to eliminate this concern.

Customers having this concern should have their vehicle repaired using the following repair procedure.

## REPAIR PROCEDURE

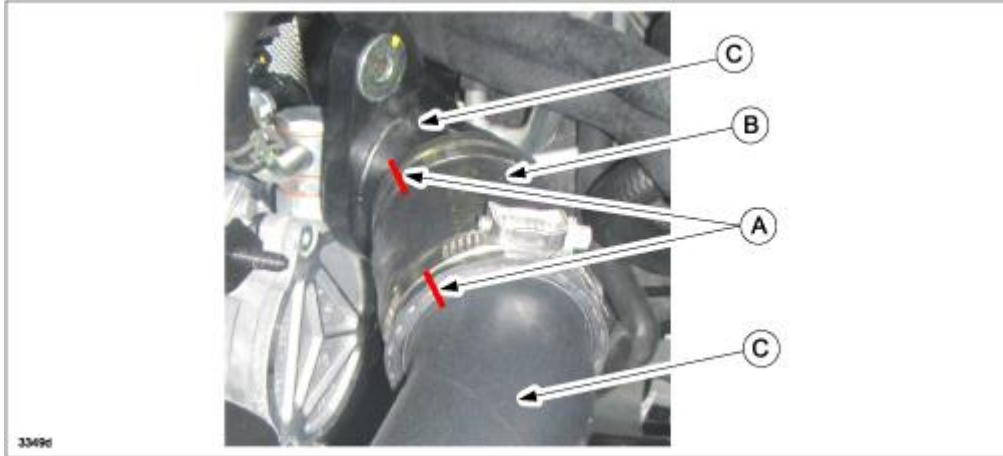
1. Verify the customer concern.
2. Remove the battery, battery box and battery tray according to the instructions on MGSS online (BATTERY REMOVAL/INSTALLATION).
3. Remove the fresh-air duct (A), air cleaner cover (B), element (C), case (D), air hose (E) and air inlet pipe (F) according to the instructions on MGSS online (INTAKE-AIR SYSTEM REMOVAL/INSTALLATION).

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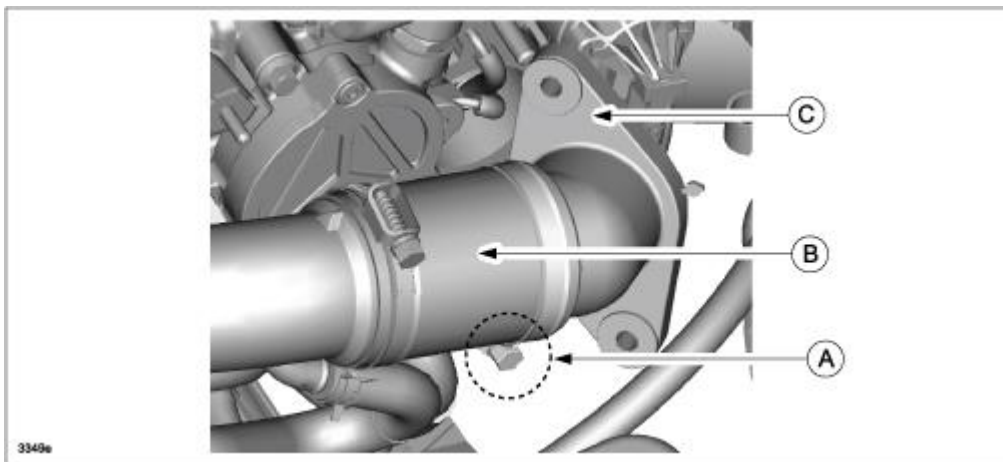
4. Place position marks (A) on the air hose (B) and the pipes (C) so they can be reinstalled to their original position.

