



THE AUTOMOTIVE LIGHTING BENCHMARK

09-18 DODGE RAM XB LED HEADLIGHTS INSTALL GUIDE

WARNING: By reading this document, you agree it is only to be used as an educational guide. Morimoto Lighting nor its dealers make guarantees on any finished results, nor are they to be held responsible for any damage, misuse, or personal injuries. If you are unable to clearly understand and adapt the information below, professional installation is recommended.

PACKAGE CONTENTS



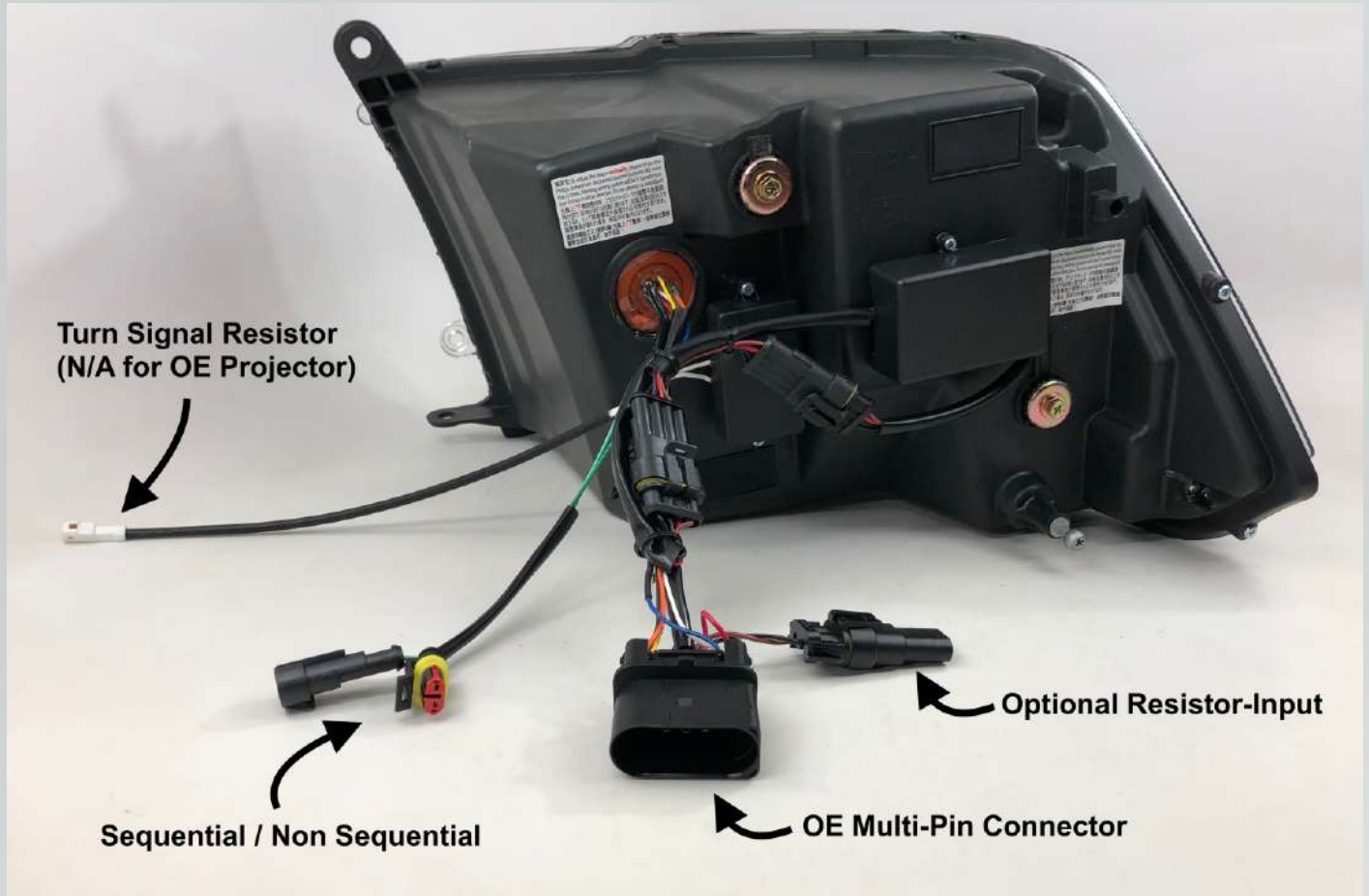
2X HEADLIGHT ASSEMBLIES



1X FUSE TAP / DRL HARNESS

IMPORTANT: If your vehicle is equipped with anything but OEM turn signals (full assemblies, LED bulbs, or otherwise) in the tail lights or elsewhere: You may experience a hyper flash and/or problem with the sequential signal setting on these headlights. This is not a defect in the headlight, and caused by un-matched impedance with your original vehicle settings.

