

Service Information

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Category D	Repair Guidance	Ref. No. R092/13	Page 1 of 11
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued November 12, 2013	
Please convey this information to your <input type="checkbox"/> Director <input checked="" type="checkbox"/> General Manager <input checked="" type="checkbox"/> Warranty Dept. <input checked="" type="checkbox"/> Parts Dept. <input checked="" type="checkbox"/> Training Dept. <input checked="" type="checkbox"/> Field Rep.		Date Revised	
Applicable Model CX-5 (KE) with SKYACTIV - D 2.2	Applicable Countries or Specifications Europe (Except for Russia)		

Subject: Check Engine Light illuminates with DTC P06DD:00

DESCRIPTION

When engine is started for the first time after parking overnight in cold condition (below zero degrees Celsius), some vehicles may exhibit the check engine light illuminating, and DTC P06DD: 00 is stored in memory.

P06DD: 00(PCM): Engine oil pressure switch control circuit high input

CAUSE

The moisture created inside the engine operated under sub-zero condition during long period is mixed with engine oil and becomes frozen inside the Pressure Regulation Valve (PRV). In this condition, the pressure inside the engine is increased and the DTC P06DD:00 is stored in PCM.

MASS PRODUCTION CHANGE

The shape of cylinder head cover has been changed.

BEGINNING VIN & DATE OF MODIFICATION

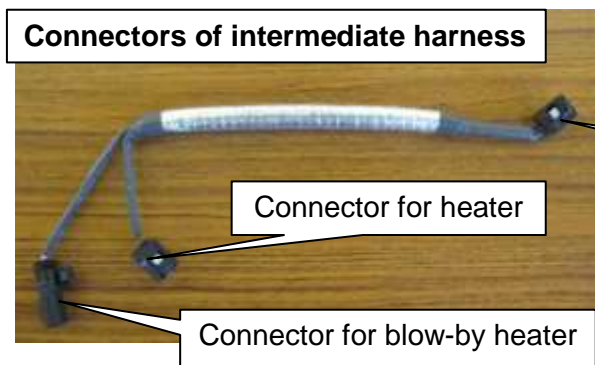
JMZ KE ** **** 255296 October 18, 2013

REPAIR PROCEDURE

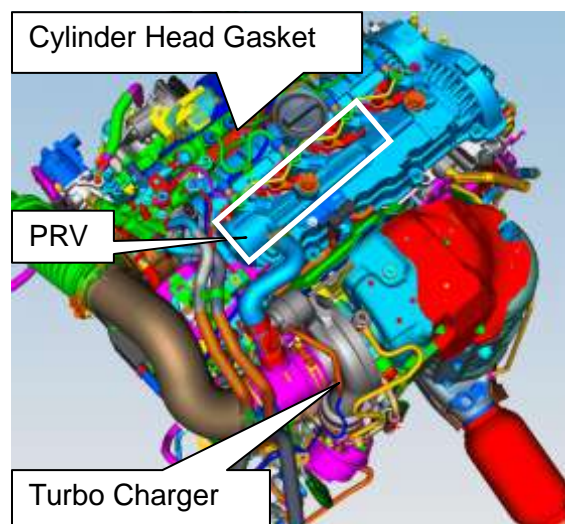
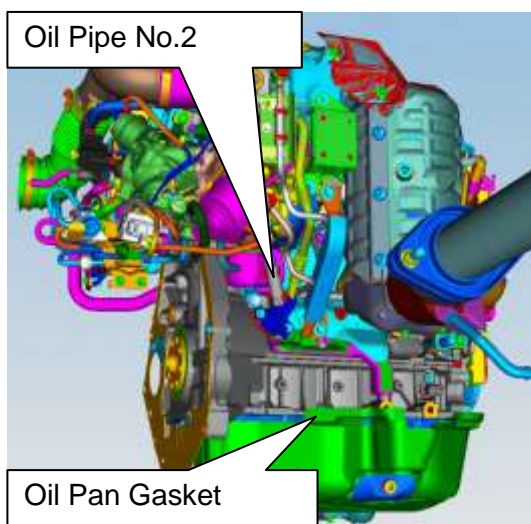
When you encounter a customer complaint on this concern, repair it as per the following procedure.

