



Part # W8006311- Instruction: Auxiliary Fan to A/C Condenser Kit Install

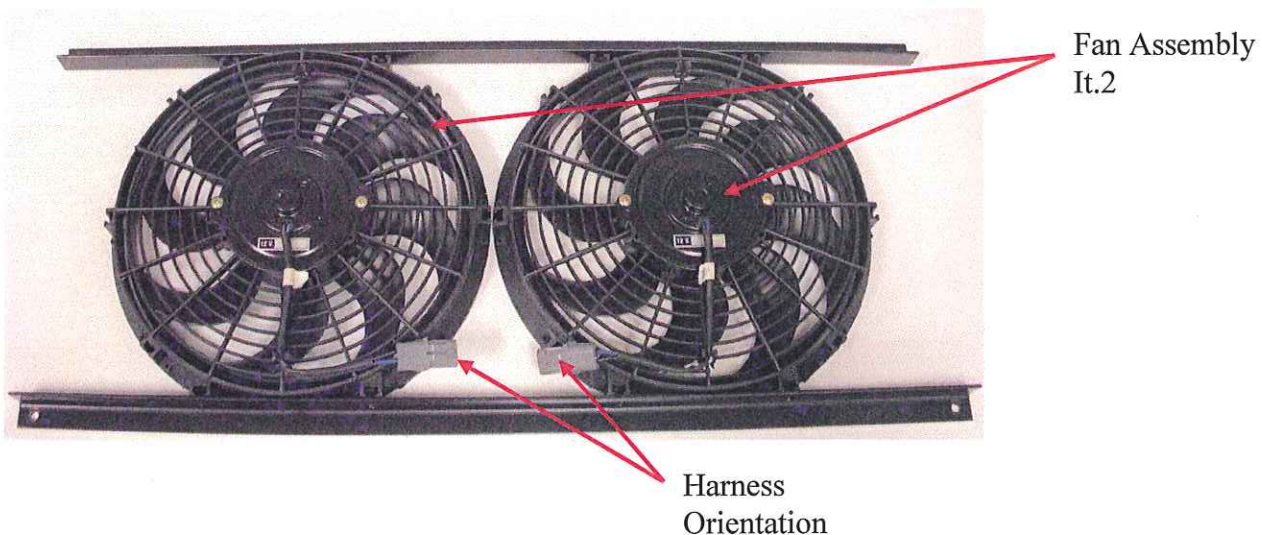
Revision Level /Date: 001 May 13, 2009

Page 1 of 8

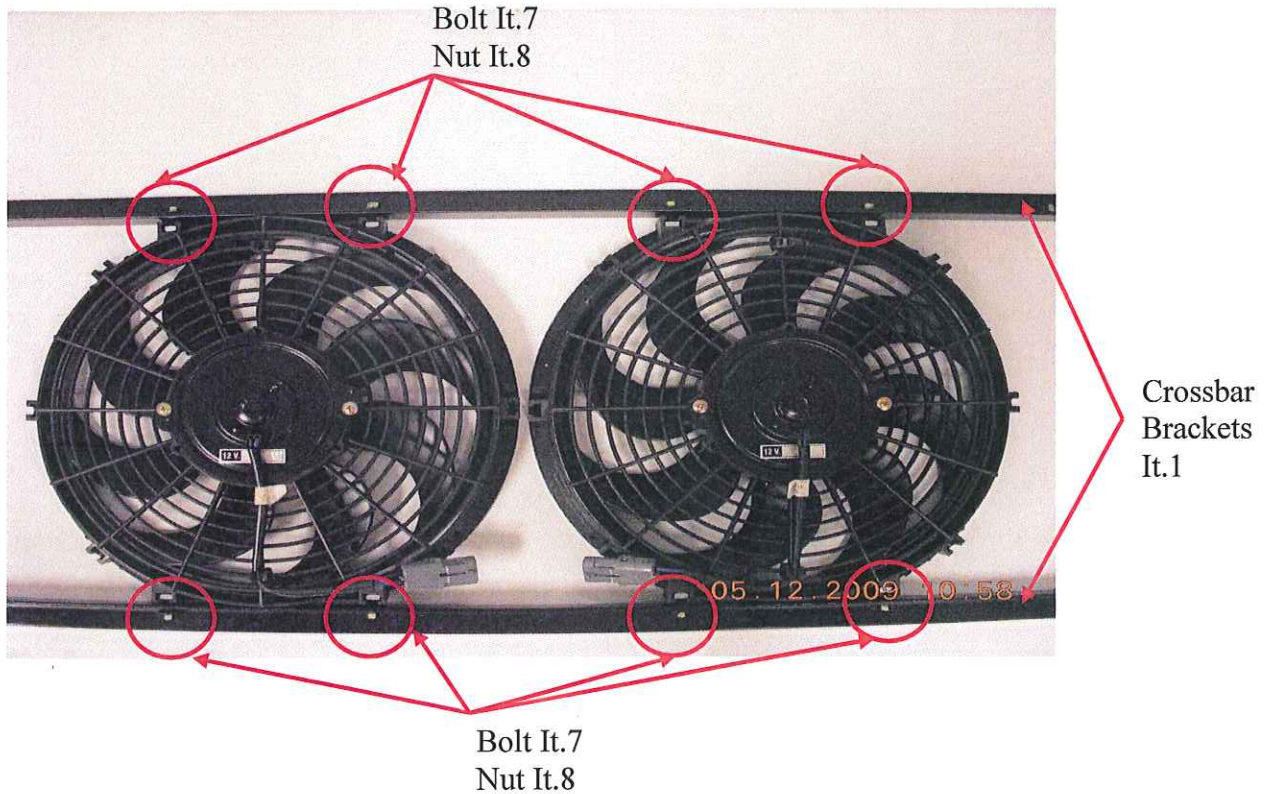
1. Lay out the parts of the Kit, Part# W8006307, to ensure that the following are present:

Item#	PART NO	DESCRIPTION	QTY
1	W8006303	BRACKET - AUXILLARY FAN, CROSS BAR	2
2	W0012169	FAN ASM - ELECTRIC AUXILLARY	2
3	W8006302	BRACKET - AUXILLARY FAN, LEFT	1
4	W8006304	BRACKET - AUXILLARY FAN, RIGHT	1