CONNECTOR IDENTIFICATION FOR OEM PROJECTOR TRUCKS ONLY



US TRUCKS



CANADIAN TRUCKS



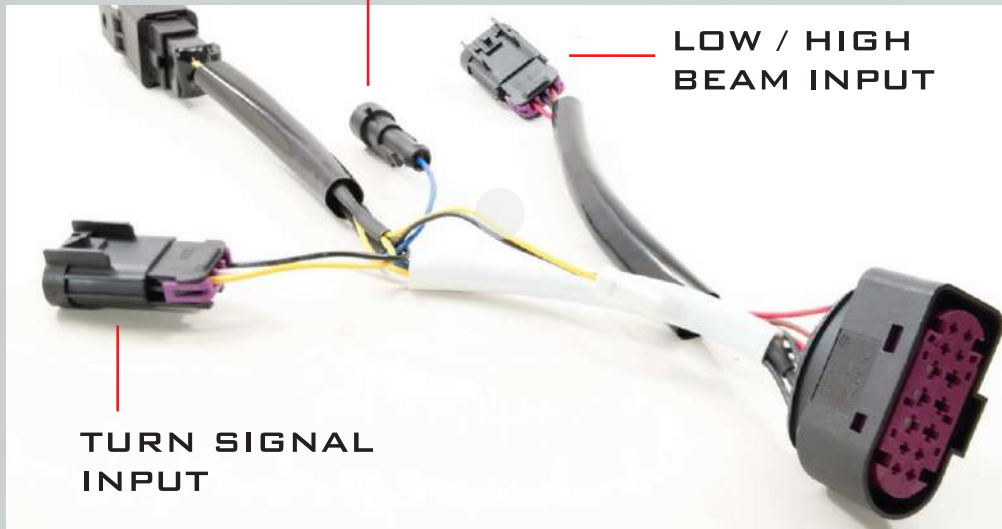
CONNECTOR IDENTIFICATION FOR OEM REFLECTOR TRUCKS ONLY



DRL TRIGGER

LOW / HIGH
BEAM INPUT

TURN SIGNAL
INPUT

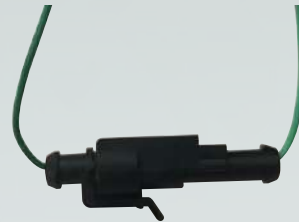


SEQUENTIAL TURN SIGNAL TOGGLE

SEQUENTIAL TURN SIGNAL OPERATION



STANDARD (BLINKING) TURN
SIGNAL OPERATION



DRL FUSE TAP

DRL TRIGGER ON
