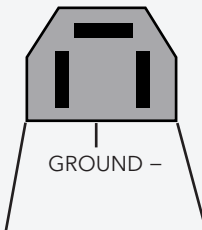
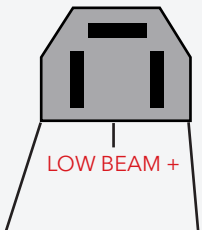
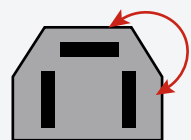

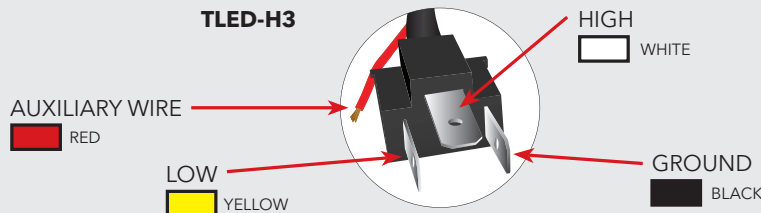


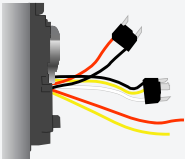


PRODUCT	PROBLEM	SOLUTION
Universal headlights & Assemblies with H4 connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51 TLED-H38-H56-H63-H33 TLED-H47-H72 TLED-H26-H27-H48K	<p>1. My high beam is not working.</p> <p>2. My low beam is not working.</p> <p>3. My Halo and/or Marker is not working when connected to the low beam.</p>	<p>If their previous truck had the 4656 Bulb:</p> <p>1. Use the TPGL-H1 adapter to produce the following result</p> <p>OR</p> <p>2. Swap the prongs on the H4 Connector to match the configuration below</p> <p>4656 to H4 CONVERSION</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>VEHICLE LIGHT SOCKET 4656</p> <p>Looking in to the end where the bulb plugs in</p>  <p>GROUND -</p> <p>HIGH BEAM +</p> </div> <div style="text-align: center;"> <p>VEHICLE LIGHT SOCKET H4</p> <p>Looking in to the end where the bulb plugs in</p>  <p>LOW BEAM +</p> <p>HIGH BEAM +</p> </div> <div style="text-align: center;"> <p>THE FIX</p> <p>These 2 terminals need to be swapped with each other. From the back of the socket where the wires enter the plastic socket, use a screwdriver to release the plastic cap that holds the connectors. You can then swap them and snap them back into place. Replacement sockets are also available at most auto parts stores. If your socket does not come apart willingly, or is damaged.</p>  </div> </div> <div style="text-align: right; margin-top: 20px;">  <p>TPGL-H1</p> </div>

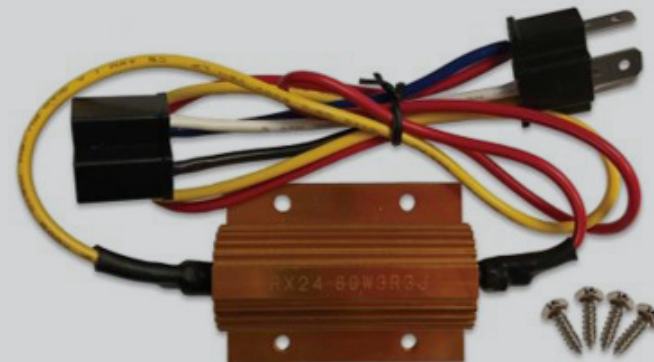
PRODUCT	PROBLEM	SOLUTION
Universal headlights & Assemblies with H4 connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51 TLED-H38-H56-H63-H33 TLED-H47-H72 TLED-H26-H27-H48K	<p>IF TPIG-H1 FAILS:</p> <p>1. My High Beam is not working.</p> <p>2. My Low Beam is not working.</p> <p>AND</p> <p>if the 4656 to H4 Conversion doesn't work:</p>	<p>1. Try swapping the terminals until you match the ground, low beam and high beam of the light with the ground, low beam and high beam of the truck's socket.</p> <p>2. Low beam wire colors are usually:</p> <p>Black = Ground Yellow = Low beam White = High beam Red = Auxiliary</p>  <p>3. However, these colors may vary depending on the model and production batch of each light.</p> <p>Ground is sometimes white Red is sometimes high beam</p>  <p>4. If the H4 Connector is sealed version</p> <ul style="list-style-type: none"> - Swap the wires on the exposed part of the TPIG-H1 - Or swap the wires on the truck 