The following parts are included in kit

No.	Parts Name	Q'ty
(1)	Heater wire	1
(2)	Band	3
(3)	Band(Long)	1
(4)	Intermediate Harness	1
(5)	Aluminum Tape(Small)	1
(6)	Aluminum Tape(Large)	1



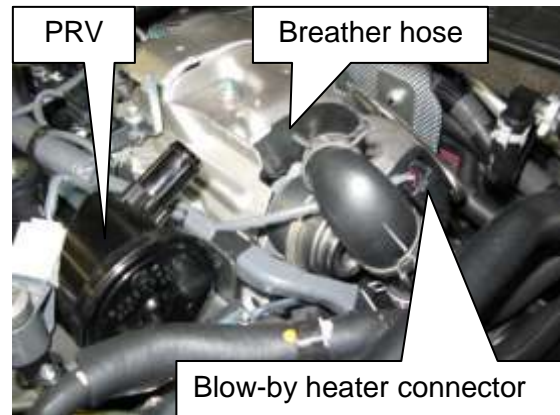
1. Verify the oil seepage from the following parts. If there is oil seepage, repair it referring to workshop manual. Go to next step
(1) Oil pipe No. 2 (2) Oil pan gasket. (3) Cylinder head gasket (4) PRV (5) Turbo charger



2. Install the heater kit according to "Installation of heater kit".

Installation of heater kit:

1. Disconnect the negative battery cable.(Refer to workshop manual)
2. Remove the engine cover and insulator.
3. Disconnect the connector of blow-by heater.
4. Disconnect the breather hose from PRV.



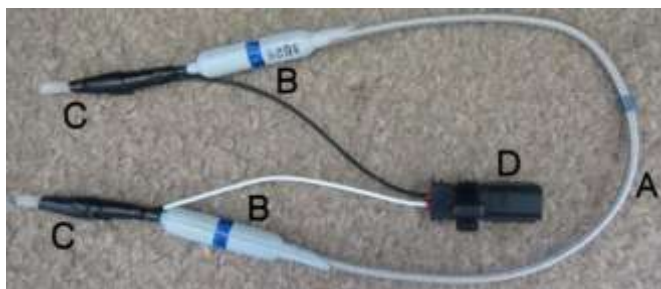
5. Degrease the surface of the PRV using a new clean cloth with parts cleaner.

- * After washing hands, perform the next step.
- * Especially degrease the red area to attach aluminum tape.



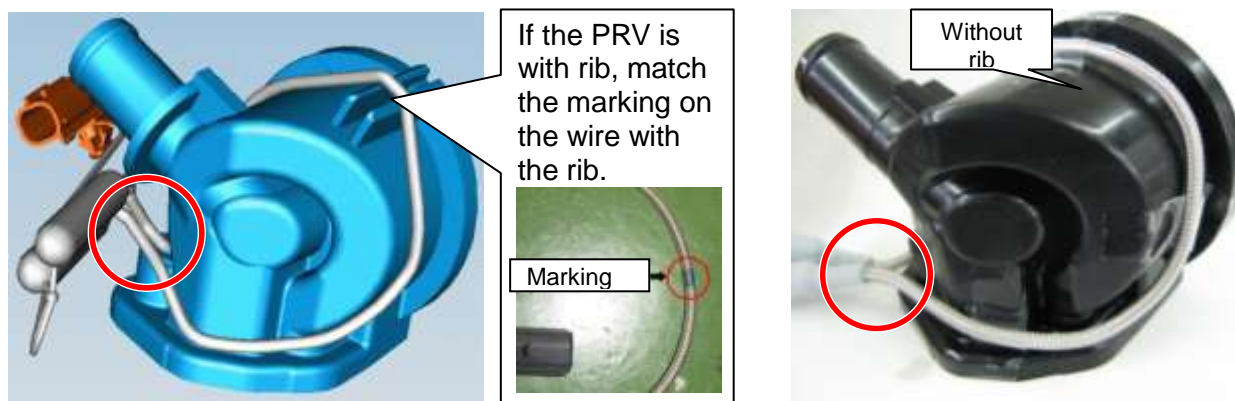
6. Install the heater wire.

