



Jaguar XKE Series 1 and 1.5 LED Tail Lights Installation Instructions

- 1) Refer to the parts list at the last page of these instructions and verify that the set is complete.
Note: These sets come in either positive (yellow wire) or negative (black wire) ground configuration. Check that you have the correct set before starting the installation.
- 2) We recommend that the tail light functions be verified to operate correctly before installing the LEDs. If possible measure the voltage levels for the running and brake lights at the tail lights. They should be within a few 10ths of a volt compared to the battery voltage. If not you may have wiring issues that should be addressed.
- 3) LED tail light turn signals usually require an updated flasher unit to work properly. Negative ground cars can use an electronic or electromechanical flasher. Positive ground cars must use an electromechanical flasher. Here is a list of flasher units that have proven to work correctly.
Electromechanical Flasher:

Tridon EL12	2 pin connectors
Tridon EL13	3 pin connectors

Electronic Flasher:

Bussmann 232	2 pin connectors
Bussmann 233	3 pin connectors
- 4) We suggest that you evaluate the condition of the tail light lens gaskets and if necessary order new ones before starting installation. Here is the XKs Unlimited (www.xks.com) part number.
Lens Gasket (2ea.): #JA8620
- 5) Remove the tail light lenses and bulbs. Remove the vinyl floor covering in the boot and the two plywood panels covering the spare tire and fuel tank to gain access to the wiring connections behind the tail light assemblies.
- 6) Disconnect the three wires to the bulb holders (red, green/purple, green/white). Push these wires out through the lens side of the tail light. Save these in case you want to restore the tail lights to their original state.
- 7) Take one of the circuit boards with the red, blue, and black wires. This is the park/brake board. Remove the red covers off of the double sided tape on the back side of the circuit board.
- 8) Insert the wires back through the bulb socket and tilt the circuit board sideways into the tail light. The curved end of the circuit board is inserted inside the reflector while the square end faces the outside of the reflector. Push the curved part of the circuit board into the inside curved part of the tail light and then press the board



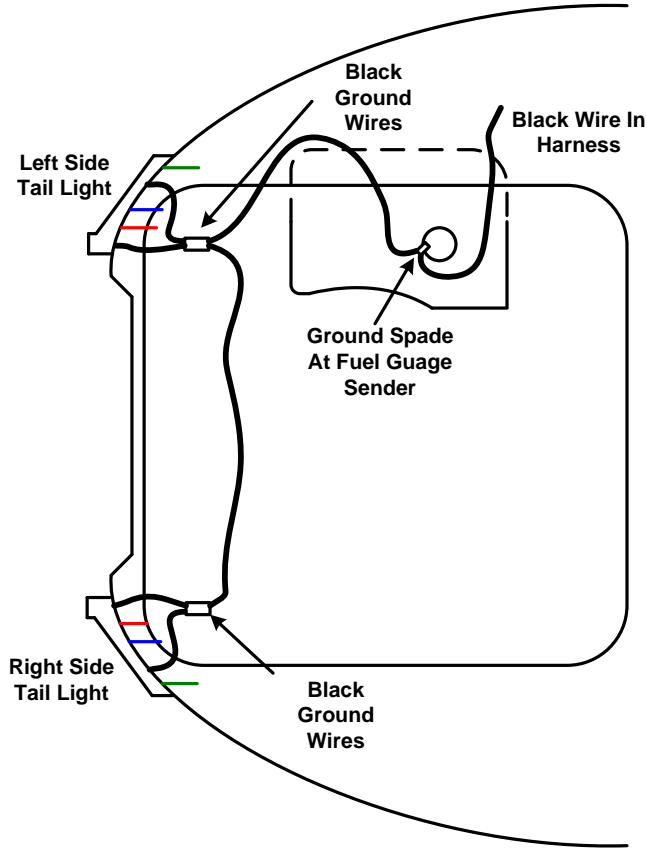
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down so that the tape contacts the tail light reflector at both ends. You may want to add a spot of silicon adhesive or hot melt glue to each side for extra holding power.