5	30192R1	BOLT-HEX FLG, M6X1X16	4
6	W9000501	NUT - HEX FLANGE, M6x1	4
7	30191R1	BOLT-HEX FLG, M6X1X12	8
8	W9001072	NUT - SQUARE FLANGE, M6X1	8
9	W8000074	Y- HARNESS - DUAL FANS	1
10	W8006289	JUMPER HARNESS - AUX FAN	1
11	11508797	BOLT/ SCREW-WIPER CONT & PRNDL DISPLAY	1
12	W9000975	NUT - ENG WRG HARN FUSE BLK	1
13	11509087	STRAP-ADJ TIE, 290X5.33	6

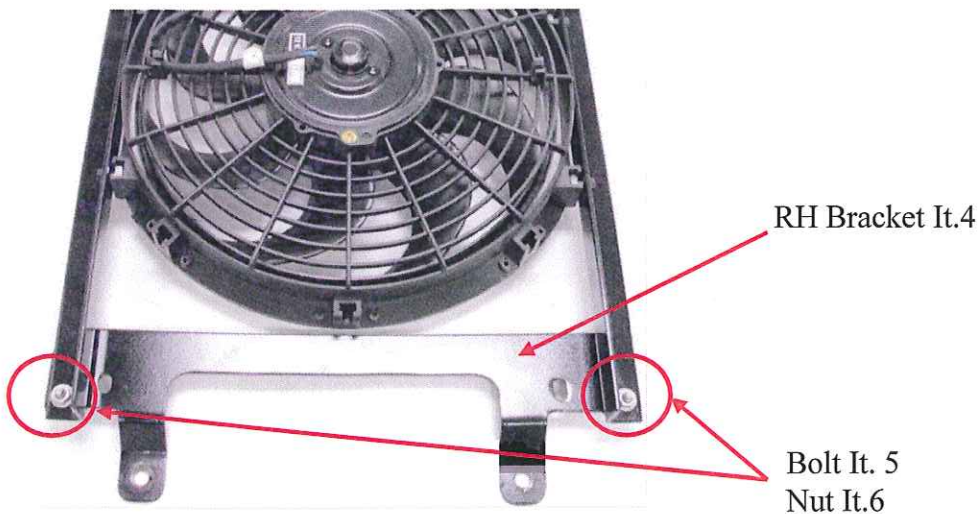
2. Place the 2 off Fans, It. 2 side by side on a flat assembly surface. Orientate the fans so that the harnesses face the same direction.