A	Heater
B	Heater connection
C	Butyl and Tape
D	Connector

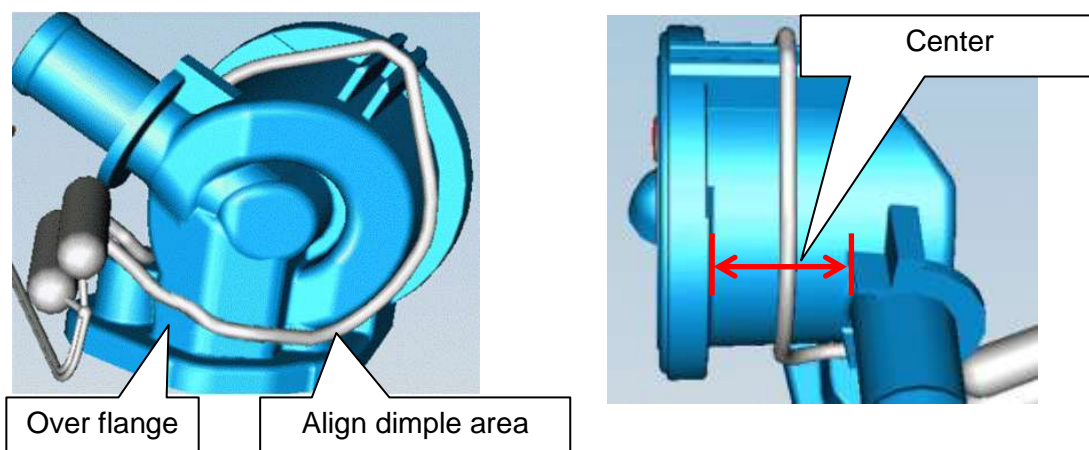


* The procedure will be different depending on the shape of PRV.

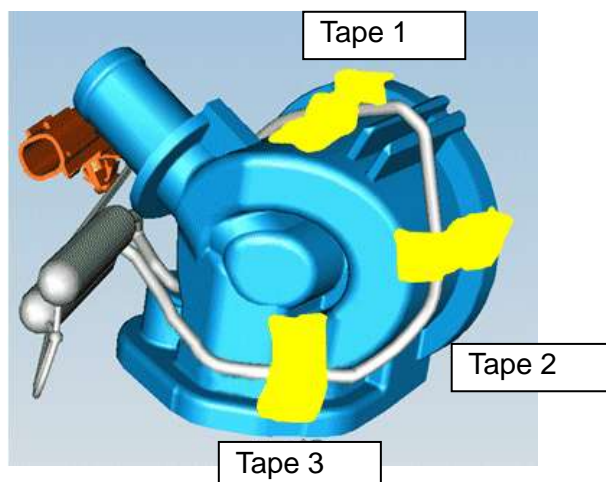
(1) Install the heater wire with the connector area being located under the vent hose pipe. (red circle in below picture)



(2) Route the heater wire as per below picture.



(3) Temporarily fix the heater at 3 places by tape.



