



FAN CONTROL MODULE

2012+ JK WRANGLER
WITH AEV HEMI KIT

AEV30310AA

Last Updated: 01/14/19

INSTALLATION GUIDE



PLEASE READ BEFORE YOU START

To guarantee a quality installation, we recommend reading these instructions thoroughly before beginning any work. These instructions assume a certain amount of mechanical ability and are not written nor intended for someone not familiar with auto repair.

INCLUDED PARTS	QTY	REQUIRED TOOLS
AEV Speed Control Module	1	Common Hand Tools
Wire Harness	1	Small Screwdriver or Dental Pick
Fan Control Bracket	1	
Hardware Pack	1	



1. Disconnect and isolate the negative battery cable.
2. For ease of installation, remove the air box. If you have a Snorkel installed, remove the snorkel and air box together.
3. Unplug the fan connector from the fan. Remove the fir tree zip tie from the fan harness (Fig. 1).

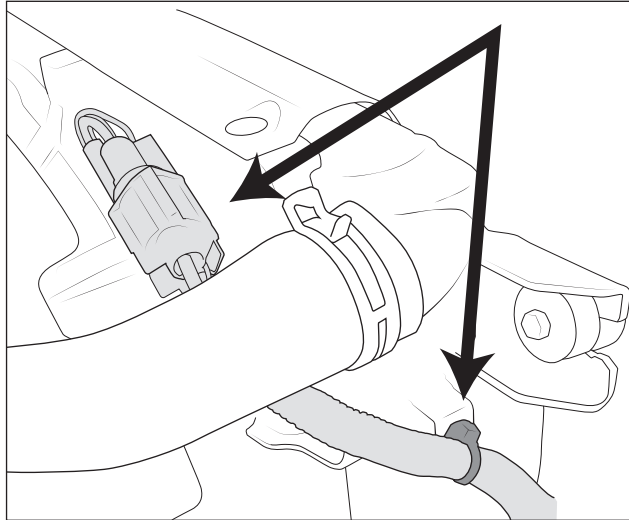


Figure 1

4. Remove the electrical tape from the split loom on the factory fan harness near the connector.
5. Remove the connector lock by prying out gently (Fig. 2).



Figure 2



6. Remove the small brown with blue stripe wire terminal from the connector by lifting the locking tab (Fig. 3).

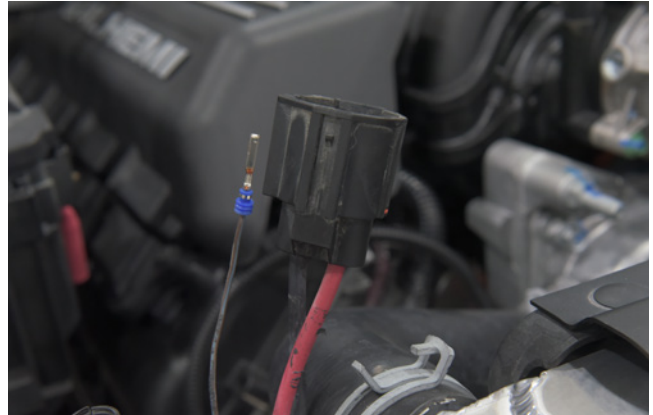
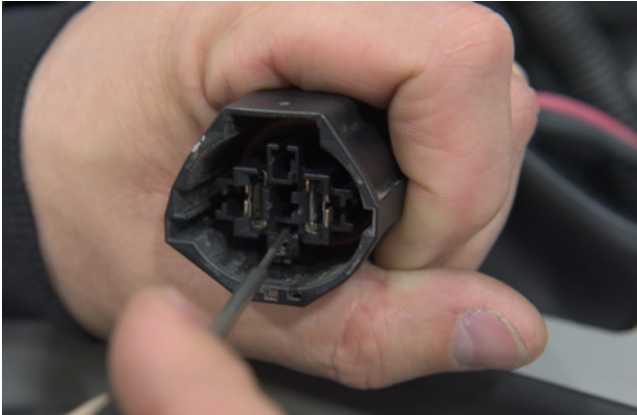


