



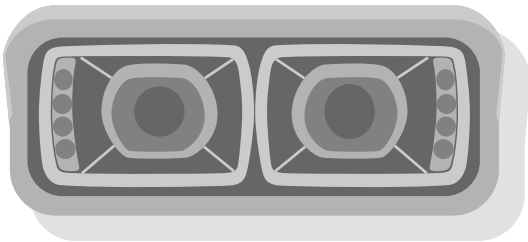
# HIGH POWER LED PROJECTION HEADLIGHT ASSEMBLY INSTALLATION INSTRUCTION

FOR PETERBILT\* 357 / 365 / 378 / 379

\*models with factory dual 4" x 6" headlamps

ITEM # 31154 / 31155 / 31156 / 31157

## BOX CONTENTS



HIGH POWER LED  
PROJECTION HEADLIGHT ASSEMBLY

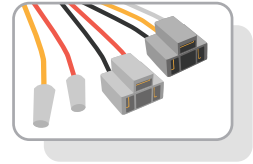


X 2

QUICK SPLICE  
WIRE CONNECTORS



5/32" SOCKET  
DRIVER



WIRES & PLUGS



X 8

FLAT HEAD SCREWS  
FLAT WASHERS  
NUTS

## INSTALLATION INSTRUCTION

**1.** Remove the original outer headlight bezel. Remove the headlamp bulb retainers and unplug the existing 4"x 6" headlight bulbs. Remove the existing headlamp cradle. Note, the screws in the original headlamp housings had a tendency to corrode and seize. If this occurs, then be prepared to drill and re-tap the threads.

**2.** Prior to installation of the new LED headlamp, carefully remove the 4 screws from the LED headlamp bezel, and safely set these aside.

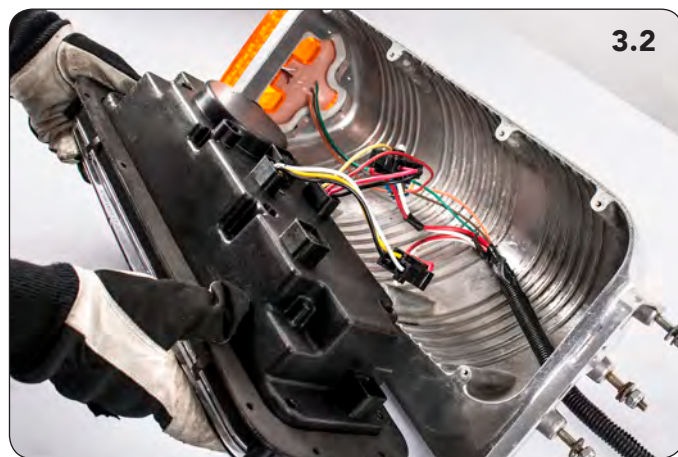


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**3.** Note: Be sure to take note of the lefthand & righthand label on the headlight lens. When installed, only the outer projectors are illuminated on low beam. When the high beam is on, all four projectors are illuminated. The LED headlamps plug into the original headlamp plugs. Included in the installation kit are new headlamp plugs if the originals are not in good condition. Simply splice with common butt connectors (not included). The separate yellow wire is for the amber LED turn signal, and the separate red wire is for the white LED position lights. Using the quick splice connectors included, attach the yellow wire to the turn signal wire, the same wire that goes to the corner light on the end of the headlamp housing. Using the quick splice connectors included, attach the red wire to the running light wire that goes to the running light of the corner light on the end of the headlamp housing.



**4.** Note: Secure the LED headlamp unit to the headlamp housing with only 4 screws at this time. Power on the headlights and take note of the headlamp beam position. If the beam position needs adjustment, remove the headlight from the housing and adjust as necessary. Check & repeat as needed. To adjust the beam, remove the 4 plastic caps on the back of the LED headlamp, and use the included 5/32 nut driver tool. Upper adjusters: Clockwise moves the beam RIGHT, counterclockwise moves the beam LEFT. Lower adjusters: Clockwise moves UP, counterclockwise moves DOWN. Replace the plastic caps when done.