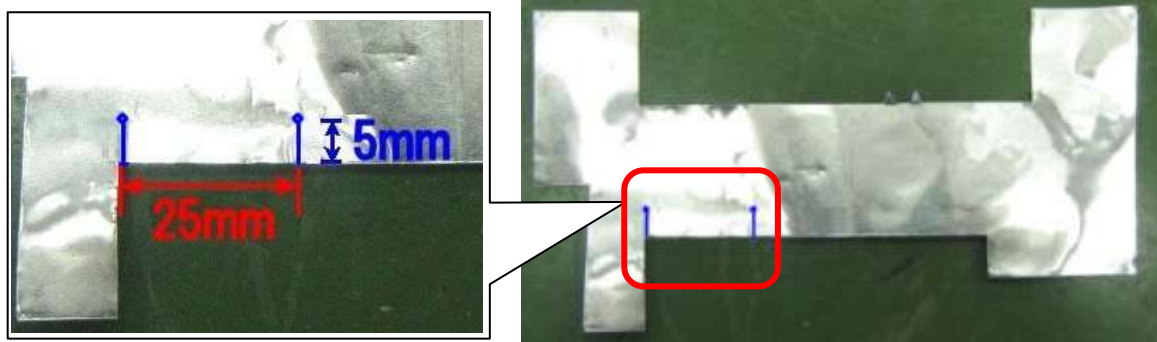
(4) Adhere the aluminum tape (large)

- * When removing the aluminum tape once, the adhesive force will be reduced, so please adhere it carefully.
- * If the adhered aluminum tape is broken, cut the spare aluminum tape to suitable size and adhere it on the broken place.

Note: The aluminum tape is heated by heater, warming up the taping area.

< Aluminum tape (large) adhering procedure >

Cut in the aluminum tape (large) at 2 places for 5 mm in a distance of 25 mm as per following pictures.



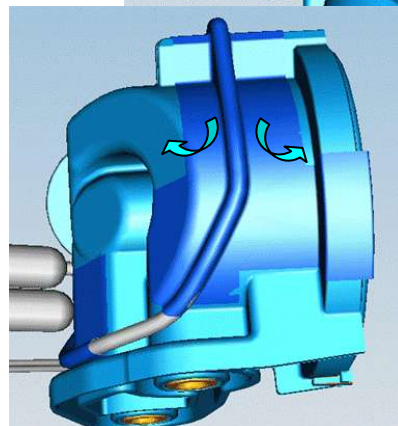
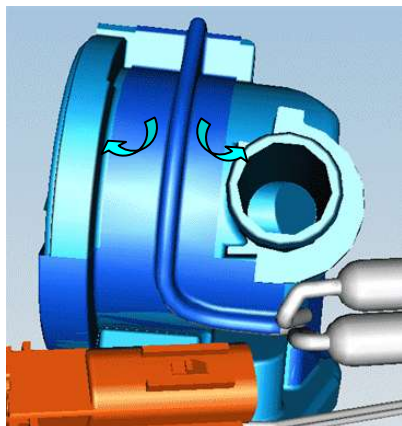
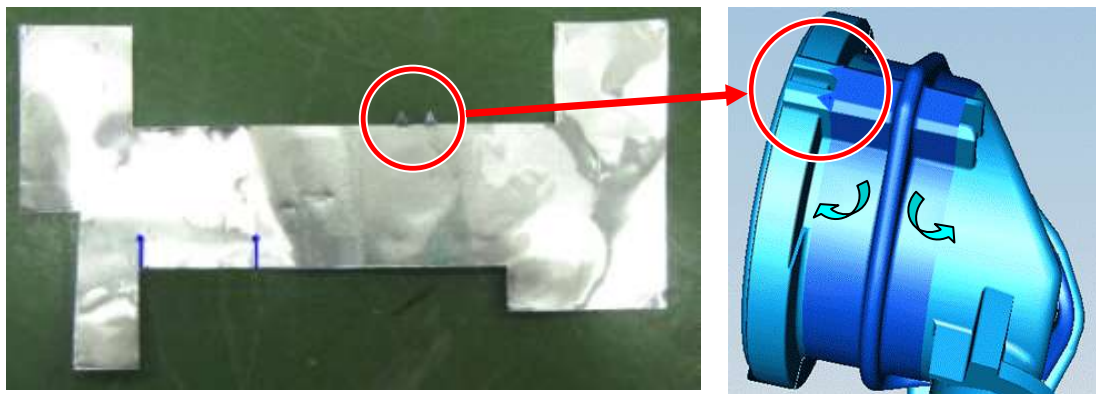
How to adhere the aluminum tape (large) to the PRV without rib