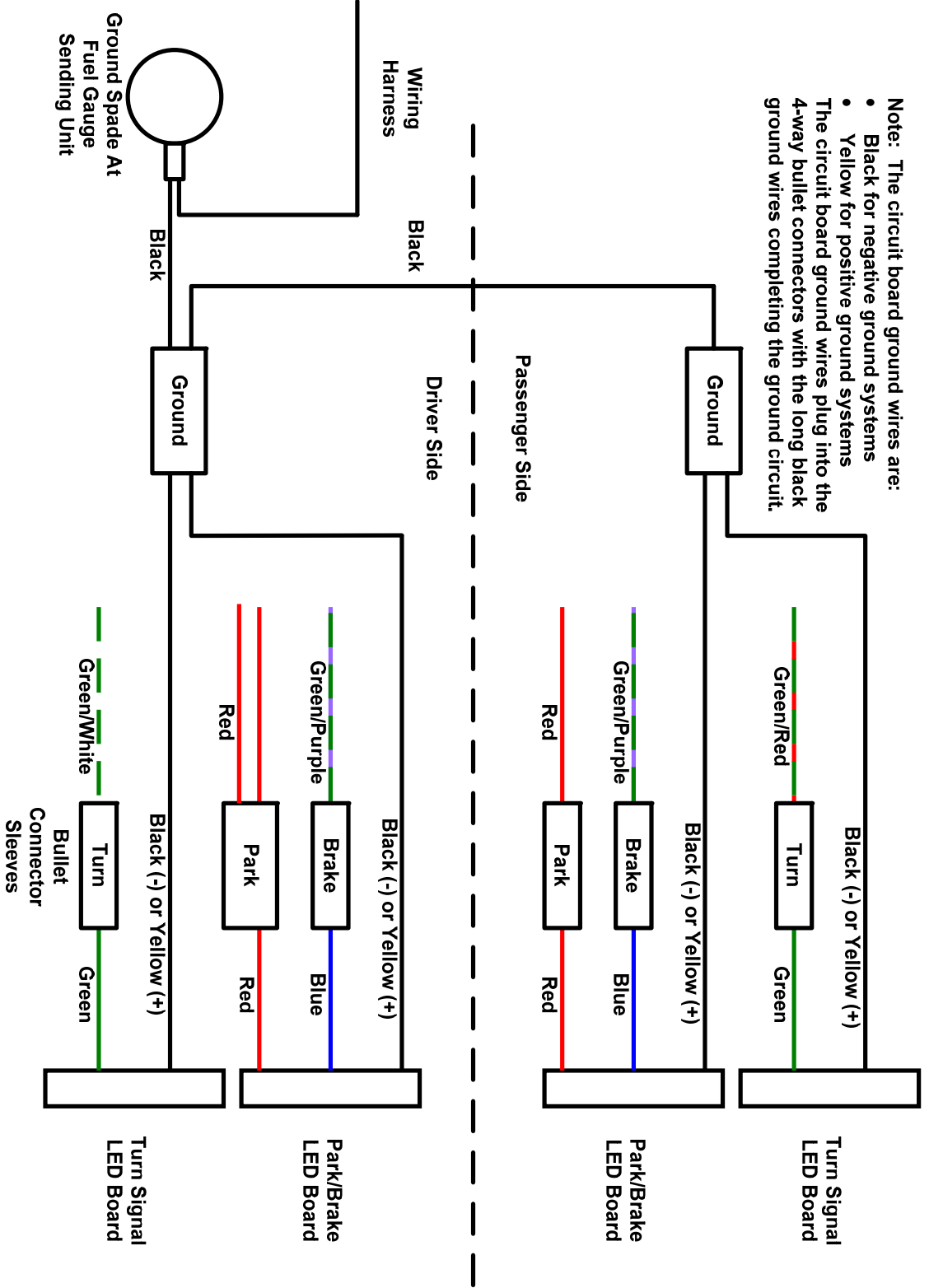
- 9) Take one of the circuit board with the green and black wires. This is the turn signal board. Repeat the above process for this board.
- 10) Install the lenses and gaskets.
Note: Some aftermarket replacement lenses aren't necessarily made to the original specifications. Check that the lens fit properly on the tail light. If there is a problem it would be with the park/brake LEDs touching the angled barrier in the middle of the lens. It might require a small amount of grinding the lens for clearance.
- 11) Repeat steps 4 through 9 for the other side of the car.
- 12) Start at the passenger side of the car and connect the red, blue, and green wires as shown in the included wiring diagram. Take the long black wire with the bullet connectors on each end and plug all three black wires into the included 4 way bullet connector sleeve.
- 13) Move to the driver side and connect the red, blue, and green wires per the wiring diagram. Connect the long black wire from the passenger side and the two black wires from the LED boards into the included 4 way bullet connector sleeve. The remaining black wire with the bullet connector end plugs into the last spot in the 4 way connector. The black wire end with the female spade connector plugs on to the ground wire connection at the fuel gauge sending unit. Remove the wiring harness ground wire; plug the new ground wire onto the lug then plug the wiring harness black wire onto the new spade connector. Refer to the following drawing and photo for an overview of the ground wires layout.



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- Note: The circuit board ground wires are:
- Black for negative ground systems
 - Yellow for positive ground systems
- The circuit board ground wires plug into the 4-way bullet connectors with the long black ground wires completing the ground circuit.



Jaguar E-Type Series 1 and 1.5

Parts List

Description		Qty
1	4 way bullet connector sleeve	2
2	Brake/parking light circuit board	2
3	Turn signal circuit board	2
4	4' 6" Black ground wire	1
5	3' 6" Black ground wire	1
5	Installation instructions and wiring diagram	1