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Universal Headlights & Assemblies with H4 Connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51 TLED-H38-H56-H63-H33 TLED-H47-H72 TLED-H26-H27-H48K	1. My high beam is not working. 2. My low beam is not working. 3. My Halo and/or marker is not working.	<p>LOW BEAM ISSUE:</p> <ol style="list-style-type: none"> 1. Use TPIG-H1 on the low beam (or swap the black and yellow wire) 2. if that fails, swap the ground other low beam (black with white wire) <p>HIGH BEAM ISSUE:</p> <ol style="list-style-type: none"> 3. Swap the black and red wire on the 'high beam' H4 connector. 'Red' will become ground (negative) and 'black' will become high beam (positive) (See attached wiring illustration). <p>(Keep in mind, there is a slight chance that this may cause a fuse to short).</p> <ol style="list-style-type: none"> 4. Also check the auxiliary and marker wire configuration to see if it is "marker and halo w/low beam" or "halo and turn signal w/low beam". This may affect the functioning. 
Universal Headlights & Assemblies with H4 Connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51 TLED-H38-H56-H63-H33 TLED-H47-H72 TLED-H26-H27-H48K	Light is vibrating or shaking.	<ol style="list-style-type: none"> 1. ECM error (use load resistor) 2. Low voltage or low power (voltage and ohms) going to the light 3. Check wire and connections 4. If only happening in drive and not park: It could be that the truck is vibrating too much on the driver side. Because it is an LED projector, you can see the border of the light beam compared to a halogen. Therefore you will see an LED Projector beam vibrate more than a halogen beam where you cant see the light border as easily. This can be why the light may be vibrating in drive and not in park. <p>It could have been happening with the halogen but he would not have noticed it. They can test this theory by shifting gears and seeing if there is a difference in vibration intensity between gears. To resolve this, they can try adding some rubber washers in the assembly set-up where the screws and bolts connect the light to the bucket. This may absorb the vibration.</p>

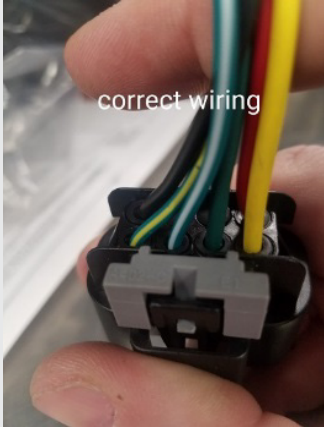

PRODUCT	PROBLEM	SOLUTION
Universal headlights & Assemblies with H4 connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51 TLED-H38-H56-H63-H33 TLED-H47-H72 TLED-H26-H27-H48K	1. Weak or improper lighting 2. Error on the dashboard 3. Light flickering 4. Intermittent flashing	1. You may need to install a load resistor on each light that is experiencing these issues. <ol style="list-style-type: none"> For LED Headlights: Trux offers the TU.1039 Load Resistor (80W) For Standard LED's such as Stop, Turn & Tail as well as 3 function LED bulbs, Trux offers the TU.1005 Load Resistor (21W) 2. BEFORE ordering a Load resistor, they can test this issue by daisy.chaining a halogen bulb between the LED and the truck. The increased wattage draw of the halogen will be equivalent to the effect of using a Load Resistor. It's just safer to drive around with a Load Resistor than a halogen bulb. If this solves the issue, then a Load resistor will work. 3. Here are some notes about how to install the Load Resistor Installation of the LOAD RESISTOR <ol style="list-style-type: none"> OEM plug from truck => Load Resistor=> headlight Use the H4 extension to place the resistor far from anything it can melt (you can extend it to the chassis). Load resistor should be installed where there is ventilation as it will heat up and possibly melt anything too close to it. If you have to extend it further, you can cut the H4 extension and add extra wiring there. DO NOT cut the wires of the actual light as you will void the warranty for the light Check the following illustration and explanation =>

EXPLANATION

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.