HEADLIGHT

NOT USED

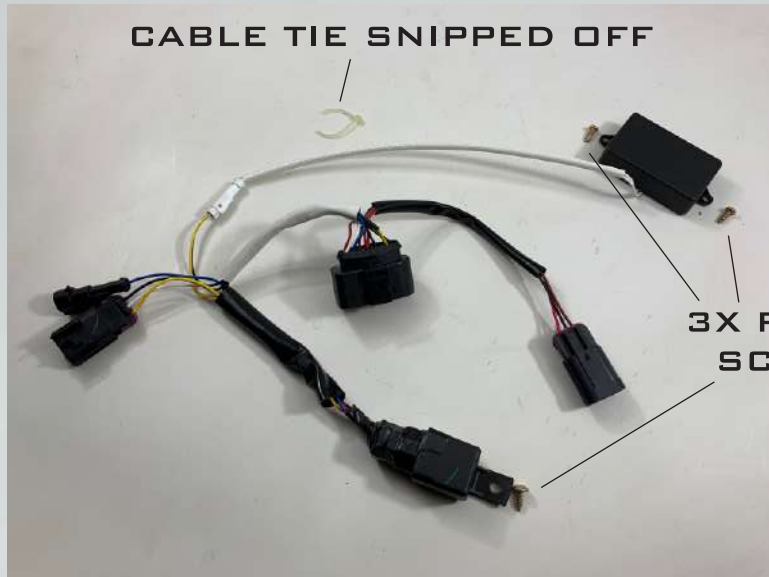


CONVERTING HEADLIGHT FROM OEM REFLECTOR (DEFAULT CONFIGURATION) TO OEM PROJECTOR-COMPATIBLE WIRING

DEFAULT CONFIGURATION



PIECES REMOVED AND DISCARDED



WHAT'S LEFT

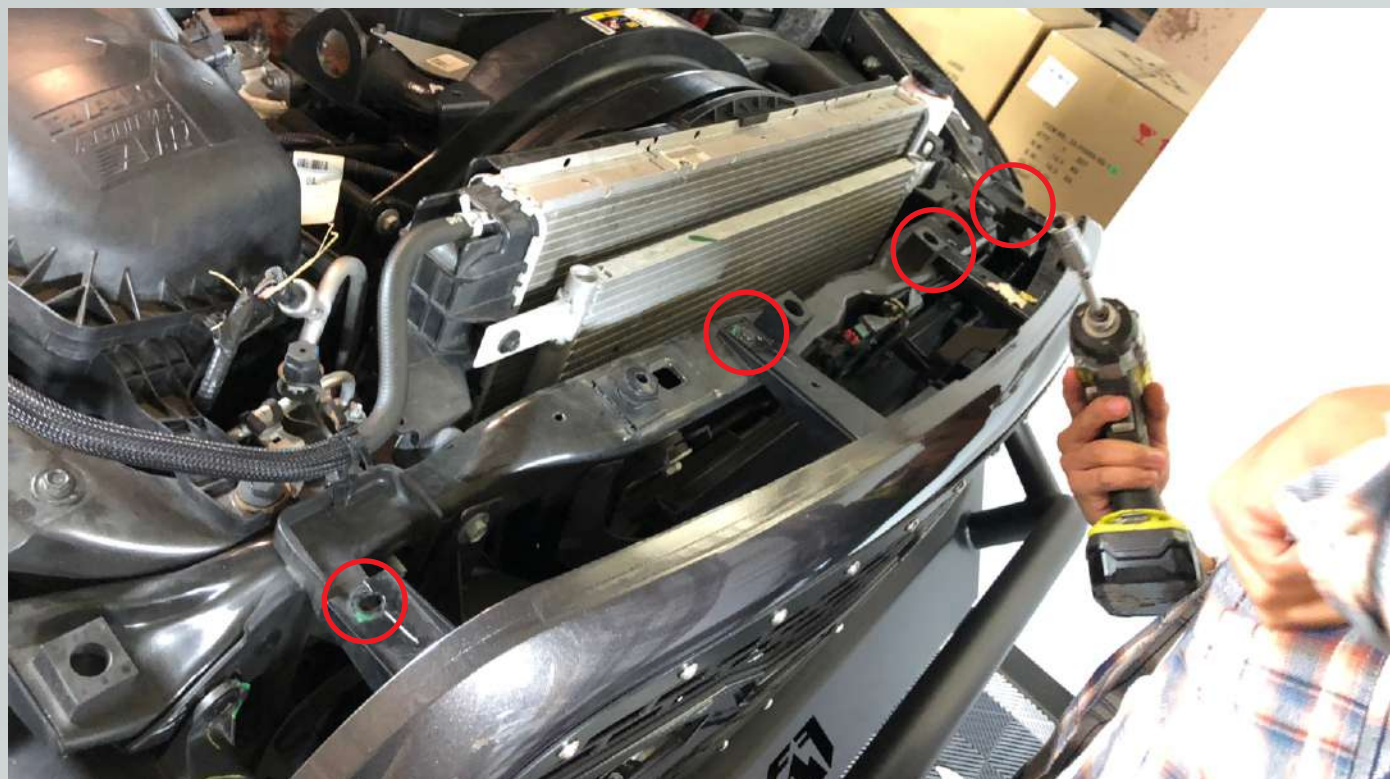


INSTALLATION PROCESS

1. Remove the plastic radiator shroud behind the grille. There are 4 ribbed clips. If you pull up on each one with moderate