

TARGA STREETFIGHTER DUAL HEADLIGHT KIT –GLADIUS 650 2009 +  
INSTALLATION INSTRUCTIONS – Read completely before proceeding.

Requires cutting of brake line wire loop from OEM headlight mount bracket.

1. Remove the stock headlight as follows:

Remove the two 6 x 10mm Allen button shoulder screws holding the silver trim panels to the tubular headlight mounting cage and remove the panels. Remove the two 6 x 13mm hex shoulder screws holding the headlight assembly to the mounting cage bracket and pivot the headlight fully forward.

2. Disconnect the main headlight connector plug from the headlight, and the turn signal and running light connectors from the wiring harness. Next, remove the four Phillips head self-tapping screws from the front instrument cover and remove the cover. Remove the small Phillips screw holding the instrument wire bundle to the housing, remove the rubber boot and disconnect the snap plug connector from the housing.

3. Remove the two 6mm hex head bolts holding the bottom of the headlight mounting cage to the lower triple clamp. Pull down on the headlight and bracket assembly to free it from the upper triple clamp rubber cushion. Next, carefully cut the 1/8" diameter welded wire loop holding the front brake hose to the tubular mounting cage. Use tape or a cable tie to hold the brake hose to the rear of the wire loop before cutting and be sure to protect the brake hose. With a hacksaw, die grinder or bolt cutter, cut the wire close to the front weld and open the loop enough to release the brake hose. Remove the headlight and mounting cage completely from the bike, reconnect the instrument wire bundle connector, rubber boot and wire retaining screw. Replace the instrument cover, four Phillips screws and tighten securely.

LIGHT INSTALLATION:

1. Install the self-adhesive rubber strips to the inside of the male and female fork mounting brackets as follows: On the female outer bracket install the two thin 3/8" x 2 1/2" strips as shown, and on the male inside bracket, install the 1" x 2 1/2" strips. Install a piece of masking on each fork tube with the top of the tape 2 1/4" above the top of the lower triple clamp. Place one pair of brackets over the fork leg with the tang of the inner (male) bracket in the third slot of the outer bracket. With the bracket positioned at the top of the masking tape, and the outer bracket facing straight forward, install the 6mm x 30mm Phillips screw thru the bracket halves and fasten on the inside with the 6mm Hex nut. Tighten securely to hold the brackets in place.

2. Install the self-adhesive rubber washer to the side threaded mounting hole on the chrome housing. Position the headlight (wiring holes down) between the fork brackets and insert an 8mm x 16mm allen button screw with 8mm external lockwasher and 8mm x 20mm large OD flatwasher thru the slot in a bracket side, place the tab washer as shown on the inside with the tab in the slot and thread the screw into the threaded insert of the housing. Repeat on the opposite side. Then slide the headlight fully forward, level the light and tighten both 8mm screws securely.

3. Remove the Phillips head screw on the underside of the right side headlight housing and carefully remove the trim ring and lamp assembly from the housing. Insert the stock 3 prong headlight connector plug into the large rear hole of the right housing and plug it fully into the female connector plug. To connect the running light, cut the male bullet connectors from the black and red wires of the light and connect to the running light wires on the headlight wire harness using the supplied quick lock connectors. Replace the trim ring and lamp assembly, be sure no wires are pinched, replace the screw and tighten securely.

## TARGA STREETFIGHTER DUAL HEADLIGHT KIT - SUZUKI GLADIUS 2009 + continued

## TURN SIGNALS INSTALLATION:

1. Connect the supplied Signal Adapter Cable snap connectors to the OEM turn signal connectors. Gray plug is left signal, black plug is right signal. Install the rubber grommets into the large holes of the head light bracket and put the nylon bushing into the grommet hole. Insert the turn signal stud thru the nylon bushing, install the 8mm small OD flatwasher, split lockwasher and 8mm hex nut onto the stud, level the signal and tighten the hex nut securely. Connect the male bullet connectors on the signal wires to the female bullet connectors of the Signal Adapter cables.
2. Gather the left and right turn signal wires and adapter cables into a neat bundle and secure with the 5" cable ties. You may want to shorten the adapter cables to make a smaller bundle by cutting the wires, remove a section and resplice using the supplied red Butt wire connectors. Finally, join the signal wire bundles with the headlight wires into a small group between the headlight wire openings. Wrap the wire bundle with the supplied Vinyl Wire Wrap with the narrow rigid end first, then continue to wrap the wires and overlap the ends of the Vinyl cover. Secure the Vinyl with an 8" cable tie near each side end and tighten the cables. Turn the front wheel fully left and right and observe the Vinyl wrap and wires to be sure they do not rub, contact or interfere with anything that might restrict the movement when turning the wheel. If necessary, readjust the wiring for clearance. **DO NOT RIDE THE BIKE IF THERE IS ANY WIRING INTERFERENCE. CORRECT IMMEDIATELY.**
3. Check the headlight hi/low beams for proper operation, adjust the headlight aiming. Check the turn signals for proper left and right operation. Correct if necessary. Periodically check all fasteners to insure they remain tight. Inspect wiring bundle for turning clearance.

## Material List

Item #	Description		Qty.
1	Dual 4" Halogen Headlight Assy – chrome	#07-4231c	1
2	Headlight brackets – Adjustable – chrome	#07-4033c	1pr
3	Mini Cat-eye turn signals, black /clear lens	#07-9306b/c	1pr
4	Turn Signal Adapter Cables - (not shown)	#07-3230	1pr
5	Vinyl Wire Wrap Sleeve	#24-1018	1
6	Rubber Gasket set 8 piece, self-adhesive	#07-4035r	1
7	Stamped Aluminum Tab Washer	#24-1015	2
8	Nylon T/signal Bushing ½" OD x ¼" long	#NSP ½ x ¼	2
9	8mm x 16mm Allen Button Screw		2
10	8mm x 20mm large OD flatwasher		2
11	8mm External Lockwasher		2
12	Rubber Grommet 1" OD x ½" ID		2
13	5" Nylon Cable Tie -Black (not shown)		2
14	8mm x 16mm small OD flatwasher		2
15	8" Nylon Cable Tie – black		2
16	Butt wire Crimp Connector – red (not shown)	(not shown)	4
17	Quick Splice Wire Connector – red (not shown)	(not shown)	2