PRODUCT	PROBLEM	SOLUTION
Universal Headlights & Assemblies with H4 Connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51 TLED-H38-H56-H63-H33 TLED-H47-H72 TLED-H26-H27-H48K	One side works and the other side doesn't after adding 1 Load Resistor.	<p>You usually need a load resistor for each light even if one of the lights is working fine. If you have already added a load resistor (TU-1039) to one of the lights, try swapping resistors from one side to the other side. This will help determine if the issue is the resistor, the truck's wiring/ electrical or the Headlight.</p>
TPIG-H1	The light doesn't work when I use the H4 adapter.	<p>That's because it is not an extension cord, it is the TPIG-H1 designed to swap the ground with the low beam. Don't use this if you don't need an extension.</p> <p>If you choose to use this as an extension cord, you will have to swap the ground and low beam terminals in the exposed part of the TPIG-H1.</p> 

PRODUCT	PROBLEM	SOLUTION
Universal headlights & Assemblies with H4 connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51 TLED-H38-H56-H63-H33 TLED-H47-H72 TLED-H26-H27-H48K	The lights on one side work but not on the other.	<ol style="list-style-type: none"> 1. Does one side work completely and the other side not? 2. Can they swap the lights from one side to the other to see if it is the light or something going on in the truck? 3. Alternately, can they test the lights on the side that's not working on another truck or with a battery directly to see if it is the lights or the truck? 4. Is there an error on the dash? 5. On the side that's not working, is there any loose wiring with any other lights or accessories? One loose wire can cause a computer issue that will react with the low power draw of the LED. 6. Are there any high powered accessories on the side of the truck that is not working? 7. Has the OEM Plug been modified/spliced on either side? (i.e. fender lights added to the OEM). 8. They can try swapping terminals on the side that's not working. Perhaps the ground on that side is coming from a different terminal and they need to rematch the terminals.
Volvo LED H/L Assemblies: TLED-H17 TLED-H18 TLED-H19 TLED-H20	<ol style="list-style-type: none"> 1. The DRL is Amber instead of white. 2. When the H/L switch is in the off position (in DRL mode), the strip is amber when it should be white. When you turn on the light, the strip is white (as it should be). 	<p>This Amber DRL issue is a problem we have been encountering with trucks from 2004-2012. Unfortunately there is nothing we can do about it since this is an issue with how the computer on the truck is reading the light. You can reprogram the computer but this can be expensive.</p> <div>   </div>

PRODUCT	PROBLEM	SOLUTION
Volvo LED H/L Assemblies TLED-H17 TLED-H18 TLED-H19 TLED-H20	The High Beam and Low Beam are reversed.	<p>They have to pop off the cap of the wiring (which can be done with a screwdriver). Once it is removed, they will have the access needed to reverse the yellow and green wire to the same configuration as the proper working light.</p> <p>Since they are not cutting any wires, the warranty will remain intact. However, if they are concerned that they may not be able to make this adjustment easily, we can offer them the option of returning it and getting a new one.</p>
Universal LED H/L Assemblies TLED-H120 TLED-H121 TLED-H122 TLED-H123	Western Star - lights flicker.	Add a load resistor or add a halogen bulb to the line so it draws more power.
Universal Headlights & Assemblies with H4 Connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51	If Headlight wires are incompatible with OEM wires.	Install H4 Female Adapter (to male). Trux does not stock H4 Female Adapter. But can use Trux's TPIG-H1 and swap the terminals if necessary to make sure the Ground and Low Beam match.

