



PREVOST

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001

MAINTENANCE Mi11-27
INFORMATION




DATE : JULY 2011	SECTION : 22 - HVAC
SUBJECT : 12" BRUSHLESS CONDENSER FAN REPLACEMENT (Ref. ECN2010046)	

IMPORTANT NOTE

This procedure is needed when proceeding to the first replacement of a 12" brushless condenser fan PrevoSt #563461 (1st generation) with a 12" brushless condenser fan PrevoSt #565881 (new generation). In this case, addition of a 3650Ω resistor parallel to A53 MUX module circuit 2B (condenser fan low speed) is required. Circuit 2B being connected to all of the fans, only one resistor is required for the four fans. Without the addition of this resistor, condenser fans might not run in second speed (fast).



If a 3650Ω resistor is already connected to circuit 2B or if the replacement fan is a 1st generation fan (PrevoSt #563461), do not take this procedure into account.

APPLICATION

Model	VIN	
The following vehicles were manufactured with first generation brushless condenser fan and require the addition of a 3650Ω resistor parallel on circuit 2B when proceeding to the first replacement of a condenser fan.		
X3-45 Coaches Model Year : 2007 - 2010	From 7-8933 up to A-9973 incl.	
H3-41, H3-45 Coaches Model Year : 2008 - 2010	From 8-1293 up to A-1691 incl.	
XLII MTH Model Year : 2008 - 2011	From 8-9818 up to B-9972 incl.	
H3VIP MTH Model Year : 2008 - 2010	From 8-1292 up to A-1693 incl.	

MATERIAL

Order the following parts:

Part No	Description	Qty
562306	Resistor 3650 Ohms, 0.6 watts	1
562228	Splice, butt 16-14 AWG 	2
562499	Heat shrinking sleeve 1/4" ID clear	8 inches
561964	Ring terminal 22-18 AWG 	1
562587	Wire, 18 AWG black	60 inches
504637	Cable tie, nylon 13"	6

NOTE

Material can be obtained through regular channels.

PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

1. On **H3 Series vehicles only**, it is necessary to modify the fan shroud according to the measurements of figure 1.

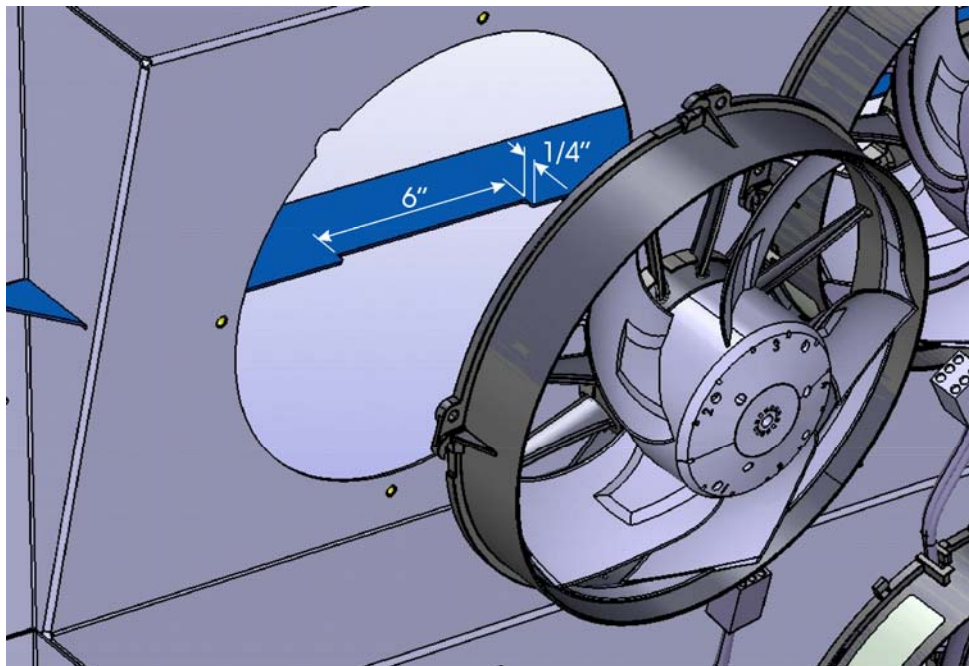


FIGURE 1: REQUIRED CLEARANCE – H3 SERIES VEHICLES ONLY

2. Inside main power compartment, add the 3650Ω resistor parallel between circuit 2B and a ground stud as per figure 2.

a) Cut circuit 2B (orange) and rejoin with #562228 butt splice.