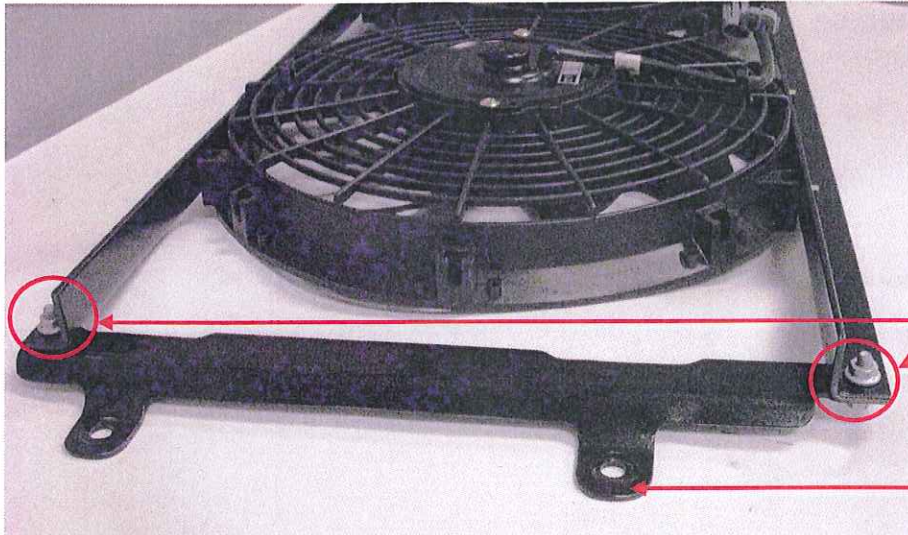
3. Locate 1 off Crossbar Bracket, It.1 to the top and the bottom of the Fans as shown. Ensure that the Fan Mounting Holes face the fans and are lined up for assembly.