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**RETIGHTEN HOSE CLAMP A:**

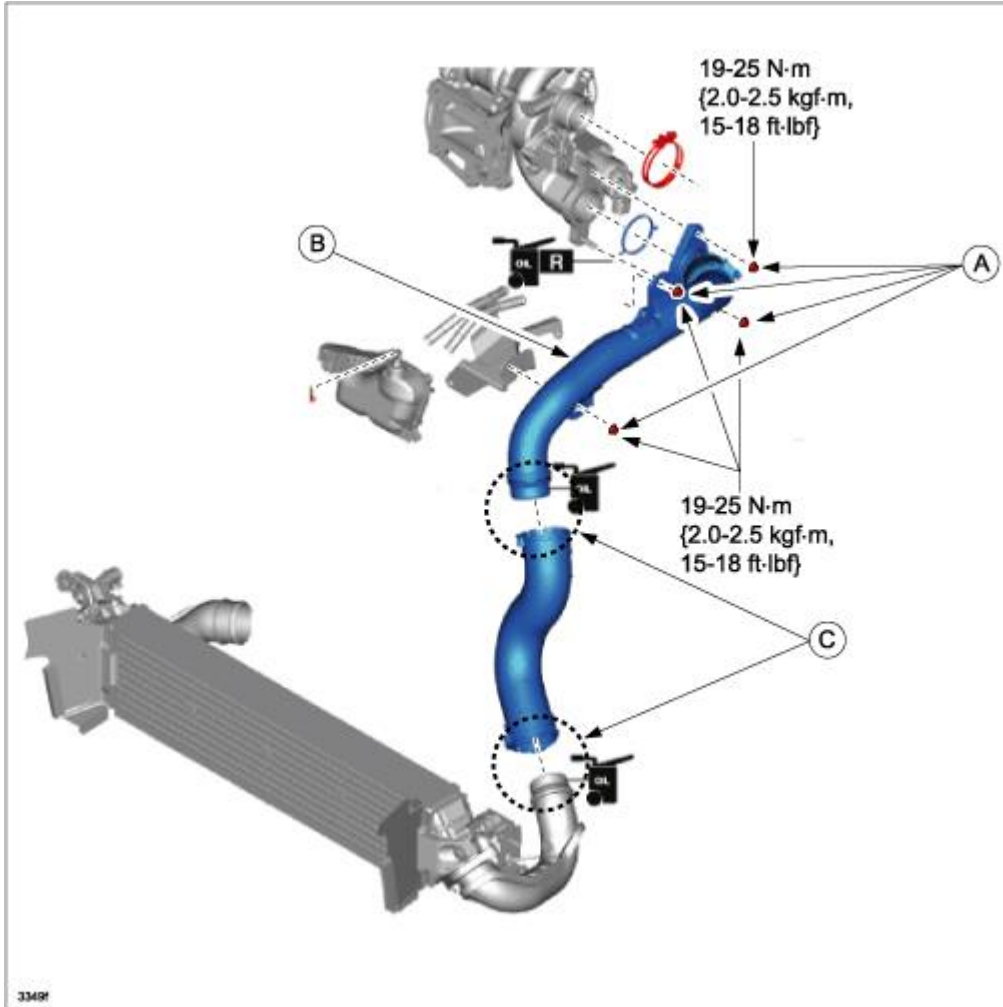
**NOTE:** If it is too difficult to access the underside hose clamp bolt (A), remove air hose (B) and flange pipe assembly (C) to access it.



1. Remove four (4) nuts (A) shown below to loosen the upper part of the turbocharger air outlet pipe (B).

**CAUTION: DO NOT disconnect the joints (C).**

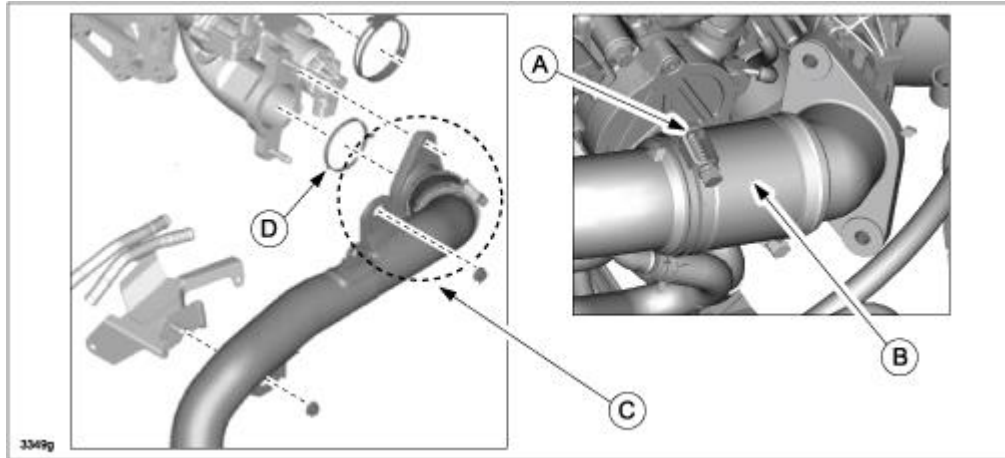
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2. Loosen clamp (A) and remove the air hose (B) and flange pipe assembly (C).
3. Remove the O-ring (D).