force, it will come out. On the bottom, it can just be pulled up with moderate force too.



2. Remove the grille by loosening the 4x 10mm bolts on the top and (if equipped) the 8mm bolts indicated in the second picture. Then pull the grille assembly forward with moderate force. There are clips on the bottom.





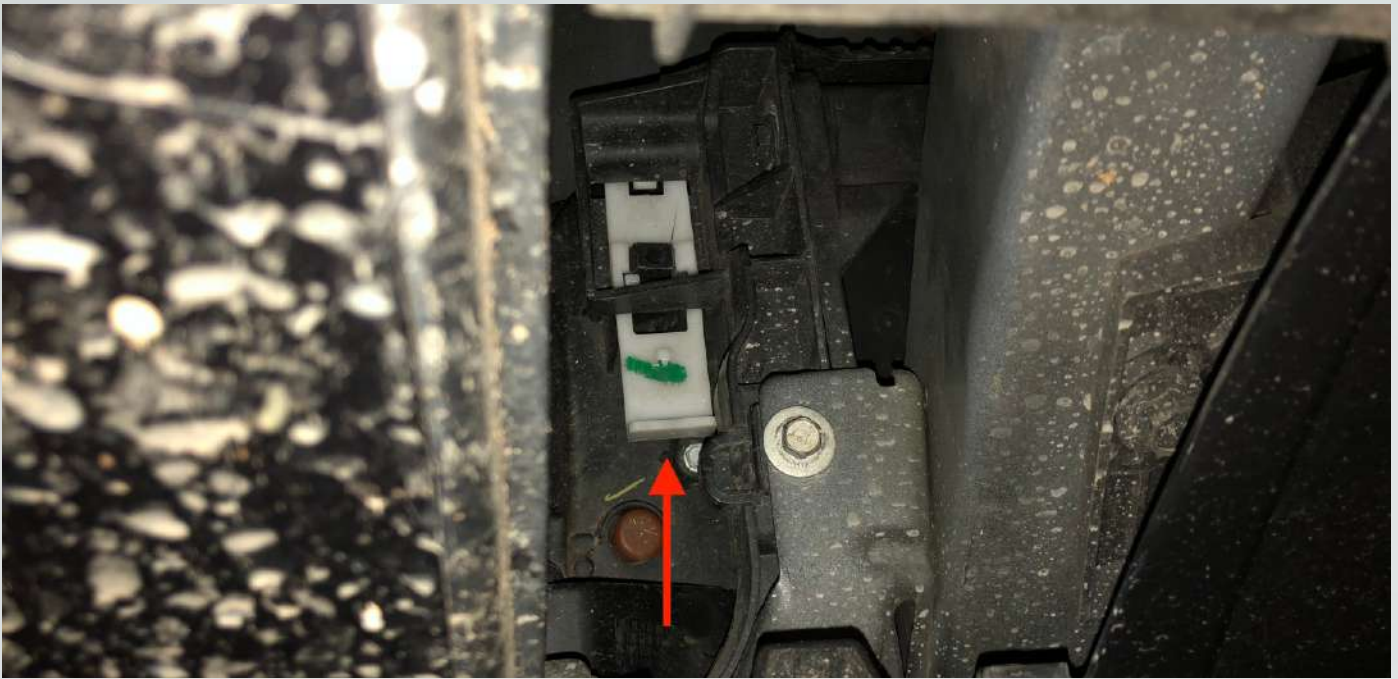
3. Remove the 2x 10mm bolts on the front of the headlights.