- * Remove the protective sheet on the cutting area of aluminum tape.
- * Set the cutting area of aluminum tape to the pipe area of PRV as below picture (red circle).
- * Adhere the aluminum tape from center to outside.
- * Remove the remaining protective sheet.
- * Remove the temporary tape (1) & (2), and adhere the aluminum tape from center to outside little by little.



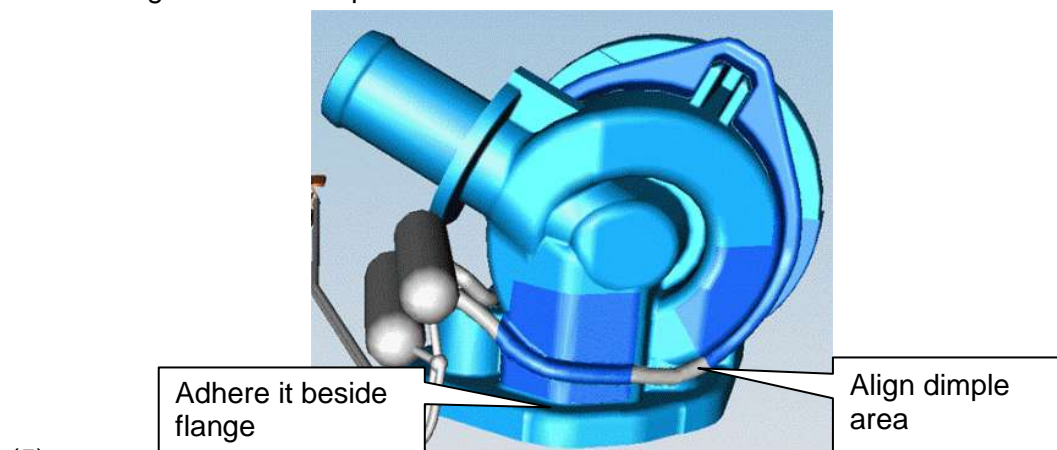
How to adhere the aluminum tape (large) to the PRV with rib

- * Remove the protective sheet from the area with 2 projections (refer to red circle in below picture).
- * Align the 2 projections of the aluminum tape with the rib of PRV, and adhere it.
- * Remove the temporary tape (1) & (2), and adhere the aluminum tape from center to outside little by little.
- * Remove the remaining protective sheet.
- * Adhere the aluminum tape from center to outside little by little.



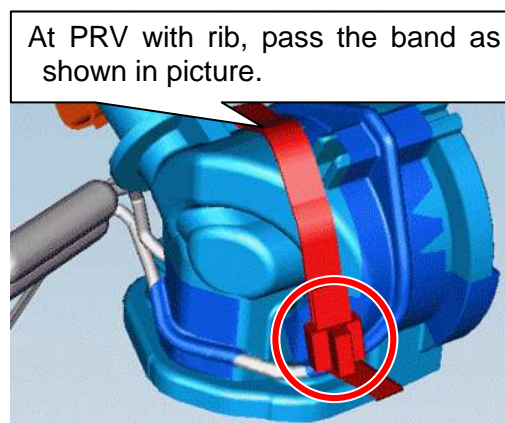
How to adhere the aluminum tape (small) to the PRV

* Remove the temporary tape (3), and adhere the aluminum tape with the heater following the round shape on the PRV lower area.