4. Loose assemble the Crossbar Brackets to the fans, using 8 off Bolts, It.7 and Flange Nuts, It. 8.



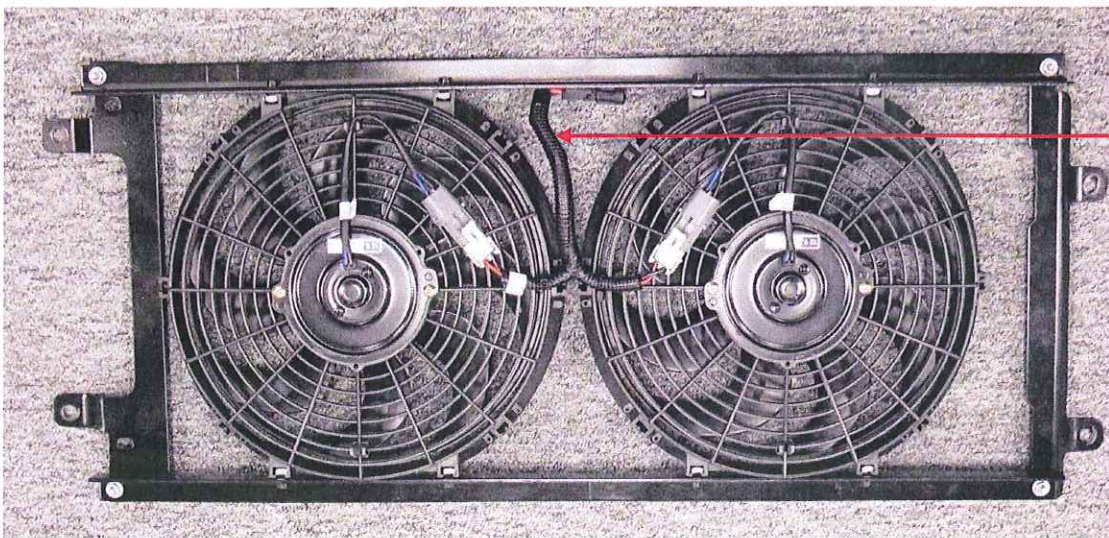
5. Locate the RH Bracket, It.4 to the assembly as shown. Loose assemble the bracket to the assembly, using 2 off Bolts, It. 5 And Nuts, It .6.