PRODUCT	PROBLEM	SOLUTION
TLED-H120 TLED-H121 TLED-H122 TLED-H123	Comparing the new version with the old versions.	<ol style="list-style-type: none"> Only 1 (instead of 2) Headlight vertical beam adjustment pin / hole, accessible through the back of the black headlight bucket, without having to remove bucket. Also reduce the chance of water inflow. Only 1 (instead of 2) epoxied wire harness hole, reducing the chance of water inflow. Changed the position of wire hole from bottom to center, reducing the chance of water inflow when water accumulates inside the bucket. Interior circuit boards are epoxied to prevent condensation. Optimize circuit and heat dissipation to lower heat inside to prevent condensation. Revised locking ring on lens for better waterproof seal. DOT / SAE Certified Turn signal lights with Osram LEDs, instead of cheap Chinese brand LED diodes that does NOT pass Complete headlight Officially DOT / SAE FMVSS108 Certified. Competitor's Headlight does NOT pass, as per our own and also official 3rd party testing. Universal fit black headlight bucket 11. All of our High Beam, Low Beam & Turn Signal LEDs used are OSRAM. Competitor uses all Chinese brand LEDs The weather cover (black bucket on the back) is a new shape so it fits ALL W900 and T600 trucks even with the hood brace that got in the way on some models before.

PRODUCT	PROBLEM	SOLUTION
TLED-H6 TLED-H7	The low beam is not as powerful as the last version.	It was redesigned a few years ago to make it fit more easily in all of the trucks. In this redesign, the factory used new diodes which unfortunately made it less bright.
TLED-H120 TLED-H121 TLED-H122 TLED-H123	I want to attach a strobe to the H120 series	Attach the strobe mechanism TU-1007 from the truck to the yellow (or red) wire. Turns any LED to a 3 impulse strobe.
TLED-H3 TLED-H70 TLED-H77 TLED-H51 TLED-H64 TLED-H53	It is not fitting into the bucket (Freightliner Coronado).	Ask if they are using the OEM bucket or an after-market bucket?
Any Universal H/L Quadruple system TLED-H6 TLED-H7 TLED-H73 TLED-H75 TLED-H25 TLED-H32 TLED-H11 TLED-H12 TLED-H1 TLED-H2 TLED-H71 TLED-H5	<p>Setting up the Low and high beam when using combo lights in a Quadruple light system:</p> <p>The High Beam is not strong enough on the combo ECONOMY (Hi-Intensity) lights (these are NON-DOT).</p>	<p>1. If you don't find the high beam powerul enough, you can connect it to the low beam socket by making a Y wire connecting the inner high beam and outer low beam together. Once joined, you then connect them both to the outer low beam socket.</p> <p>2. This is done so that the inner high beam light will receive the hi and low beam signal enabling all diodes (low and hi) to light up.</p> <p>3. We do no suggest splicing any wires since it will void the warranty, so we suggest using adapters and extensions.</p> <p>Trucks with quadruple headlight system have hi and low coming from the outer lights and only hi coming from the inner lights. Our two function universals are designed for both high and low function so they can both connect to the lo and hi beam signal which in these trucks only comes out from the outer low beam light.</p>

PRODUCT	PROBLEM	SOLUTION
All Headlights	I hear Radio Interference in my radio (usually an issue with motorcycles).	<ol style="list-style-type: none"> 1. We suggest attaching a TU-1038 Ferrite coil to the radio's wiring. 2. If after attaching one you still hear interference; we suggest adding more of them. <p>Ferrite Coils are magnets that surround the wire and reduce the interference of radio frequencies coming from the LED light. It is an issue with after-market and more sensitive radios. In electronics, a ferrite core is a type of magnetic core made of ferrite on which the windings of electric transformers and other wound components such as inductors are formed. It is used for its properties of high magnetic permeability coupled with low electrical conductivity (which helps prevent eddy currents).</p>
All Headlights	Condensation in the lens.	<ol style="list-style-type: none"> 1. It is normal for LED lights to sometimes develop condensation. It will usually go away after a while. However, if there is significant water collecting in the HL, then it may be covered under warranty. 2. When replacing with the new headlight, the customer must also replace the housing. <p>When lights are hot, it is fine, but when cold, the silicon or glue around the light shrinks allowing water or moisture to get inside.</p>
All Headlights	Oxidation on the housing - salt and sand.	As long as the light is functioning properly, it is fine. You can simply clean away the salt and mud.