Figure 3

7. Remove the TIPM from its mounting bracket by lifting the four tabs (Fig. 4).

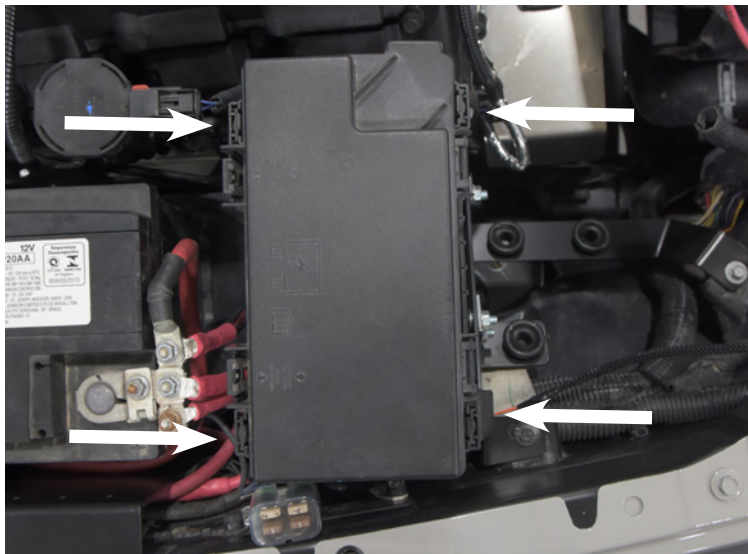


Figure 4

8. Remove the Relay mounting clip next to the battery (Fig. 5).



Figure 5



9. Route the single wire covered in braided loom behind the battery tray and across the firewall behind the factory harness until the TIPM wire is centered with the TIPM (Fig. 6).

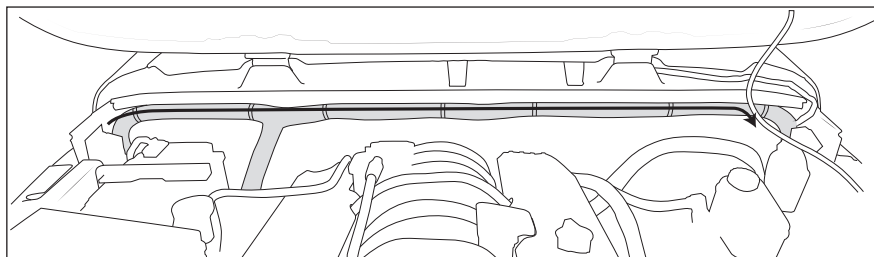
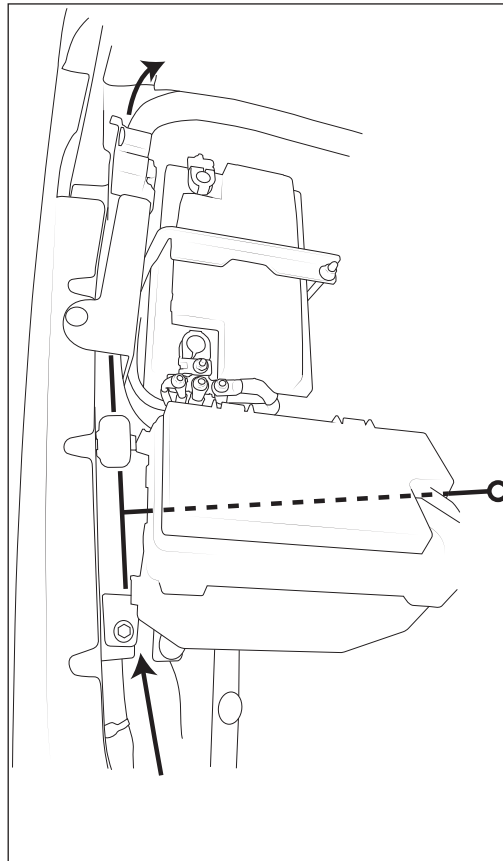