4. Inside the wheel well, open the access panel.



4B. By pushing up on the white tab, it will release the headlight from the truck.

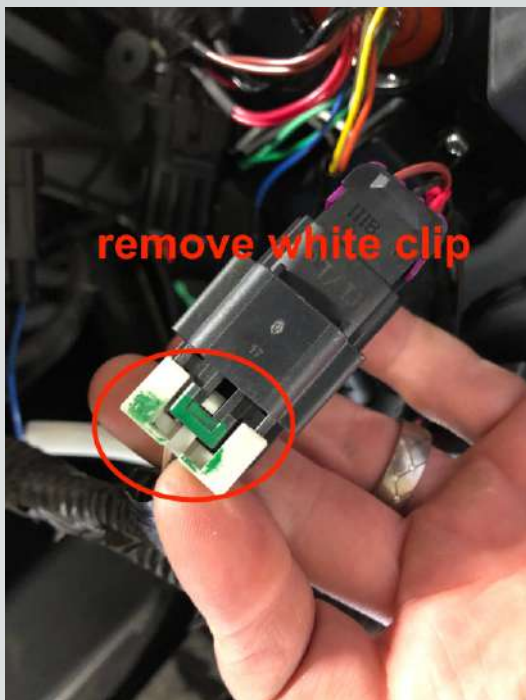


5. Remove the headlight.

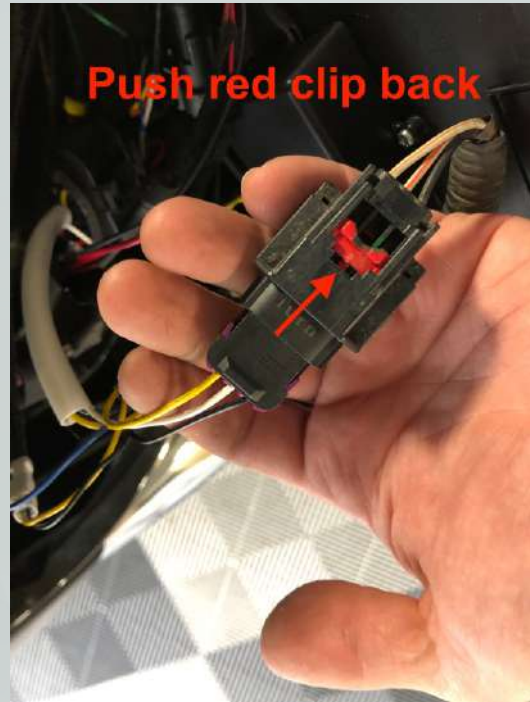


6. To unplug the high/low H13 connector, remove the white clip, then press down the green tab to release.