**NOTE:** The O-ring is not reusable and must be replaced with a new one.

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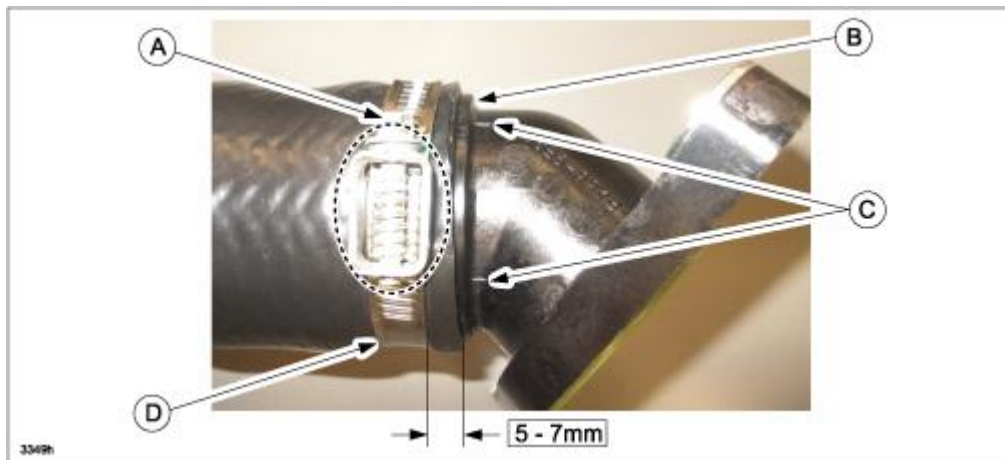


4. Install the air hose to the flange pipe and install clamp (A).

a) Install the air hose to the flange pipe, aligning the position marks (if the air hose was displaced from the original position).

**NOTE:** Insert the air hose until it contacts the stopper (B).

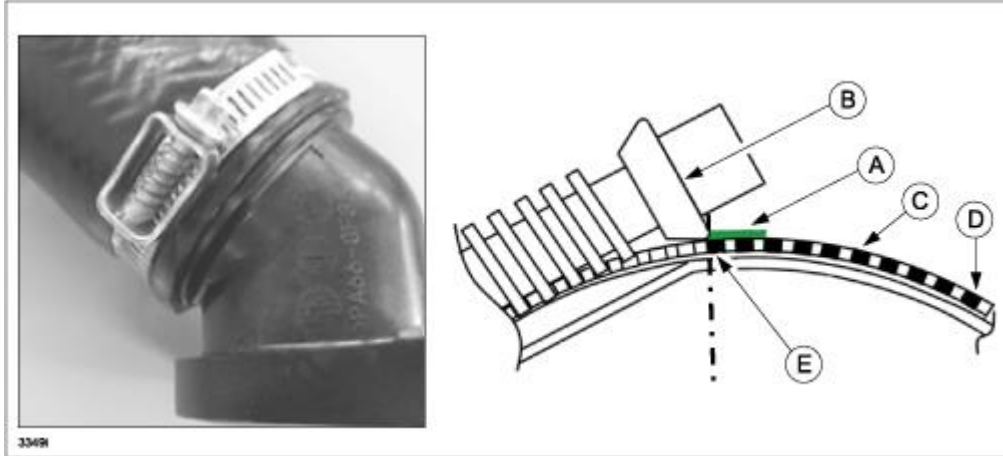
b) Place the hose clamp (A) so the bolt housing is positioned between two projections (C) on the pipe and the hose clamp edge (D) is 5 ~ 7mm away from the edge of the air hose.