PRODUCT	PROBLEM	SOLUTION
Universal H/L Assemblies Universal TLED-H120-H121-H122-H123 Retro TLED-H104-H105-H106-H107 PET 389 TLED-H110-H111-H112-H113 Cascadia TLED-H66-H67-H68-H69 Century TLED-H49-H50-H57-H58 TLED-H13-H14-H15-H16 Volvo TLED-H17-H18-H19-H20 TLED-H45-H46-H54-H55	Installing a Headlight Assembly (Cascadia, Volvo, Freightliner etc).	<ol style="list-style-type: none"> Before installing, adjust any wiring on your new Trux headlight to meet any lighting configuration that you may want - specifically marker or turn signal options. Open the hood. Unplug the OEM Wire from the current OEM light you are replacing. Unscrew the headlight from its cavity: <ol style="list-style-type: none"> This may prove challenging as: <ul style="list-style-type: none"> Screws and bolts may be rusted over if they have been untouched for many years. They may be hard to reach. You may want a long arm socket wrench Be mindful that rust may make the bolts brittle or unthreaded. You may need pliers and or a hammer to twist and pull them off. Save the bolts and washers if they are in good shape. While Trux supplies the hardware, you may need some extra pieces. Remove the OEM headlight and place in a secure place. Lift your new Trux Headlight into the cavity while passing the OEM plug through the wire hole (if there is one). Place your new Trux Headlight into the same position as the OEM. Line up the screw holes. Using the new hardware, screw the headlight into position, but keep it loose. Attach your new Trux Headlight's OEM harness into the OEM plug or socket of the truck. Turn on the truck and test the lights to make sure they function as indicated. <ol style="list-style-type: none"> Test low beam, high beam, turn signal, marker and halo. Adjust the aim of your headlight (against a wall or garage door). Tighten all bolts and screws until the headlight is securely in place.

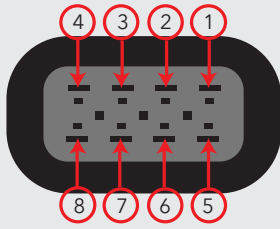
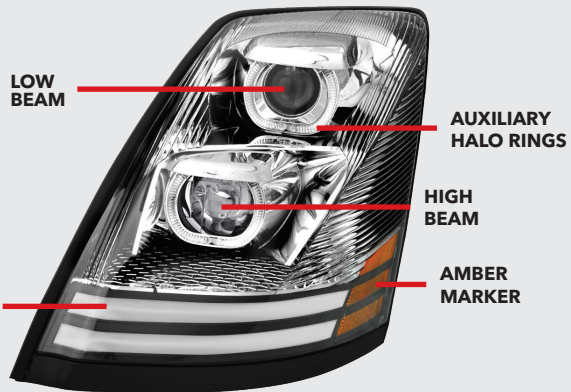
PRODUCT	PROBLEM	SOLUTION
Universal H/L Assemblies Universal TLED-H120-H121-H122-H123 Retro TLED-H104-H105-H106-H107 PET 389 TLED-H110-H111-H112-H113 Cascadia TLED-H66-H67-H68-H69 Century TLED-H49-H50-H57-H58 TLED-H13-H14-H15-H16 Volvo TLED-H17-H18-H19-H20 TLED-H45-H46-H54-H55	Installation Instructions	<ol style="list-style-type: none"> 1. Lift the hood 2. Unplug the old headlights 3. Unscrew and/or unclamp the old headlights (depending on your set up. 4. Save screws and clamps 5. Install the new Trux headlights in the housing 6. Screw and clamp them in (loosely until after the testing is done in case you need to aim them or remove them. 7. Plug them in 8. Test them to make sure the wiring is correct for high beam/low beam/Auxiliary/DRL 9. Test the aim of the beams and adjust if necessary 10. Once they are all working properly, screw and/or clamp them in securely
Cascadia Fog Lights TLED-H36 TLED-H37 TLED-H28 TLED-H29 (2008-2016)	Installation Instructions	<p>These fog lights are OEM Replacement # A06-51909-000/001. They are a pretty simple Plug & Play assembly. Provided you have the correct year of truck (Cascadia 2008-2016), you simply remove your previous foglights and install these using the screws and nuts along the perimeter of the light's frame.</p> <p>The HALO accent male bullet plug can either be</p> <ol style="list-style-type: none"> 1. Connected to the auxiliary of the truck 2. Connected to the foglight function 3. Can be ignored.