(5) Remove the wrinkles by finger or any bar to increase the adhesiveness

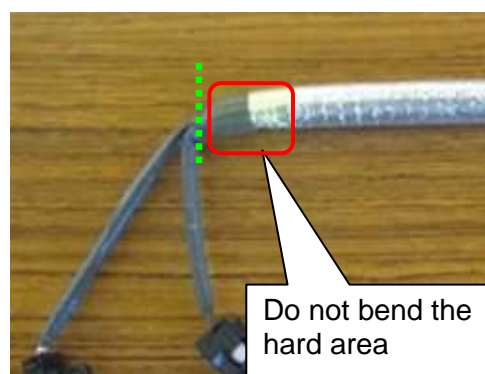
7. Tighten the heater by band (long) as per following pictures with the band connector (red circle) facing forward.



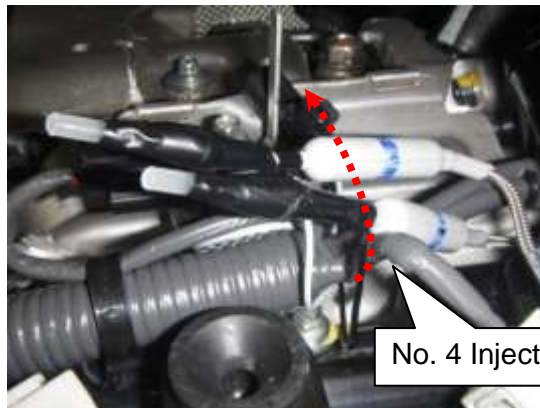
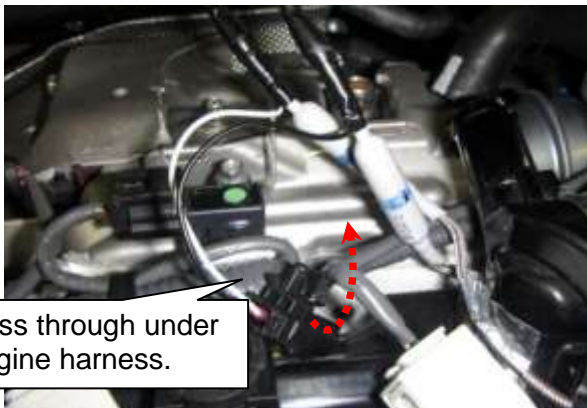
8. Cut the excess band.

9. Bend the wires of the intermediate harness as shown in the picture.

* **Do not bend the hard area which is water proof plastic. If it is bent, the water may enter inside. So please bend it at soft area.**