Figure 6



10. Pass the wire through the firewall grommet near the brake booster (Fig. 7).



Figure 7

11. Remove the connector from the speed/fan control module (Fig. 8).

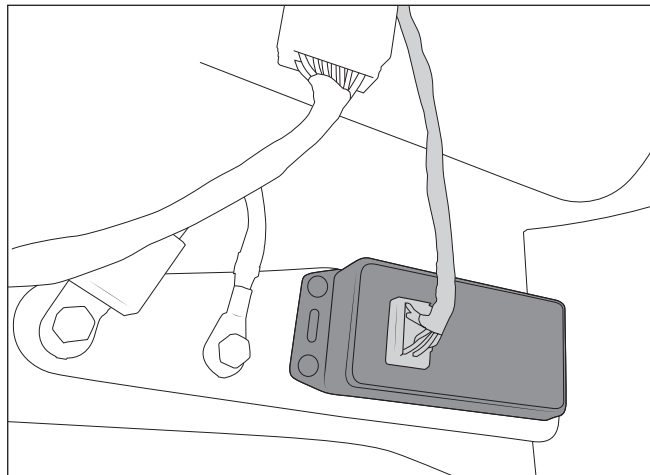


Figure 8

12. Release the locking tab on the connector (Fig. 9).

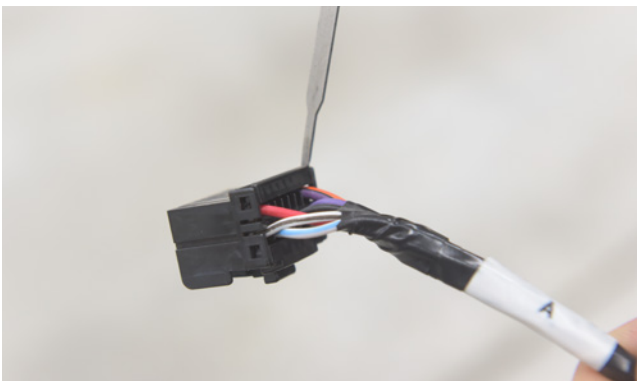


Figure 9



13. Pin the wire from the new fan harness into cavity 11 of the speed/fan control module connector then re-connect to the module (Fig. 10).



