UNIVERSAL HEADLIGHT ASSEMBLY
FOR PETERBILT 379, 389, 357, 365, 367, 378, 567
& OTHER CUSTOM HEADLIGHT CONFIGURATIONS
(TLED-H104, TLED-H105, TLED-H106, TLED-H107)

TOOLS REQUIRED:
1 x PLYERS

BOX CONTENTS:
1 x UNIVERSAL HEADLIGHT ASSEMBLY
   (DRIVER OR PASSENGER)
   Bullet Plugs & H4 Male Connector Attached
1 x 304 STAINLESS HOUSING BUCKET
   (BOTTOM VIEW)
1 x BLACK RUBBER GROMMET
   & GASKET
1 x H4 FEMALE CONNECTOR WITH 3 WIRES
   (BLACK, WHITE & YELLOW)
1 x 3 COLORED EXTENSION WIRES
   (BLACK, WHITE & YELLOW)
3 x CRIMP CAPS
1 x STAINLESS STEEL SCREWS
6 x LARGE WASHERS
6 x SMALL WASHERS
1 x BLACK LOOM
   (Included with TLED-H106 & TLED-H107 ONLY)
1 x 304 STAINLESS MOUNTING BRACKET
   (Included with TLED-H106 & TLED-H107 ONLY)
1 x MOUNTING BRACKET BOLT
   WASHERS & SPACERS
   (Included with TLED-H106 & TLED-H107 ONLY)
2 x

Visit our website to view the Installation Video - www.truxaccessories.com
PLEASE NOTE:
• For this assembly, it is recommended that you work on a secure and clean surface area.
• Use the Headlight Bucket Support Insert found in the Retail Box for Step #12.
• Plyers are required to complete the installation.

1) PREPARATION OF HEADLIGHT
Place the Headlight Assembly face down on a dry, clean surface. To avoid surface scratches, keep the protective film on the Headlight Bezel.

PLEASE NOTE:
• DO NOT throw away the Headlight Bucket Support Insert as it will come in handy later on in the installation.

Disconnect the 3 Male Bullet Plugs of the Headlight Bezel from the Female Bullet Terminal located on the rear of the Headlight Assembly.

Detach the Headlight Bezel from the Headlight Assembly by unclipping the bezel from the housing. Remove the Protective Film from the lens of the Headlight Assembly & place the Headlight Assembly to the side for later use.
2) HEADLIGHT ASSEMBLY AND HOUSING BUCKET WIRING
Secure the Black Rubber Grommet to the center hole located on the back of the Housing Bucket.

Feed the Yellow, Black and White Wires from the Female H4 Connector provided through the Black Rubber Grommet that is located in the center hole of the Housing Bucket. The Female H4 Connector should remain on the inside of the Housing Bucket.

Place the Gasket on the Housing Bucket and feed the Female H4 Connector through the Gasket, making sure that the Gasket is in between the H4 Connector and the Housing Bucket.

Connect the Headlight Assembly's Male H4 Connector to the Female H4 Connector found on the Housing Bucket.
Locate the loose Yellow, Black and White Wires connected at the back of the Headlight Assembly. With the provided Yellow, Black and White Extension Wires connect the corresponding colored wires using the provided Crimp Caps.

Yellow Extension Wire to Yellow Headlight Wire
White Extension Wire to White Headlight Wire
Black Extension Wire to Black Headlight Wire

PLEASE NOTE:
• Flyers are required to clamp the Crimp Caps to the wires.

Pass the recently connected Yellow, Black and White Extension Wires through the Gasket and then through the Black Rubber Grommet located on the Housing Bucket.

PLEASE NOTE:
6 Wires should be running through the center hole of the Housing Bucket.
- 3 from the Female H4 Connector
- 3 from the Extension Wires

Reconnect the 3 Male Bullet Plugs from the Headlight Bezel to the Female Bullet Terminal located on the Headlight Assembly.
3) CONNECTING THE HEADLIGHT ASSEMBLY & HOUSING BUCKET

Place the Headlight Support Insert found in the Retail Box on a flat surface to use as an assembly support for the next steps. Place the Housing Bucket into the Support Insert facing upwards.