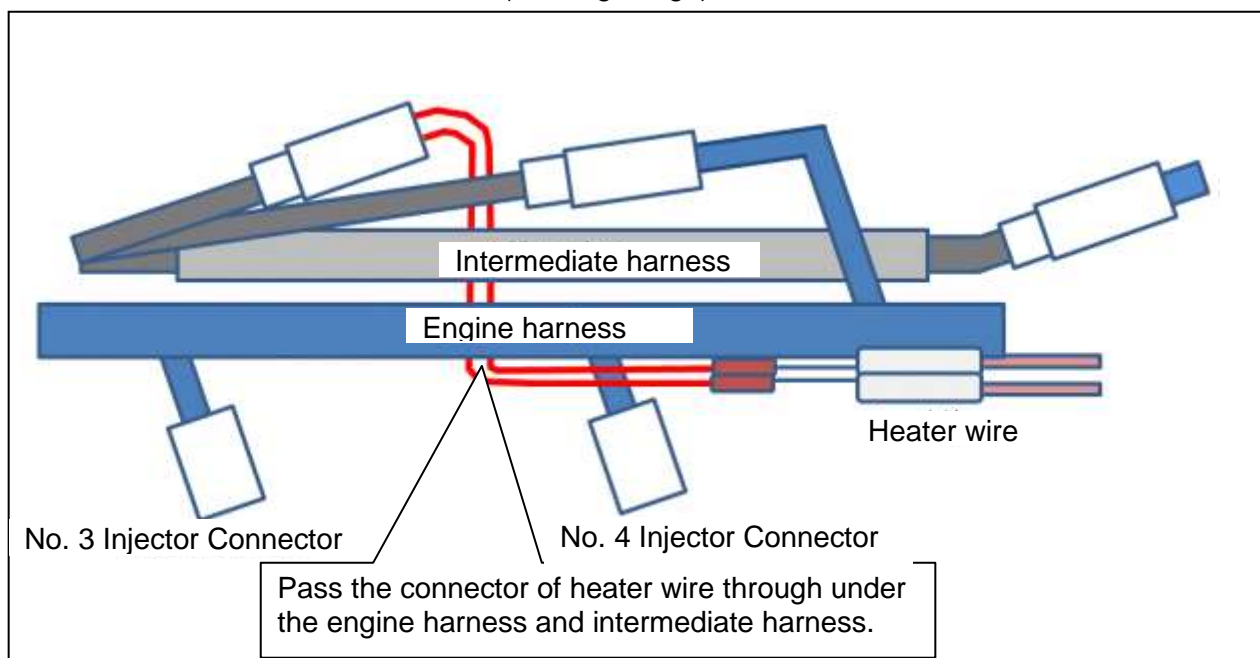
10. Pass the heater wire connector through under engine harness.



11. Connect the connector of intermediate harness to heater wire connector and blow by heater connector.

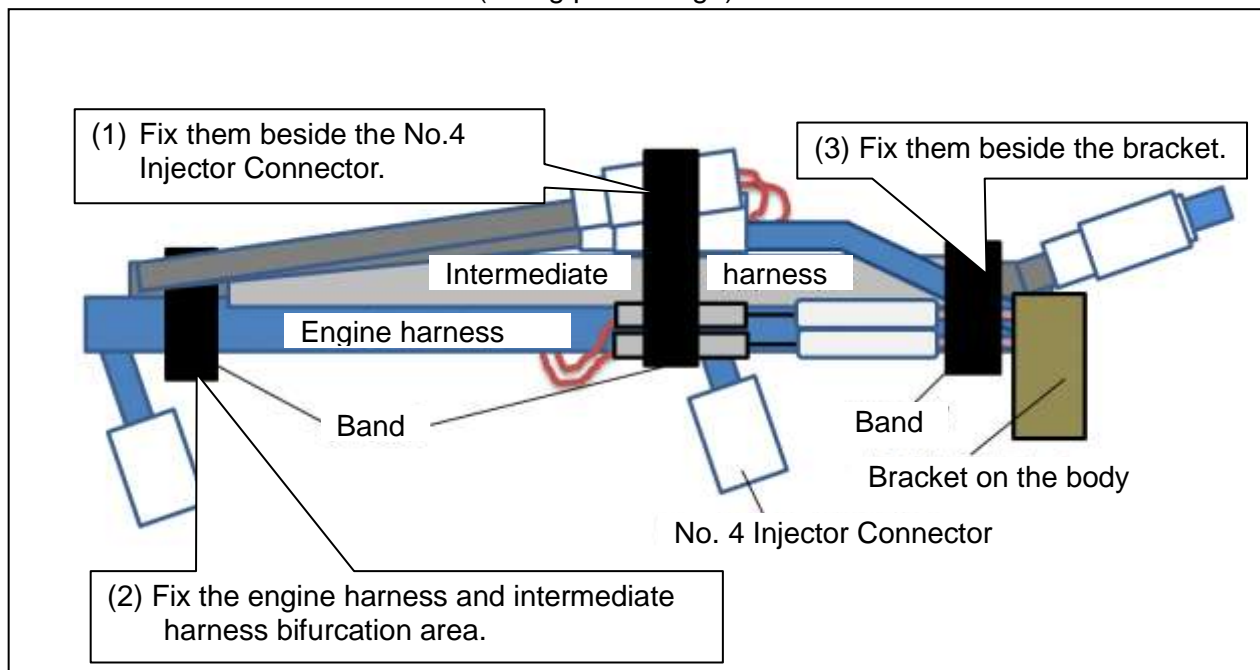


(Routing image)