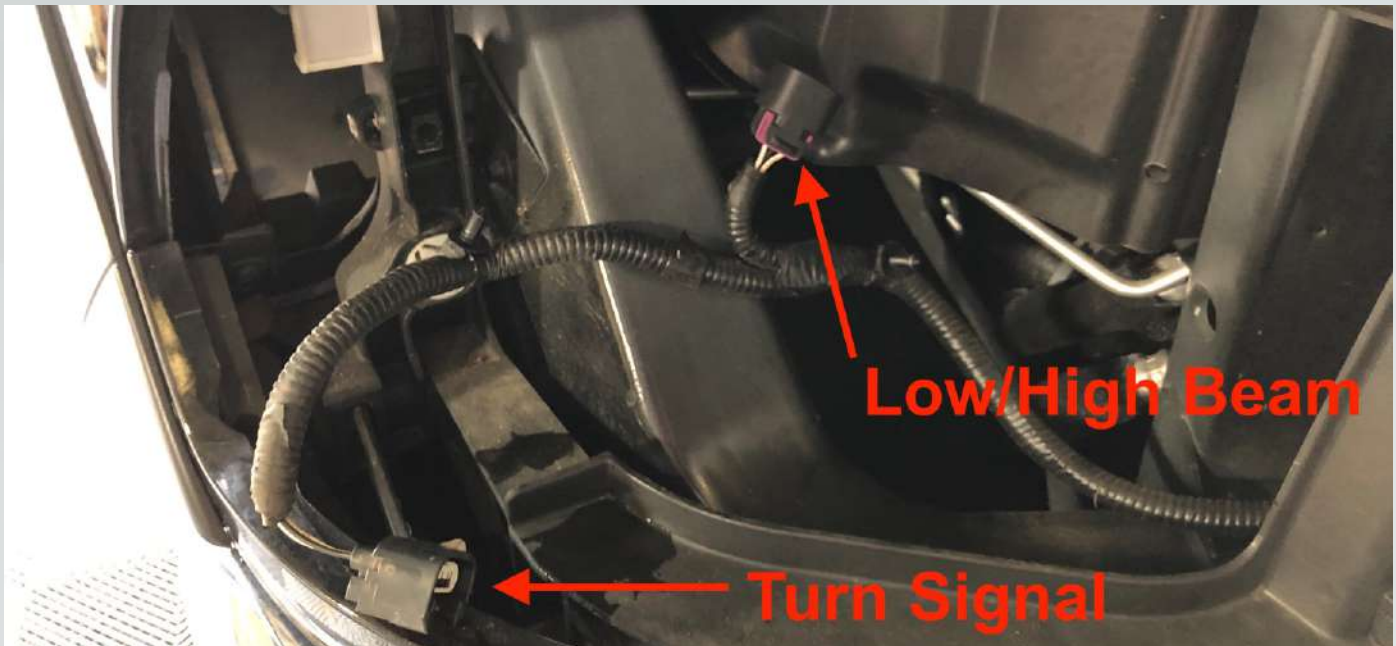
Note: The low/high beam connector is the shorter wiring. The turn signal is the longer wiring. The two look similar otherwise.



7. To unplug the turn signal H13 connector, remove the white clip, then press down the green tab to release.



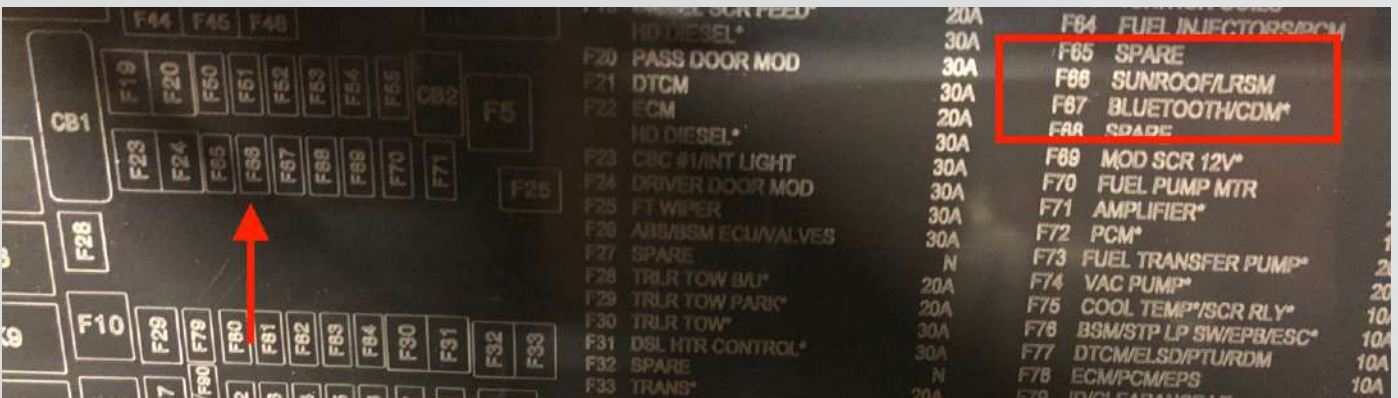
8. Install the new XB LED headlight in reverse order.