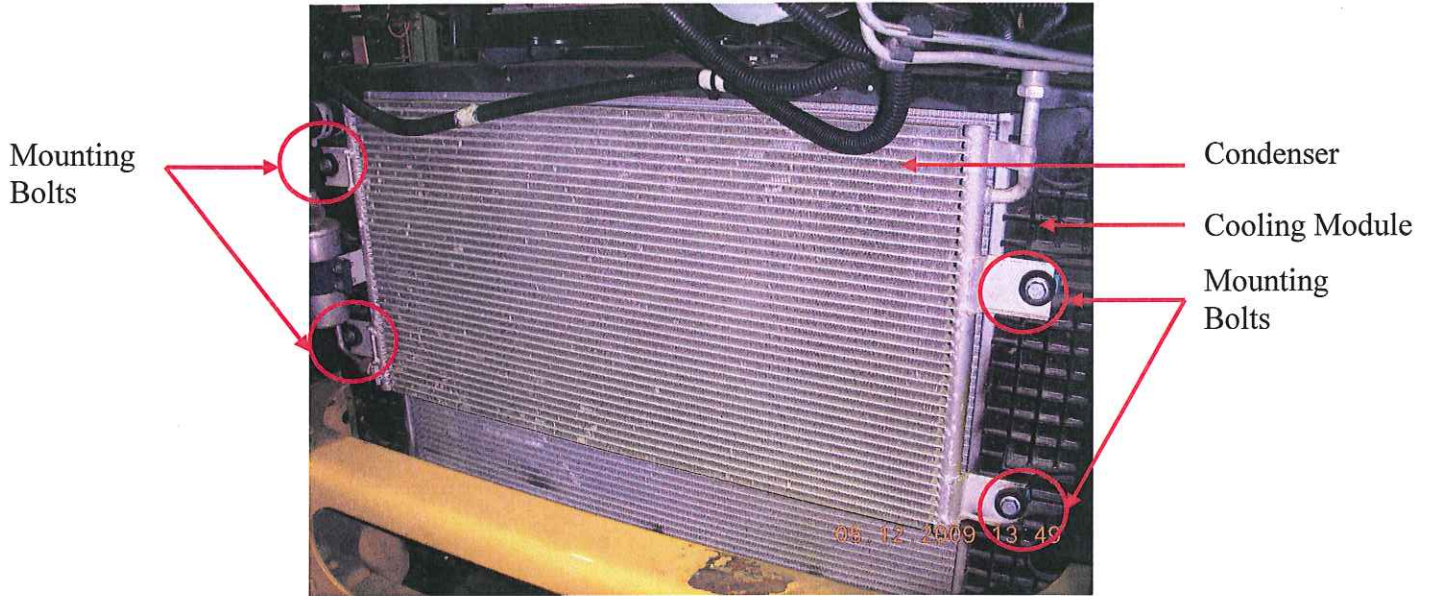
Bolt It. 5
Nut It. 6

LH Bracket It. 3

6. Locate the LH Bracket, It.3 to the assembly as shown. Loose assemble the bracket to the assembly, using 2 off Bolts, It. 5 And Nuts, It .6.
7. Secure the 8 off Fan Attaching Bolts, It. 7, and torque to 12 ± 1 Nm.
8. Secure the 4 off Bracket Assembly Bolts and Nuts, It. 5, It. 6, and torque to 15 ± 3 Nm.
9. Push-fit the Y-Harness, It. 9, to the 2 off fan connectors



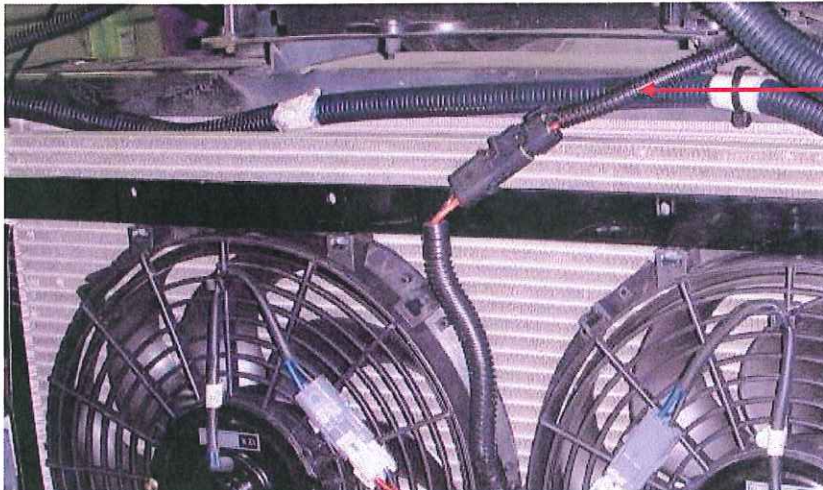
Y-Harness
It.9



10. Loosen and Remove the 4 off Bolts that attach the Condenser to the Cooling Module.

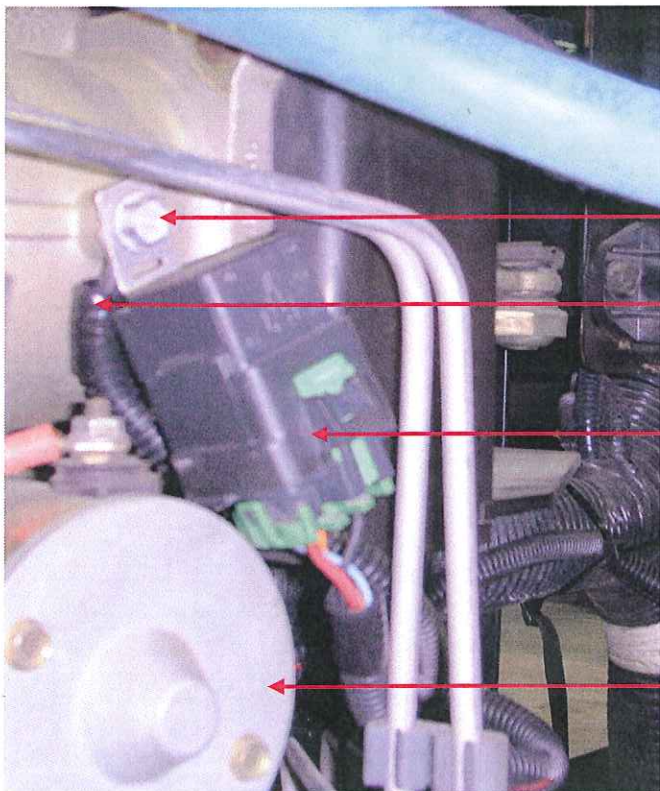


11. Locate the Auxiliary Fan Kit Assembly to the Condenser. Assemble with 4 off Bolts, removed in previous step. Torque Bolts to 29 ± 3 Nm.