5. Tighten the hose clamp until the 10th slot (E) (shown as the green mark below) (A) in the band aligns with the upper surface of the hose clamp bolt flange (B).

**For reference: 10th slot = (E), 5th slot = (C), 1st slot = (D)**

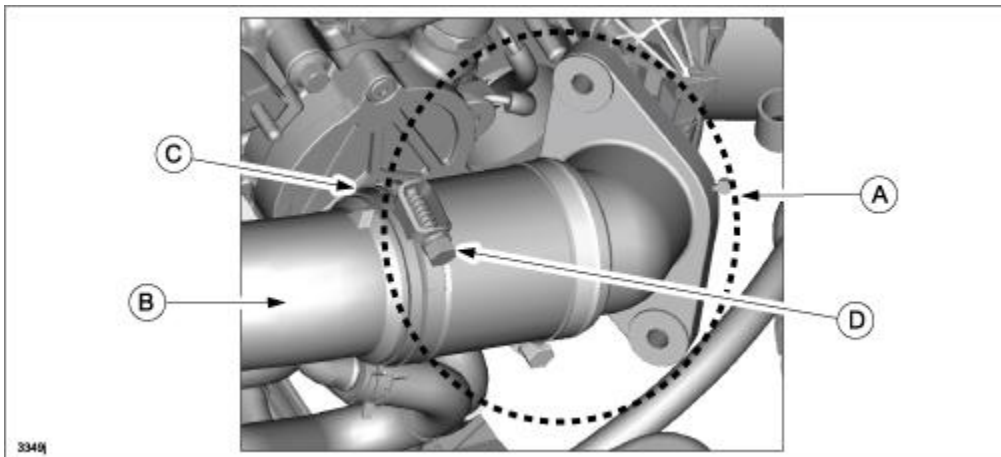
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**CAUTION:** Do not tighten the hose clamp beyond the green mark (A), otherwise, the hose clamp may break.

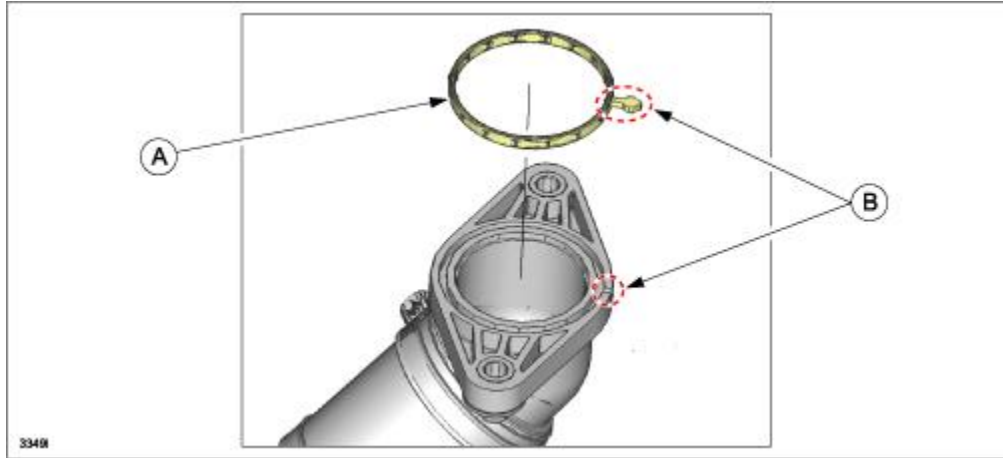
7. Install the air hose and flange pipe assembly (A) to the turbocharger air outlet pipe (B) aligning the position marks (C) made previously.