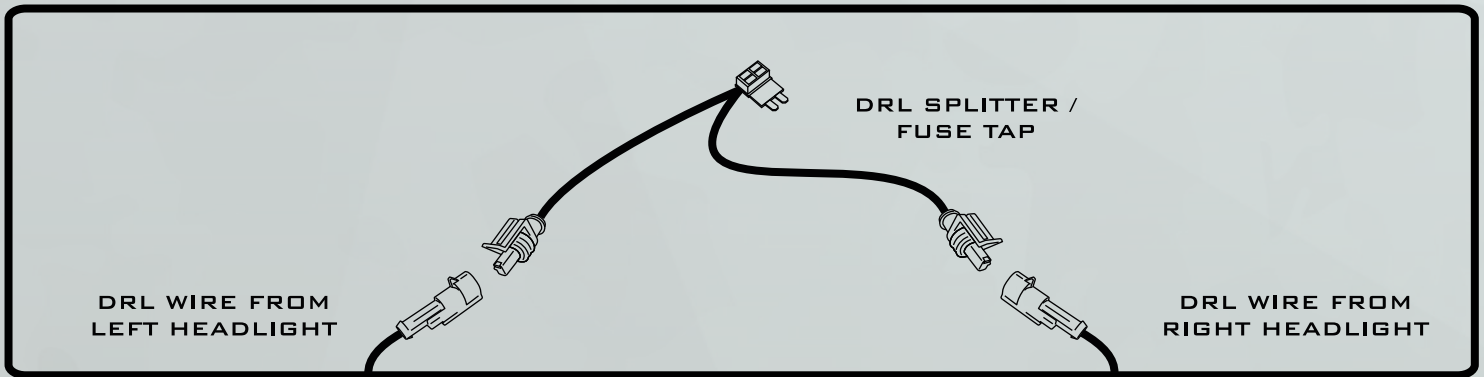
9. Install the new XB LED headlight in reverse order.



10. (Not for Canadian OEM Projector Trucks!): Run the DRL Fuse tap into the fuse box. Plug it into position #66 for switched power. (without this, the turn signals and Bright mode on the DRL will not work properly). NOTE: If you have an 09-12 truck and position #66 is occupied, use fuse #M7. The photo below is only for 2013+ trucks



F64	FUEL INJECTORS/PCM
F65	SPARE
F66	SUNROOF/LRSM
F67	BLUETOOTH/CDM*
F68	SPARE
F69	MOD SCR 12V*
F70	FUEL PUMP MTR
F71	AMPLIFIER*
F72	PCM*
F73	FUEL TRANSFER PUMP*
F74	VAC PUMP*
F75	COOL TEMP*/ISCR RLY*
F76	BSM/STP LP SW/EPB/ESC*
F77	DTC/MELSD/PTU/RDM
F78	ECM/PCM/EPS
F79	IVCL GARAGE LIT



11. The up/down height adjustment can be accessed through the hole in your core support (per photo below)



To adjust: Turn from the top by inserting the tip of a long Philips screw driver from the top (behind the gear) (per photos below)



