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**PART NO. 41-174A****FRONT FENDER RED LIGHTS****CAN-AM SPYDER 2013-NEWER "S" AND LIMITED MODELS**

8/30/2018

TOOLS NEEDED:	JACK OR BIKE LIFT	13/16" LUG WRENCH	8MM WRENCH	T25 TORX DRIVER	T27 TORX DRIVER
	FLATHEAD SCREWDRIVER	WIRE STRIPPER/CRIMPER	RUBBING ALCOHOL	LINT FREE TOWEL	HEAT GUN (OPTIONAL)
	PLIERS	M10 SOCKET	6" SOCKET EXTENSION	SOCKET WRENCH	

**PLEASE READ THROUGH AND UNDERSTAND THESE INSTRUCTIONS BEFORE BEGINNING.****ESTIMATED INSTALLATION TIME: 90 TO 120 MIN.****INSTALLATION:**

1. SET PARKING BRAKE AND REMOVE THE KEY FROM THE IGNITION.
2. DISCONNECT THE POSITIVE CABLE ON THE BATTERY.
3. STARTING ON THE RIGHT SIDE OF THE SPYDER JACK UP THE FRONT END AND REMOVE THE THREE LUG NUTS. REMOVE THE WHEEL.
4. USING AN 8MM WRENCH REMOVE THE THREE HEX HEAD SCREWS ON THE BOTTOM SIDE OF THE FRONT FENDER. SEE FIG. 1.
5. USING A T25 TORX DRIVER REMOVE THE TWO SCREWS SHOWN IN FIG. 1.
6. LIFT UP THE FENDER TRIM ON THE TOP OF THE FRONT FENDER.
7. FOLLOW THE WIRES FROM THE FRONT MARKER LIGHT TO A CONNECTOR AND UNPLUG THE LIGHT.
8. USING A PLIERS REMOVE THE TWO SPRING CLIPS ON THE INSIDE OF THE FENDER TRIM HOLDING THE RED REFLECTOR. REMOVE THE REFLECTOR.
9. CLEAN THE AREA ON THE FENDER TRIM WITH RUBBING ALCOHOL AND A LINT FREE TOWEL AND LET DRY. MAKE SURE ALL WAX IS REMOVED FROM THE SURFACE BEFORE ATTACHING LIGHT.
10. FEED THE CABLE FROM THE RIGHT LIGHT THROUGH THE HOLE IN THE FENDER TRIM. SEE FIG.2.
11. TEST FIT THE LIGHT ON THE FENDER TRIM. THEM REMOVE THE MASKING FROM THE TAPE AND ATTACH IT TO THE FENDER TRIM.
12. PRESS THE LIGHT FIRMLY TO THE FENDER TRIM TO MAKE SURE TAPE MAKE FULL CONTACT.
13. REINSTALL THE FENDER TRIM ON THE FENDER IN THE REVERSE ORDER YOU REMOVED IT. FEED THE NEW LIGHTS CABLE THROUGH THE CHANNEL GOING TO THE INSIDE OF THE FRONT FENDER. BE SURE AND RECONNECT THE FRONT MARKER LIGHT.
14. REINSTALL ALL OF THE SCREWS AND PUT THE FRONT WHEEL BACK ON THE SPYDER. BE SURE TO TORQUE THE LUG NUTS PER OEM SPECS.
15. LET THE SPYDER DOWN AND REMOVE THE JACK.
16. REPEAT STEPS 3 THROUGH 15 ON THE LEFT SIDE.
17. OPEN THE SEAT AND OPEN THE FRONT TRUNK ON THE SPYDER. SEE FIG. 3.
18. REMOVE BOTH MIRRORS AND UNPLUG THE CONNECTORS FOR THE MIRROR LIGHTS. SET THE MIRRORS ASIDE.
19. REMOVE THE PLASTIC RIVETS HOLDING THE RIGHT AND LEFT ACCESS PANELS AND REMOVE THE PANELS. SEE FIG. 3.
20. REMOVE BOTH SIDE PANELS. SEE FIG. 3.
21. USING A T27 TORX DRIVER REMOVE THE FOUR SCREWS ON EACH SIDE HOLDING THE TOP PANELS TO THE SPYDER. REMOVE THE TOP PANELS. SEE FIG. 3.
22. NEXT REMOVE THE SIX T27 TORX SCREWS HOLDING THE FRONT FASCIA ON THE SPYDER. SEE FIG. 4. REMOVE FRONT FASCIA AND SET ASIDE.
23. STARTING WITH THE RIGHT SIDE REMOVE BRASS HEX NUT HOLDING THE RIGHT HEADLIGHT ADJUSTER. IT IS MOUNTED UNDER THE SIDE PANEL.
24. USING A M10 SOCKET WITH AN EXTENSION REMOVE THE FOUR BOLTS HOLDING THE RIGHT HEADLIGHT TO THE SPYDER. SEE FIG. 5.
25. PULL THE HEADLIGHT FORWARD SO THAT YOU CAN ACCESS THE WIRING FOR THE MARKER LIGHT. SEE FIG. 5.
26. TAKE THE CABLE FROM THE RIGHT LIGHT AND FEED IT ALONG THE FRONT SUSPENSION AND UP TO THE BACK OF THE HEADLIGHT. USE THE WIRE TIES SUPPLIED TO SECURE THE CABLE TO THE SPYDER. BE SURE YOU CAN FULLY TURN THE HANDLEBARS WITHOUT PINCHING OR PULLING THE CABLE.
27. ATTACH A T-TAP TO EACH OF THE TWO WIRES COMING OUT OF THE MARKER LIGHT.
28. ATTACH A THIRD T-TAP TO THE POSITIVE WIRE GOING TO TURN SIGNAL IN THE MIRROR. (THE POSITIVE WIRE IS NOT THE BLACK WIRE)
29. CRIMP ONE FLAT SPADE CONNECTOR TO EACH OF THE THREE WIRES IN THE RIGHT LIGHT CABLE. HEAT SHRINK CONNECTORS.
30. PLUG THE BLACK WIRE FROM THE LIGHT INTO THE T-TAP ON THE BLACK WIRE ON THE MAKER LIGHT.
31. PLUG THE BLUE WIRE INTO THE OTHER T-TAP ON THE MARKER LIGHT.
32. PLUG THE RED WIRE INTO THE T-TAP ON THE MIRROR WIRE.
33. PUT HEADLIGHT BACK IN PLACE AND INSTALL THE BOLTS. PUT THE HEADLIGHT ADJUST BACK TOGETHER AND TIGHT ALL OF THE FASTENERS.
34. REPEAT STEPS 23 THROUGH 33 ON THE LEFT SIDE OF THE SPYDER.
35. CONNECT THE BATTERY AND TEST THE FUNCTION OF THE NEW LIGHT.
36. REINSTALL ALL OF THE BODY PANELS YOU REMOVED IN REVERSE ORDER.
37. LET THE TAPE ON LIGHTS CURE FOR 24 HOURS BEFORE USING THE SPYDER.