Figure 10

14. Remove the connector with no wires in it from the new fan harness (Fig. 11).

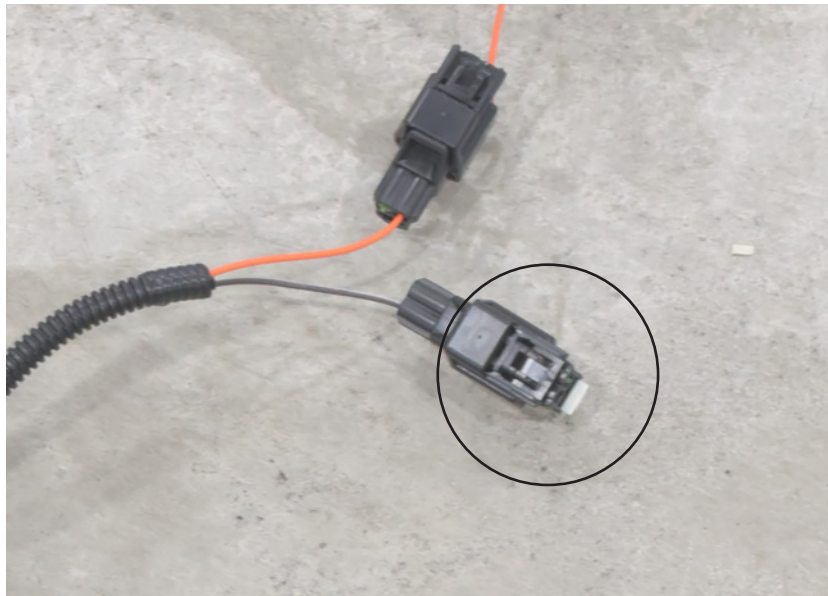


Figure 11

15. Disengage the connector lock. You do not need to completely remove this lock (Fig. 12).

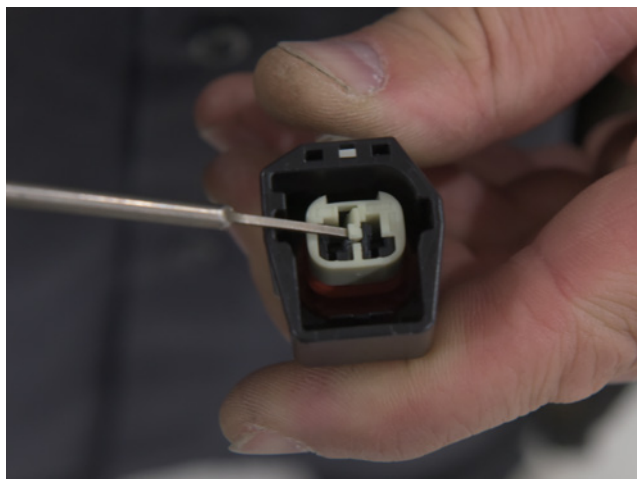


Figure 12



16. Insert the factory brown with blue stripe wire into the empty slot and reengage the connector lock (Fig. 13).

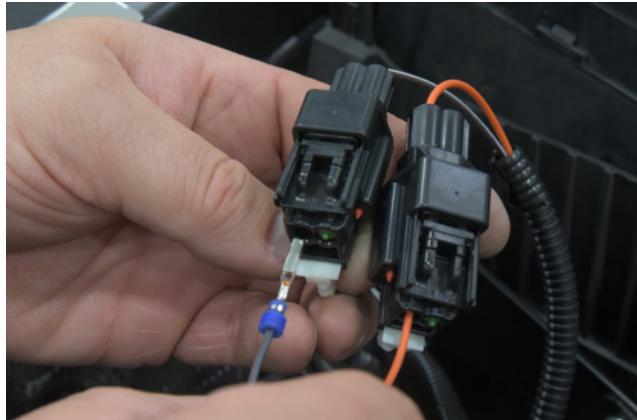


Figure 13

17. Install the new orange with black stripe wire into the factory fan connector and reinstall the connector lock to the fan connector (Fig. 14).



Figure 14

18. Route the new fan connector wire and the factory fan wire back through the split loom (Fig. 15).
19. Cover the two wires going to the two fan harness connectors with the short piece of split loom provided with the new harness and tape ends of all split loom (Fig. 15).



Figure 15



20. Plug the fan connector in and use the provided fir tree zip tie to attach it back to the radiator (Fig. 16).

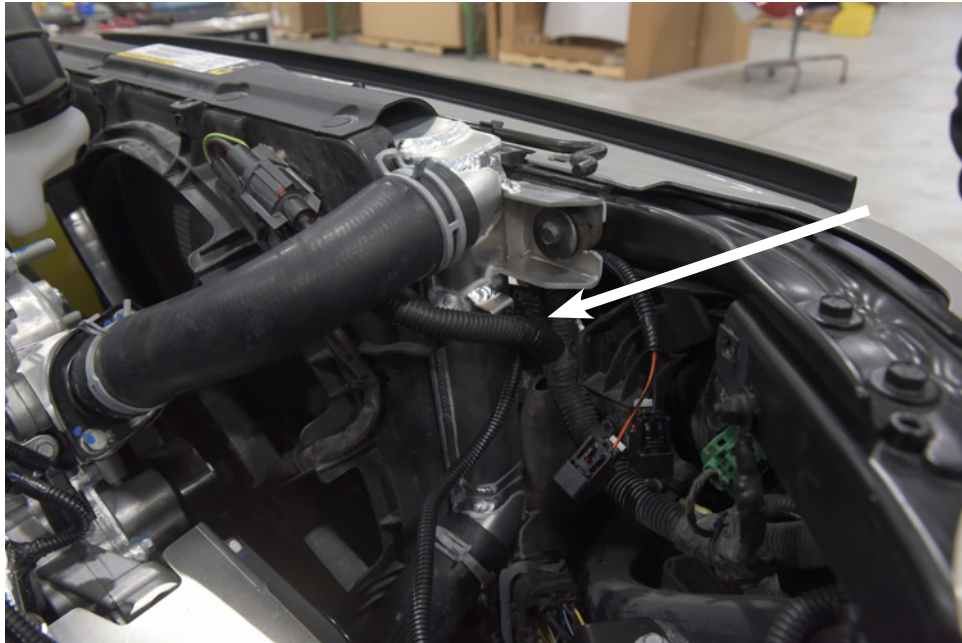


Figure 16

21. Install the provided connector mounting bracket. If you have the cone filter set up, you will have to remove this bracket to reinstall the air box later (Fig. 17).
22. Reattach ground wire (Fig. 17).