PRODUCT	PROBLEM	SOLUTION
PET 389 headlights TLED-H110 TLED-H111 TLED-H112 TLED-H113	Installation Instructions	<ol style="list-style-type: none"> 1. Unplug headlight wire harness from the end of the frame at the hood hinge 2. Remove clamps holding wire harness to the hood 3. Remove the nuts on the headlight studs from inside the hood <ol style="list-style-type: none"> a. If the studs themselves back out you can re-insert them during install using lock tite 4. Pass the headlight harness through the hood and remove headlight housing from truck 5. On the workbench remove the 2 large Phillips head screws holding the rear facing turn signal 6. Once the signal is out you will see the screws holding in the headlight bezel (REMOVE) 7. Once the bezel is off you can remove the headlight lamp using a torx bit or Phillips bit screwdriver 8. Unplug factory harness from the OEM head lamp 9. Clean the housing thoroughly and polish if needed 10. Reinstall headlamp plugging TRUX light into factory harness <ol style="list-style-type: none"> a. You will have one extra 3157 plug for turn signal that is not used I suggest taping it so it does not cause a short inside the housing. 11. With the headlight laying on the tire plug in the headlight and make sure everything works after being cleaned and changed out. 12. Reinstall headlight bezel 13. Reinstall rear facing turn signal 14. Pass harness through hole in the hood 15. Reinstall headlight to the truck 16. Fasten harness in place and plug it back in permanently add dielectric grease to all connections

PRODUCT	PROBLEM	SOLUTION
PET 389 Headlights TLED-H110 TLED-H111 TLED-H112 TLED-H113	<p>High and Low beam staying on ALL THE TIME.</p> <p>High beam not turning off when returned to Low beam.</p>	<p>They are very random (1 in 100). They would have to take the truck to the dealership and clear the codes of the ECM. Due to who knows what happened previous to installing the headlights on their truck. Truck drivers add a lot useless accessories. It's just not the headlights it's all the other lights that were put on the truck maybe with wiring that wasn't proper. And just for another note it's hard to diagnose a truck over the phone, especially one with an ECM unit.</p> <p>The whole truck is one big computer. Any short anywhere can cause little screwball problems. Wrong wires briefly touching during install, a bad tail light, a sloppy install in an interior light. Any of these can confuse the ECM and send incorrect signals. If I'm right it has to be taken to a dealership and have the ECM flashed for codes then see if the problem persists.</p>
PET 389 Headlights TLED-H110 TLED-H111 TLED-H112 TLED-H113	<p>HIGH BEAM and/or LOW BEAM is FLASHING continuously like a non-stop strobe.</p> <p>HIGH BEAM strobing/flickering even when only the LOW BEAM is on.</p>	<p>1. It may be a DRL issue. In order to test it, the dealer can go into the ECM software and "TURN OFF" the DRL option on the truck. Then try the headlights again. If the problem stops then the issue is certainly the DRL.</p> <p>Other possible issues could be:</p> <ul style="list-style-type: none"> a. Bad ground inside the light b. Additional electronics that have been added to the truck and are interfering . High powered light bars and electrical systems for dump trucks or specialty vehicles can cause low voltage pulses in the ground of the truck <p>Did they try multiple lights or the same one repeatedly?</p> <p>2. On both Headlights, a 30 Amp relay had to be installed between the flasher and the headlight system.</p>
PET 389 Headlights TLED-H110 TLED-H111 TLED-H112 TLED-H113	<p>Light not turning on.</p>	<p>Check pins in the OEM plug and make sure they are not pushed back too much that they don't connect properly.</p>