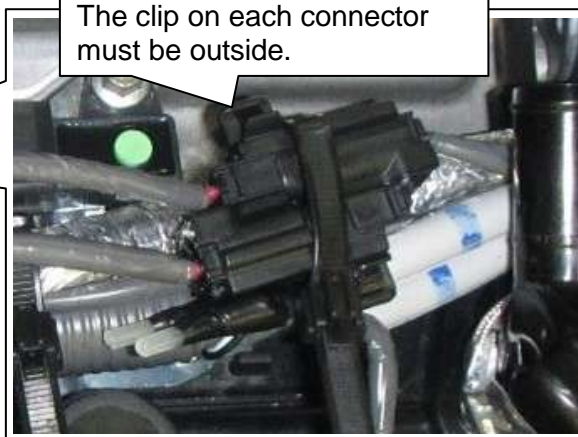
12. Fix the intermediate harness and engine harness by band in numbered order.

(Fixing point image)

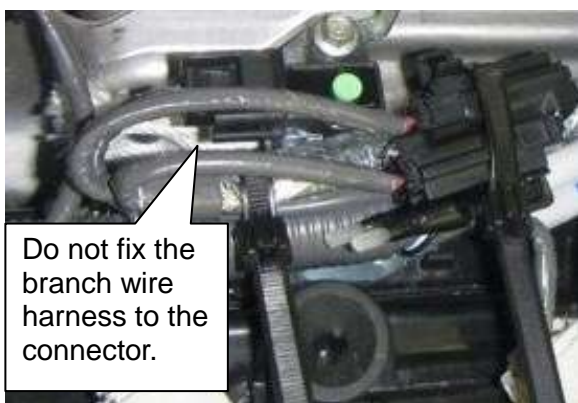


(Fixing condition)

(1)

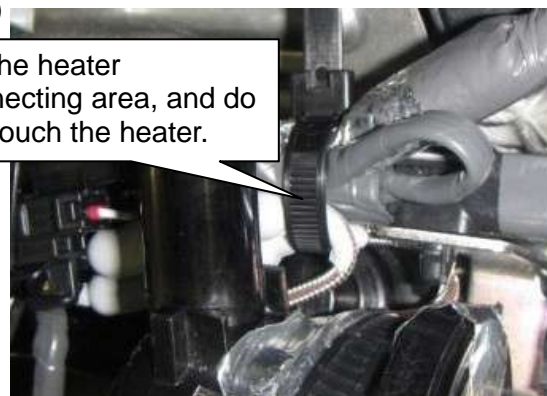


(2)



(3)

Fix the heater connecting area, and do not touch the heater.



13. Cut the excess band.

14. Install the breather hose and confirm that there is no interference between each part.

* **Confirm there is no interference between connector of intermediate harness and breather hose.**

* **Be sure that there is no interference between hose clamp and each wire.**



15. Install the insulator and engine cover.



16. Connect the negative battery cable (Refer to workshop manual).

PART INFORMATION

Part Number	Part Name	Q'ty
SHY1 10 YG0	Heater Kit	1

WARRANTY INFORMATION

Assembly group	D – Lubrication system
Subassembly group	03 - OIL PIPE & HOSE
Symptom Code	6X
Damage Code	93
Causal Part No.	SHY1 10 YG0
Q'ty	1
Operation No.	XXJE1XRX
Labor Hours	0.5 H
Period Covered	Normal Warranty Period

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