Place the Gasket over the Housing Bucket by aligning the holes from the Gasket with the screw holes of the Housing Bucket.

Without having any wires exposed, position the Headlight Assembly into the Housing Bucket and place onto the Gasket. Align the holes of the Headlight Assembly with the screw holes of the Gasket and the Housing.

To secure the Headlight Assembly onto the Housing Bucket, place the provided Screws and Washers (see below for Washer order) into the screw holes located around the Housing Bucket (see below for locations). Using the provided Phillips Screwdriver, fasten all 6 screws to the Headlight Assembly.

WASHER MOUNTING:

| 6 x | STAINLESS STEEL SCREW | SMALL WASHER | LARGE WASHER |

SCREW HOLE LOCATIONS:
As you lower the Headlight Bezel onto the Headlight Assembly, feed the Headlight Bezel Wires through the gap shown below. Once the wires are clear, snap the Headlight Bezel back onto the Headlight Assembly.

The Headlight Assembly is now ready to be installed onto the Universal Mounting Bracket (TLED-H106 & TLED-H107 ONLY) and can be removed from the Headlight Support Insert.

A Black Loom is provided to protect the 6 wires running from the rear center hole of the Headlight Assembly. Install the Black Loom during the installation of the Headlight and Mounting Bracket to the truck.

**WIRING CONFIGURATION (6 WIRES)**
- White: Headlight Ground | Auxiliary Ground
- Black: Headlight High Beam | Auxiliary White Daytime Running
- Yellow: Headlight Low Beam | Auxiliary Amber Turn Signal

**TROUBLESHOOTING TIPS:**

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SOLUTION</th>
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<tbody>
<tr>
<td>1 - Weak or improper lighting</td>
<td>You may need to install a load resistor on each light that is experiencing these issues. Trux offers the TU-1039 for LED headlights (80W). Load resistors are used often for vehicles that originally came with Halogen bulbs. The truck’s computer is programmed to expect a higher wattage draw from Halogens and may sometimes send errors to the light if it is drawing the lower wattage draw of LEDs. These errors can present themselves in different ways such as intermittent flashing. The TU-1039 load resistor is the first line of defense for these issues. It will compensate for the low power wattage of the LED to make sure there is no error message on the dash so that no re-programming is required. Once installed, it will ‘trick’ the vehicle’s computer and allow it to send the proper current needed for the LED.</td>
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<td>2 - Error on the dashboard</td>
<td>Switch the ‘black’ ground (negative) wire with the ‘white’ low beam (positive) wire on your ‘low beam’ 3-wire H4 connector. ‘White’ will become ground (negative) and ‘black’ will become low beam (positive). If the H4 plug is the sealed version, you can switch the wires on your truck. These are universal headlights and each of the different trucks/years that they fit may have their ground wire on different sides or colors. In some cases, you may need to switch the black and red wire on the ‘high beam’ 2-wire H4 connector in order to switch the ground of the high beam.</td>
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<td>3 - Light flickering</td>
<td><strong>NOTE:</strong> Our LED headlights do not work on a double negative system. <strong>NOTE:</strong> If you have 4656 bulbs on your truck, you may need to perform the following 4656 to H4 conversion. (See diagram on the right)</td>
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<td>4 - My high beam is not working</td>
<td>The H4 extension is designed to switch the ground (negative) to the opposite side. If you need the extra reach of the extension, please make sure the positive and negative of your vehicle match the positive and negative of the H4 extension.</td>
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<td>5 - My low beam is not working</td>
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<td>6 - My Halo and/or marker is not working when connected to the low beam</td>
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<td>7 - The light doesn’t work when I use the H4 extension</td>
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**PLEASE NOTE:**
For Installation Instructions on mounting the “Retro” Headlight Assembly to the Universal Mounting Bracket, please refer to the “Universal Mounting Bracket Installation Guide” PDF.
You can access the PDF via using the link (https://truxaccessories.com/wysigy/PDF/Mounting_Bracket_Installation.pdf) or by visiting the website at www.truxaccessories.com

Visit our website to view the Installation Video - www.truxaccessories.com