PRODUCT	PROBLEM	SOLUTION
Retro Series TLED-H104 TLED-H105 TLED-H106 TLED-H107	Aiming instructions	To aim the headlight, remove the chrome bezel, and you'll see a screw above each headlight to adjust up and down to point the whole system. The side to side aiming should be done by rotating the whole housing. Once it is aimed properly, then tighten the bolt under the housing very tight and check all bolts on the inside that they haven't loosened from the work you've done. Zip tie, or cable brace all of your wires back into place and you're all done.
Retro Series TLED-H104 TLED-H105 TLED-H106 TLED-H107	JJ Bracket Issues	We are not sure the headlight will work on JJ or United Brackets. The bolt holes for those brackets are at an odd angle that would seemingly tilt the headlight too far up in the air. This needs to be addressed
TLED-H53	I have a 5th green wire	Attach the green wire to the red wire and connect them to the white wire. This green wire was originally intended as a turn signal halo, but it cannot be used that way as all turn signals have to be amber. Also, if you want to keep the Halo as an auxiliary, simply attach the green and red wire together. TO GET IT WORK NORMALLY AS AN AUXILIARY LIGHT YOU NEED TO WIRE BOTH RED AND GREEN TOGETHER.
Cascadia LED TLED-H66-H67-H68-H69	CASCADIA Missing Harness included in the box	TU-1042 - Cascadia Harness
Volvo LED TLED-H17-H18-H19-H20	VOLVO Missing Harness included in the box	TU-1044 - Volvo Harness - ONLY NEED FOR LED Versions
TLED-H120-H121-H122-H123	The bucket is too big for my Kenworth - there's a problem with some Kenworth hoods where an internal brace is in the way of being able to put the bucket in.	The customer can modify his bucket to fit by cutting it. Or he can install them without the bucket and weather proof all of the connections with heat shrink.

FREQUENTLY ASKED QUESTIONS

PRODUCT	QUESTION	ANSWER
Universal Headlights & Assemblies with H4 Connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51 TLED-H38-H56-H63-H33 TLED-H47-H72 TLED-H26-H27-H48K	Can I replace the bulb if it burns out?	Yes for halogen and no for LEDs since they are sealed units.
Volvo LED H/L Assemblies TLED-H17 TLED-H18 TLED-H19 TLED-H20	What is the wiring configuration?	<div>  <ul style="list-style-type: none"> 1. High Beam: Blue Wire 2. Low Beam: Red Wire 3. Side Marker: Green/White Wire 4. Signal: Green/Yellow Wire 5. Driving Lamp: Red Wire 6. N/A 7. N/A 8. Ground Wire: Black Wire </div> <div>  </div>

FREQUENTLY ASKED QUESTIONS CONTINUED

PRODUCT	QUESTION	ANSWER														
Any Universal H/L Quadruple System TLED-H6 TLED-H7 TLED-H73 TLED-H75 TLED-H25 TLED-H32 TLED-H11 TLED-H12 TLED-H1 TLED-H2 TLED-H71 TLED-H5	Can you mix LED with Incandescent bulbs i.e. 2 halogens with 2 LEDs?	<p>Yes, but you may have issues and error messages with your trucks computer because of the different wattage drains between halogen and LED. A TU-1039 MAY correct this, but it may not.</p> <table><tr><th>LED BULB</th><th>HOUSING</th><th>HEAT SINK</th><th>SPACE</th><th>BUCKET</th><th>WIRE HOLE</th><th>HL CAVITY</th></tr><tr><td>Heat accumulates at the back of the H/L, not in the front like it does for halogen or incandescent bulbs.</td><td></td><td>Heat escapes through the "Heat Sink" exit (like a pressure cooker)</td><td>This heat gathers in a small space between the housing and the bucket where it accumulates.</td><td></td><td>The accumulated heat ultimately escapes through the wire hole at the back of the bucket, into the air through the H/L cavity.</td><td></td></tr></table>	LED BULB	HOUSING	HEAT SINK	SPACE	BUCKET	WIRE HOLE	HL CAVITY	Heat accumulates at the back of the H/L, not in the front like it does for halogen or incandescent bulbs.		Heat escapes through the "Heat Sink" exit (like a pressure cooker)	This heat gathers in a small space between the housing and the bucket where it accumulates.		The accumulated heat ultimately escapes through the wire hole at the back of the bucket, into the air through the H/L cavity.	
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Universal Headlights & Assemblies with H4 Connectors: TLED-H120-H121-H122-H123 TLED-H104-H105-H106-H107 TLED-H11-H12 TLED-H6-H7 TLED-H73-H75 TLED-H1-H2 TLED-H5-H71 TLED-H4-H74-H52 TLED-H3-H70-H64-H53-H77-H51 TLED-H38-H56-H63-H33 TLED-H47-H72	How hot does the LED Headlight get?	<p>1. The temperature of these lights have never been measured as heat has not been an issue - no lights have ever exploded because of too much heat.</p> <p>2. For LED headlights, the heat accumulates in the back compared to halogen or incandescent where the heat accumulates in the front. To handle this, the heat travels through the 'heat sink' into a small space between the housing and the bucket. It then escapes the H/L area through the wire hole in the back of the bucket - see accompanying image.</p>														