**5.** Complete the installation by installing all 8 screws that mount the LED headlamp to the headlamp housing.



**6.** Install the outer bezel with the visor at top using the 4 screws removed in step 1.



**Special Installation Note:** If fuse blows on high beam, please flip the high beam plug over 180 degrees.



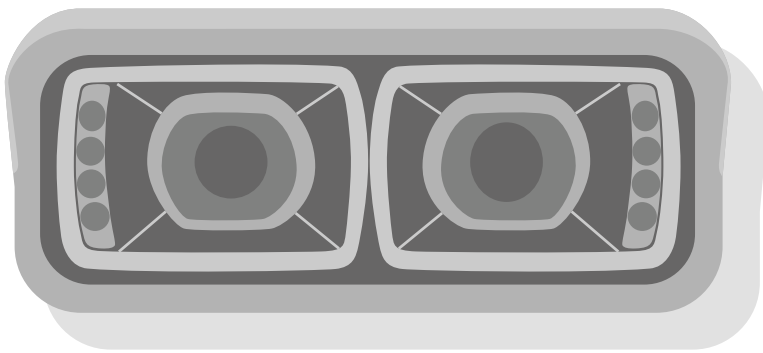
# HIGH POWER LED PROJECTION HEADLIGHT ASSEMBLY INSTALLATION INSTRUCTION

FOR KENWORTH\* • FREIGHTLINER\* • WESTERN STAR\*

\*models with factory dual 4" x 6" headlamps

ITEM # 31154 / 31155 / 31156 / 31157

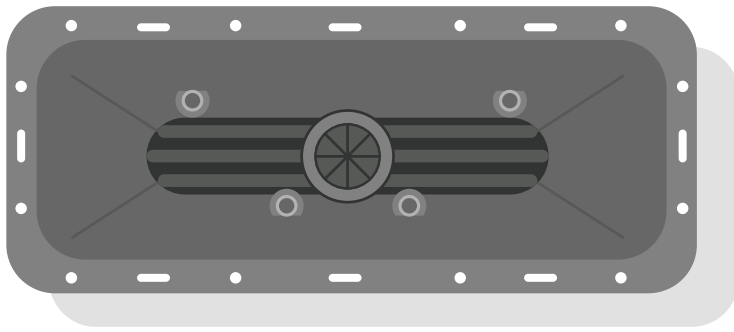
## BOX CONTENTS



HIGH POWER LED  
PROJECTION HEADLIGHT ASSEMBLY



5/32" SOCKET  
DRIVER

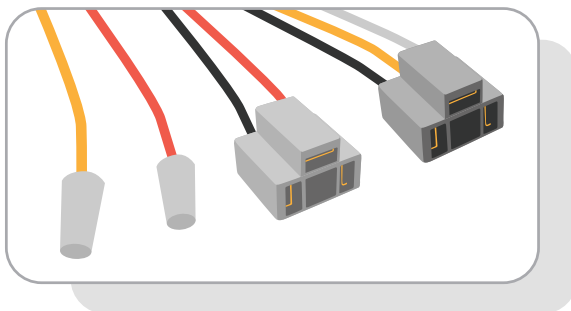


PROJECTION HEADLIGHT FENDER LINER

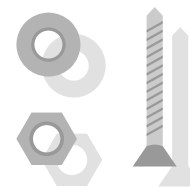


X 2

QUICK SPLICE  
WIRE CONNECTORS



WIRES & PLUGS



X 8

FLAT HEAD SCREWS,  
FLAT WASHERS & NUTS



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# INSTALLATION INSTRUCTION

1. Remove the original outer headlight bezel. Remove the headlamp bulb retainers and unplug the existing 4"x 6" headlight bulbs. Remove the headlight wiring from the rear of the original headlight cradle. Remove the existing headlamp cradle. Note, some of the truck manufacturers used rivets to mount the original cradle to the fender. Be prepared to drill out the rivets if necessary.





**2.** The new fender liner mounts under the fender from the back. Some trucks might have an extra support bracket that will need to be loosened enough to slip the new fender liner under the bracket. Drill and enlarge the holes as necessary for installation of the 4 screws. Mount the new fender liner in place with the screws and nuts. Install the headlight wiring through the center opening of the new fender liner.

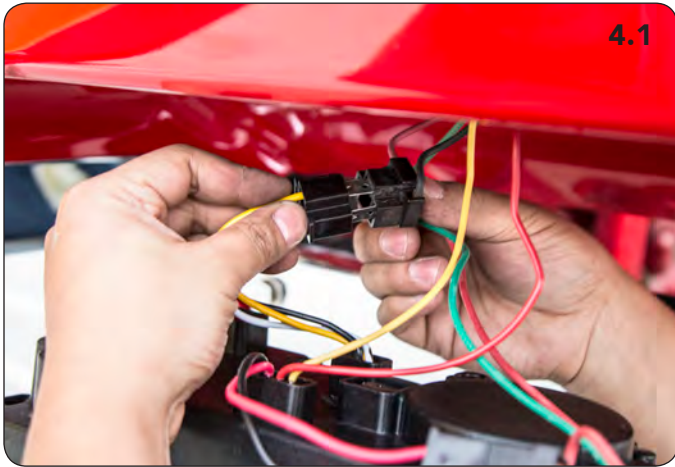


**3.** Prior to installation of the new LED headlamp, carefully remove the 4 screws from the LED headlamp bezel, and safely set the bezels and screws aside.





**4.** Note: Be sure to take note of the lefthand & righthand label on the headlight lens. When installed, only the outer projectors are illuminated on low beam. When the high beam is on, all four projectors are illuminated. The LED headlamps plug into the original headlamp plugs. Included in the installation kit are new headlamp plugs if the originals are not in good condition. Simply splice with common butt connectors (not included). The separate yellow wire is for the amber LED turn signal, and the separate red wire is for the white LED position lights. Using the quick splice connectors included, connect the yellow and red wires to the turn signal and position light circuits on the truck. Additional wiring might need to be ran depending on the original configuration of the truck.



**5.** Note: Secure the LED headlamp unit to the fender with 4 screws. Power on the headlights and take note of the headlamp beam position. If the beam position needs adjustment, remove the headlight from the housing and adjust as necessary. Check & repeat as needed. To adjust the beam, remove the 4 plastic caps on the back of the LED headlamp, and use the included 5/32 nut driver tool. Upper adjusters: Clockwise moves the beam RIGHT, counterclockwise moves the beam LEFT. Lower adjusters: Clockwise moves UP, counterclockwise moves DOWN. Replace the plastic caps when done.



**6.** Install the outer bezel with the visor at top using the 4 screws removed in step 3.

**Special Installation Note:**

If fuse blows on high beam, please flip the high beam plug over 180 degrees.