**NOTE:** Do not tighten Hose Clamp B (D) yet.

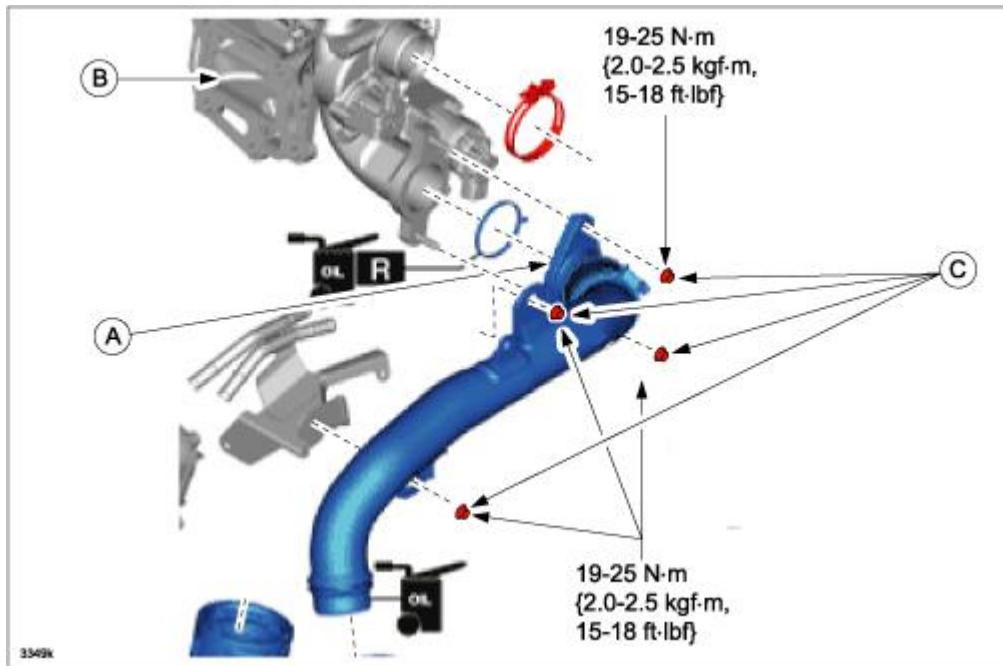


8. Apply engine oil around a new O-ring (A) and install it. Align the locators (B) as shown below.





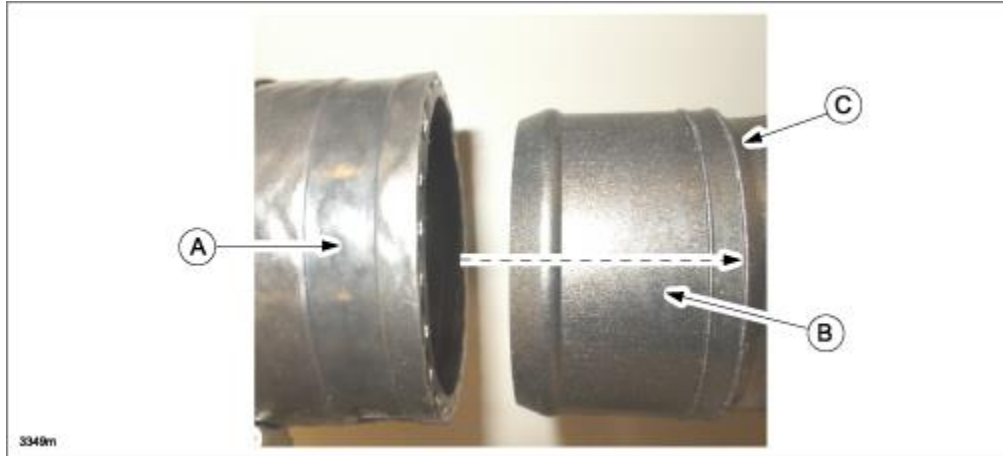
9. Install flange pipe (A) to the dynamic pressure turbo (B), then install the four (4) nuts (C) hand-tight.