Jumper
Harness
It. 10

12. Push-fit the Jumper Harness, It. 10, to the Y-harness connector.



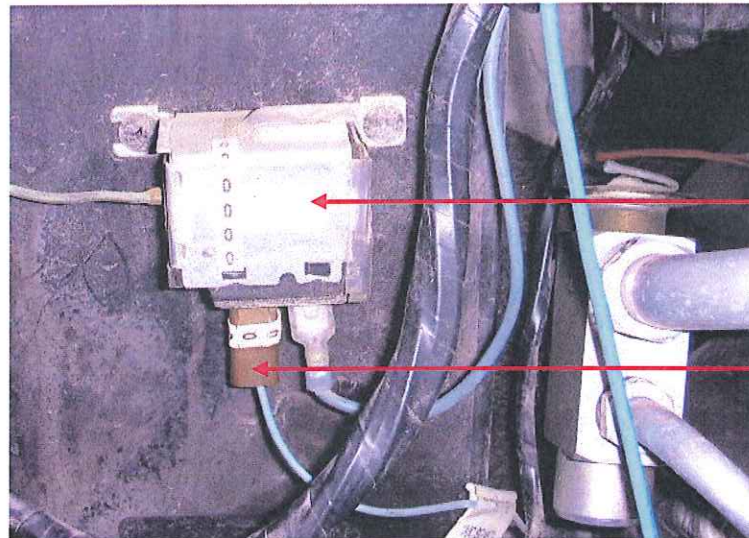
Screw It. 11

Jumper Harness Ring Terminal (not shown)

Relay (part of Jumper Harness It. 10)

Hydro Boost Brake Unit

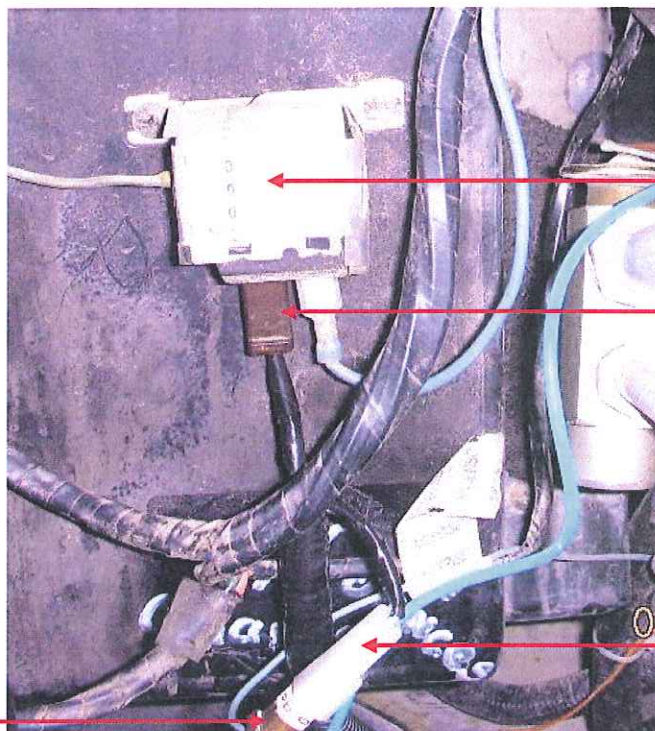
13. Locate the Jumper Harness Ring Terminal and the Relay (part of the Jumper Harness) to the Hydro Boost Brake Unit. Secure with 1 off Bolt, It. 11 – torque to 8 ± 1 Nm.