NOTE: Add tin solder on each splice after crimping.

b) Complete resistor assembly. Heat the shrinking sleeve.

c) Connect the ring terminal to a ground stud found inside the main power compartment.

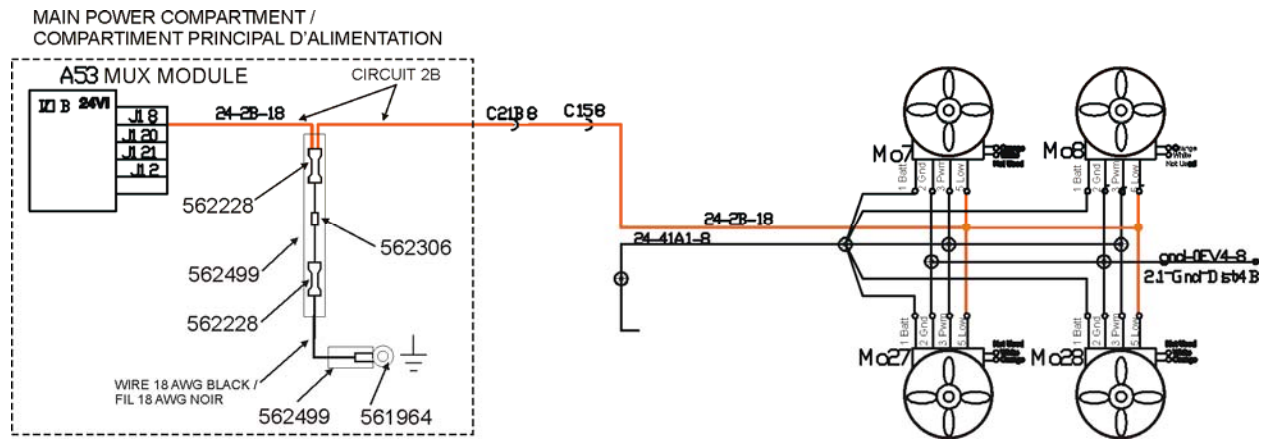


FIGURE 2

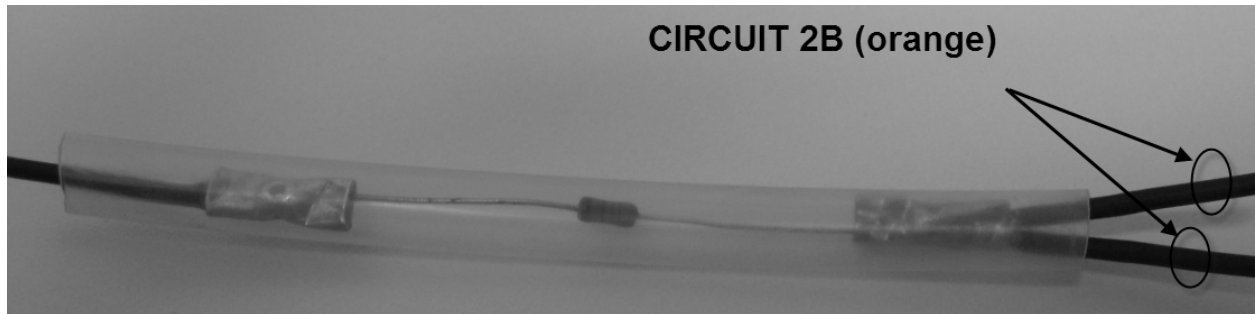


FIGURE 3 : RESISTOR ASSEMBLY TYPICAL

IMPORTANT NOTICE

This modification is recommended by PrevoSt to increase your vehicle's performance. Note that no reimbursement will be awarded for carrying out this procedure.