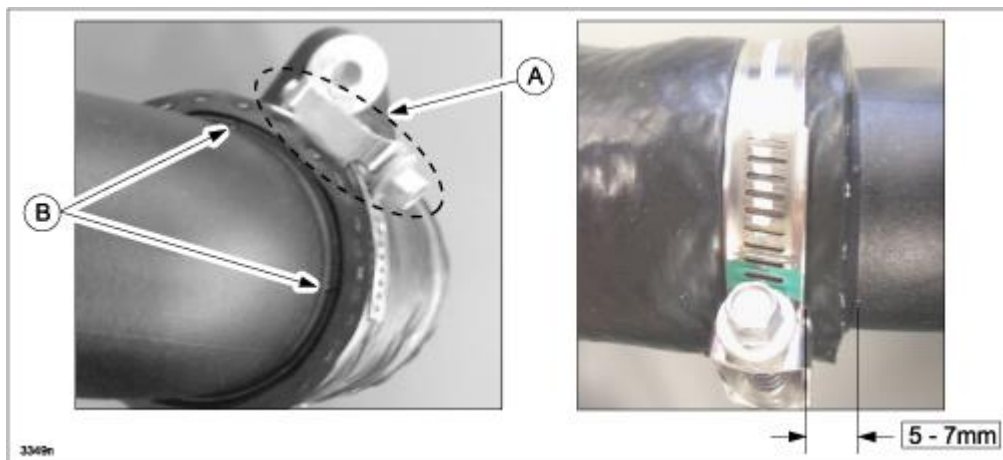
#### RETIGHTEN HOSE CLAMP B:

1. Fully insert the air hose (A) to the turbocharger outlet pipe (B) until the stopper (C) on the pipe.





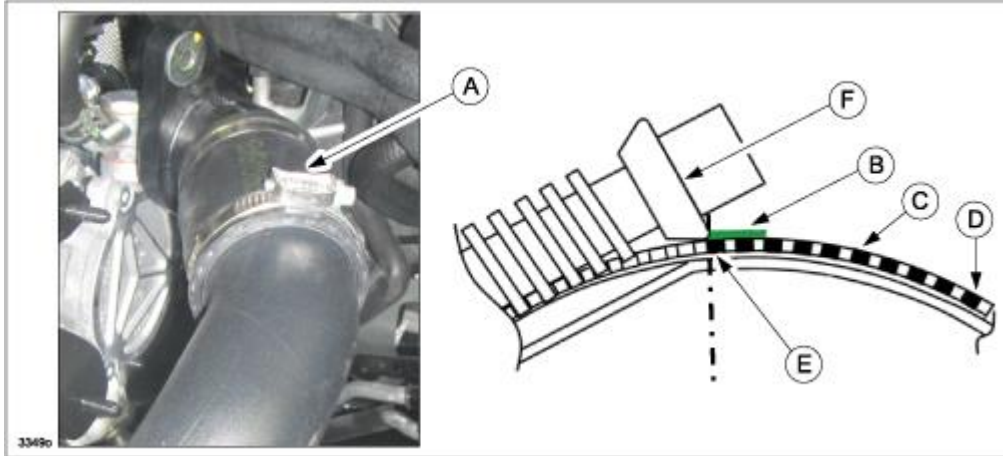
2. Place the hose clamp so the bolt housing (A) is positioned between two projections (B) on the pipe and the hose clamp edge is 5 ~ 7 mm away from the edge of the air hose.



3. Tighten the hose clamp (A) until the 10th slot (E) (shown as the green mark below) (A) in the band aligns with the upper surface of the hose clamp bolt flange (F).

**For reference: 10th slot = (E), 5th slot = (C), 1st slot =(D)**

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**CAUTION:** Do not tighten the hose clamp beyond the green mark (B), otherwise, the hose clamp may break.

4. Tighten the four (4) nuts to the specified torque.
5. Reinstall the other removed parts in the reverse order of removal.
6. Verify repair.

**PARTS INFORMATION**

Parts Number	Description	Qty.	Notes
PY8W-13-162	O-Ring	1	Replacement required

**WARRANTY INFORMATION**

**NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda’s New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	14
Damage Code	9G
Part Number Main Cause	PY8W-13-240C
Quantity	0

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Related Part Number	PY8W-13-162 (O-ring)
Quantity	1
Operation Number / Labor Hours:	XXN5ABTX / 0.4 Hrs.

**NOTE:**Enter PY8W-13-162 (O-ring) as a related part.

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