Thermal Expansion Switch

A/C Sense Wire

14. Unplug the A/C Sense Wire from the Thermal Expansion Switch (located against the LH side of the File Wall



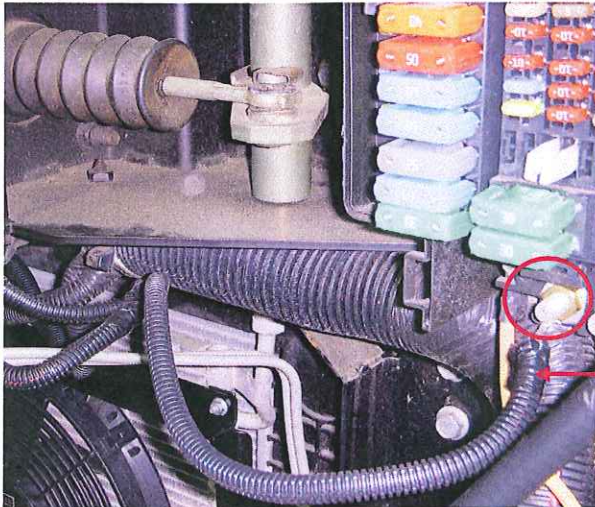
Thermal Expansion Switch

Jumper Harness Connector **Ref B**

A/C Sense Wire

Jumper Harness Connector – **Ref A**

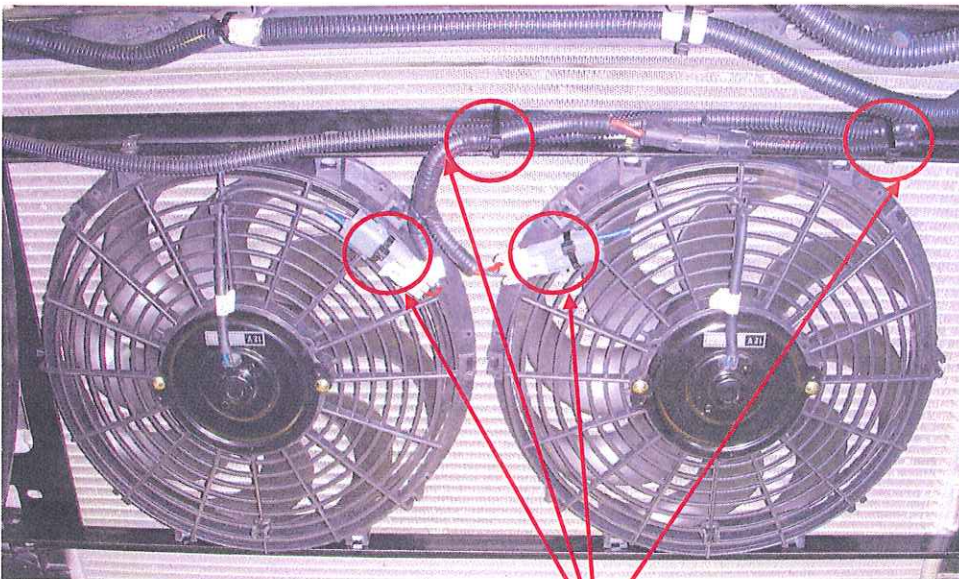
15. Plug the Jumper Harness Connector – **Ref A** into the A/C Sense Wire that was just removed. Plug the remaining connector – **Ref B** - on the Jumper Harness into the Thermal Expansion Switch. .



A or B Stud
Nut It. 12

Jumper Harness (Ring Terminal not shown)

16. Locate the Jumper Harness Ring Terminal to the A or B Stud on the Fuse Box – (use the stud that doesn't have anything attached to it). Secure with 1 off Nut, It. 12 – torque to 12 ± 2 Nm.



Tie Strap It.13

17. Strap the Harness, using Tie Straps, It. 13, to the Fan Assemblies, the Upper Crossbar Bracket, the Engine Harness and anywhere else required to prevent it from lying loose.



Part # W8006311- Instruction: Auxiliary Fan to A/C Condenser Kit Install

Revision Level /Date: 001 May 13, 2009

Page 8 of 8

18. Cut off the ends of the Tie Straps and discard.

19. Test Drive the Unit to ensure that the Fans are operational when the A/C is Switched ON.