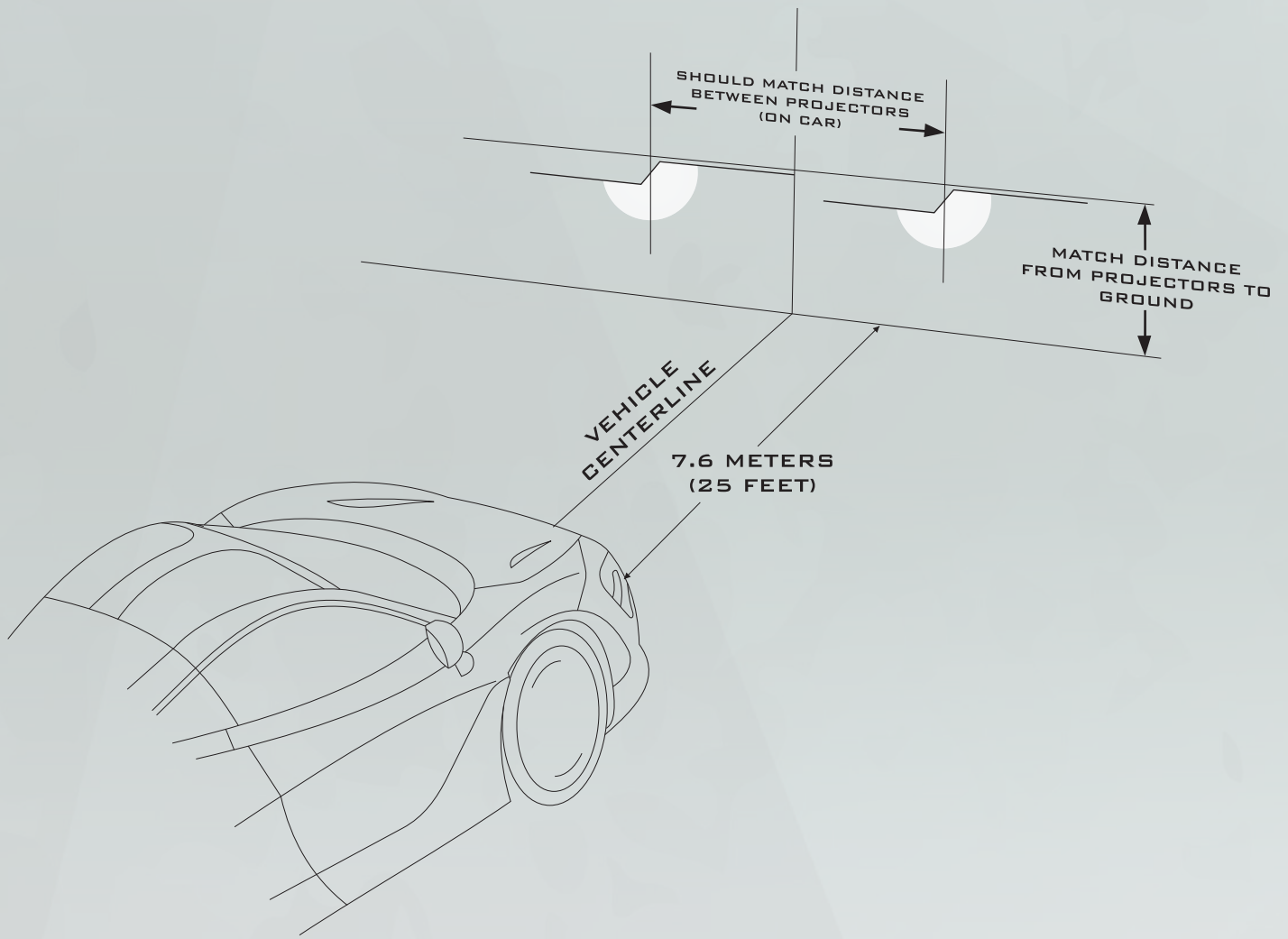
*Note: If you have a 2009-2012 Ram, you can either remove the headlight to adjust the height of the beam or use a hole-saw to drill a hole in this location to access the adjuster while mounted. (Ram built all 2013+ trucks with a hole here to accommodate aiming with OE projector lights)

12. The side/side horizontal adjustment can be accessed through the panel in the wheel well. (per photo below)



To adjust: Turn using 8mm socket with extension. A wobble adapter will help. In most cases, little/no lateral adjustment is necessary. (Note that OE headlamps don't have lateral adjustment at all)

13. Please refer to the aiming standards below when adjusting your lights.



-END-