FREQUENTLY ASKED QUESTIONS CONTINUED

PRODUCT	QUESTION	ANSWER
TLED-H51 TLED-H7	What is the H/L beam diode configuration for the H51/H7 for Low and High settings?	Low Beam should look like a "T" shape with 7 diodes - The top row of 5 diodes across with the center column of 2 diodes down. High Beam should be all 15 diodes on
TLED-H4 TLED-H65	What is the H/L beam diode configuration for the H4/H65 for Low and High settings?	Low Beam: Top row of lights. High Beam: BOTH rows of lights.
TLED-H25 TLED-H32	What is the H/L beam diode configuration for the H25/H32 for Low and High settings?	Low Beam: Top row of lights. High Beam: BOTH rows of lights.
All Headlights with Auxiliary Halo Functions.	How do I get the HALO Light to work?	Simply attach the red wire to a positive line.
All Headlights	How do I melt snow off my LEDs? How do I prevent snow from accumulating on my LEDs?	<ol style="list-style-type: none"> 1. Spraying them with pam cooking spray, WD40 or 'Fabulous PB Blaster' before you head out. This will help stop them from freezing as the snow will not stick. 2. Spray all Lights, Tag, Grill & Wipers with DE-ICER before driving. This should last about half a day. 3. Clean Headlights, wax with McQuires paste wax when it's dry outside. Doesn't prevent it totally but it may run at least 8 hours without it building up.

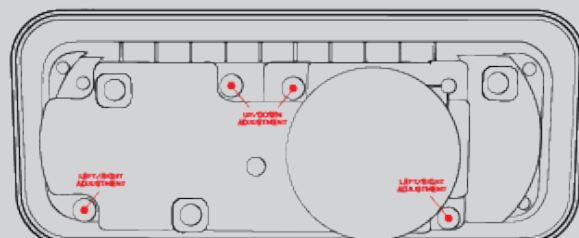
FREQUENTLY ASKED QUESTIONS CONTINUED

PRODUCT	QUESTION	ANSWER
Headlight Assemblies Universal TLED-H120-H121-H122-H123 Retro TLED-H104-H105-H106-H107 PET 389 TLED-H110-H111-H112-H113 Cascadia TLED-H66-H67-H68-H69 Century TLED-H49-H50-H57-H58 TLED-H13-H14-H15-H16 Volvo TLED-H17-H18-H19-H20 TLED-H45-H46-H54-H55	How do you adjust the headlight beam?	<p>The headlight must be in the housing when adjusting the beam to aim it accurately.</p> <ol style="list-style-type: none"> 1. Since the adjustment pins are not reachable when the headlight is in the housing, it is recommended that you make your adjustments before you place it in the housing. 2. You can start with one light by aiming it against a wall at night from a minimum of 30 feet. 3. Adjust the beam using the aiming screws in the back. 4. Once you are satisfied, mark the top of the beam with some tape. 5. Place the next light in the same position and adjust until the top of the beam matches the level of the tape. 6. Once you make these preliminary adjustments, place the headlights in the housing but only attach it partially using 2 screws. v7. Once the headlight is in the housing, examine the beam and decide if it still needs adjusting. If so, remove it, make more adjustments, and re-install it again securing it using only 2 screws. 8. Repeat this process until you are satisfied with the aim of the both beams. 9. Once you are, you can then complete the rest of the steps of your headlights installation until it is fully secure.

EXPLANATION

6) ADJUST THE HEADLIGHT BEAMS

The headlight beam can be adjusted with the provided 4mm socket driver. Adjust the pins clockwise or counter clockwise at the locations shown below.



PROVIDED 4mm
SOCKET DRIVER

UP/DOWN HEADLIGHT ADJUSTMENTS



LEFT/RIGHT HEADLIGHT ADJUSTMENTS