Figure 17



23. Attach fan harness connectors to mounting bracket (Fig. 18).



Figure 18

24. Attach the new fan harness along the factory harness with the 4 provided zip ties (Fig. 19).

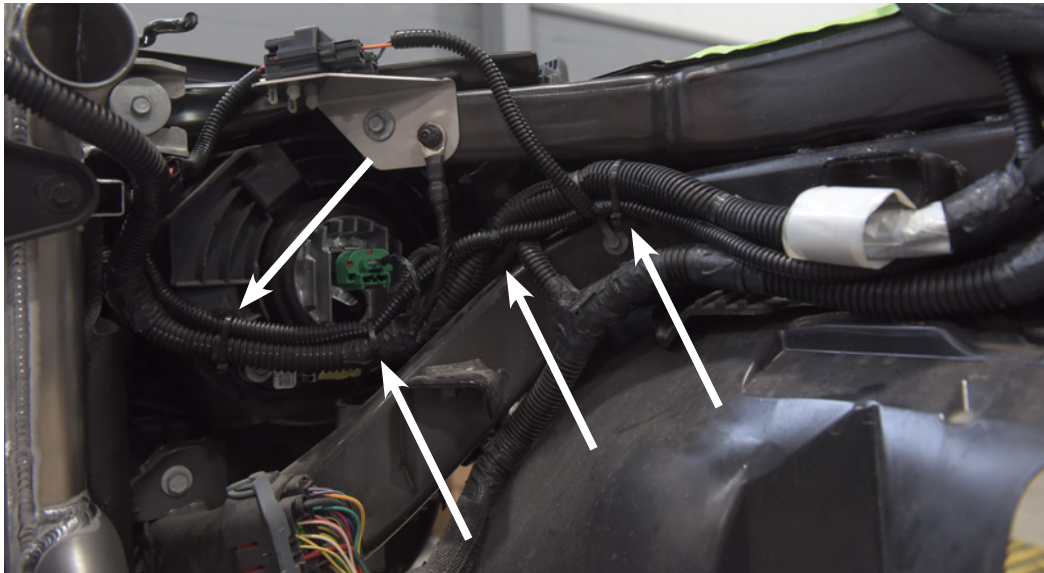


Figure 19



25. Route the wire with the ring terminal under the TIPM and attach the ring terminal to the TIPM post (Fig. 20).

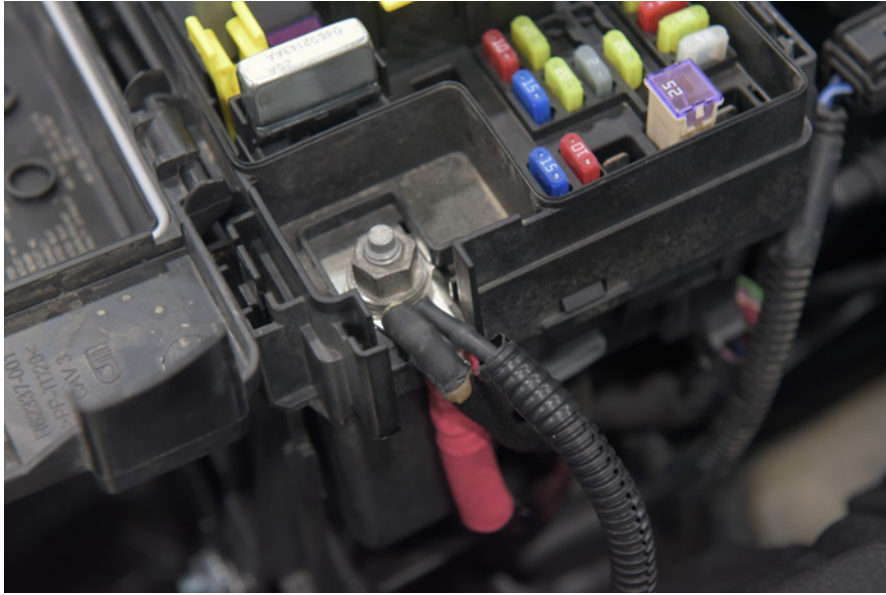


Figure 20

26. Reattach TIPM to mounting bracket.
27. Reinstall Snorkel or Air Box and Cone Filter.
28. Reconnect the battery and test function.

NOTE: Plug the connectors in with same color wires attaching for use of the module. To bypass the module and use your fan at full speed, reverse the connectors so the wire colors are not matching.