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PART NO. 41-301L

MINI LED LIGHT KIT

FITMENT: CAN-AM SPYDER F3, F3S, F3T, F3LTD 2015-NEWER

9/27/2017

TOOLS NEEDED:	2MM ALLEN WRENCH	4MM ALLEN WRENCH	5MM ALLEN WRENCH	10MM WRENCH	13MM WRENCH
	DRILL	5/16" DRILL BIT	13/16" DRILL BIT	WIRE CRIMPER/CUTTER	REMOVABLE THREAD LOCK
	JACK/RAMPS	MASKING TAPE	FLAT BLADE SCREWDRIVER	PEN OR FINE TIP MARKER	

**PLEASE READ THROUGH AND UNDERSTAND THESE INSTRUCTIONS BEFORE BEGINNING. USE REMOVABLE THREAD LOCK ON ALL SCREWS.**

**ESTIMATED INSTALLATION TIME: 60 TO 90 MIN.**

**INSTALLATION:**

1. REMOVE THE TWO MINI LIGHTS FROM THE KIT. USING A 2MM ALLEN WRENCH REMOVE THE THREE SMALL SET SCREWS. INSTALL THE LED BULB. APPLY A SMALL DROP OF REMOVABLE THREAD LOCK TO EACH SET SCREW AND REINSTALL THE SET SCREWS. CLEAN OFF ANY EXTRA THREAD LOCK.
2. USING A JACK OR RAMPS LIFT THE FRONT OF THE SPYDER HIGH ENOUGH TO WORK ON THE UNDER SIDE OF THE FRONT.
3. STARTING ON THE RIGHT SIDE USING A 10MM WRENCH REMOVE THE TWO BOLTS SHOWN IN **FIG. 1**. *NOTE: THESE BOLTS WILL NOT BE REUSED.*
4. PLACE A 4" LONG PIECE OF MASKING TAPE ON THE PAINTED SURFACE OF THE SPYDER AS SHOWN IN **FIG. 1**.
5. INSTALL THE RIGHT MOUNT USING TWO OF THE M6 X 40MM LONG ALLEN SCREWS SUPPLIED IN THE LIGHT KIT.
6. USING A PEN, MARK THE CENTER OF THE HOLE ON THE MASKING TAPE SHOWN IN **FIG. 2**.
7. REMOVE THE RIGHT MOUNT AND USING A DRILL AND A 5/16" BIT DRILL A HOLE THROUGH THE PAINTED BODY PANEL.
8. TAKE ONE OF THE PANEL NUTS FROM THE HARDWARE KIT AND INSTALL IT WITH THE FLAT SIDE DOWN AS SHOWN IN **FIG. 3**. YOU MAY NEED TO USE A SCREWDRIVER TO BEND THE PANEL DOWN ENOUGH TO GET THE PANEL NUT INTO PLACE. ALINE THE NUT WITH THE HOLE.
9. REINSTALL THE RIGHT MOUNT TO THE SPYDER USING THE TWO M6 X 40MM ALLEN SCREWS WITH LOCK WASHERS AS SHOWN IN **FIG. 4**. USE ONE OF THE M6 X 20MM ALLEN SCREWS WITH A LOCK WASHER THROUGH THE MOUNT AND INTO THE PANEL NUT YOU JUST INSTALLED. USING A 4MM ALLEN WRENCH TIGHTEN ALL THREE SCREWS. *NOTE: USE REMOVABLE THREAD LOCK ON ALL SCREWS.*
10. REPEAT STEPS 3 THROUGH 9 FOR THE LEFT MOUNT.
11. INSTALL THE MINI LIGHTS ON THE MOUNTS AS SHOWN IN **FIG. 4**. TIGHTEN ALL HARDWARE.
12. OPEN THE FRONT TRUNK AND REMOVE THE FOUR PLASTIC PUSH RIVETS HOLDING THE TRUNK LINER IN PLACE. REMOVE THE TRUNK LINER.
13. DISCONNECT BOTH BATTERY CABLES FROM THE SPYDER.
14. FIND A PLACE NEAR THE BATTERY TO MOUNT THE RELAY SUPPLIED WITH THE KIT. USE A ZIP TIE TO SECURE THE RELAY TO THE SPYDER.
15. TAKE THE TWO LONG BLACK WIRES AND THE TWO BULLET CONNECTORS THAT CAME WITH EACH LIGHT AND CONNECT ONE TO EACH MINI LIGHT. SEE **FIG. 5**.
16. ROUTE THE LONG BLACK WIRE TO THE RELAY AND CONNECT THEM AS SHOWN IN **FIG. 5**. *NOTE: THE MOUNTS HAVE HOLE TO ROUTE WIRES THROUGH OR TO USE AS TIE DOWNS. SEE FIG. 4.*
17. CONNECT THE OTHER TWO BLACK WIRES TO A GROUND ON THE SPYDER. *NOTE: SOME EXTRA WIRE MAY BE NEEDED FOR THIS.*
18. FIND A PLACE TO MOUNT THE SUPPLIED ROUND SWITCH. USING A 13/16" DRILL BIT DRILL A MOUNTING HOLE FOR THE SWITCH.
19. TAKE THE THREE WIRE HARNESS WITH THE BLUE, ORANGE, AND GREEN WIRES FROM THE KIT AND FEED THE END WITH THE THREE SPADE CONNECTORS THROUGH FROM THE INSIDE OF THE HOLE FOR THE SWITCH.
20. CONNECT THE THREE WIRES AS SHOWN IN **FIG. 5**. PUSH THE SWITCH INTO PLACE.
21. CONNECT THE BLUE WIRE FROM THE SWITCH TO THE RELAY. SEE **FIG. 5**.
22. CONNECT THE ORANGE WIRE TO A KEYED POSITIVE WIRE ON THE SPYDER USING THE T-TAP SUPPLIED WITH THE KIT.
23. ROUTE THE GREEN WIRE TO THE NEGATIVE TERMINAL ON THE SPYDER BATTERY. *NOTE: DO NOT CONNECT IT AT THIS STEP.*
24. TAKE THE HARNESS WITH THE RED AND THE GREEN WIRES AND CONNECT THE SPADE CONNECTORS TO THE RELAY. SEE **FIG. 5**.
25. ROUTE THE RED WIRE TO THE POSITIVE TERMINAL AND THE GREEN WIRE TO THE NEGATIVE TERMINAL ON THE SPYDERS BATTERY.
26. RECONNECT THE POSITIVE TERMINAL ON THE BATTERY INCLUDING THE NEW RED WIRE FROM THE RELAY.
27. RECONNECT THE NEGATIVE TERMINAL ON THE BATTERY INCLUDING BOTH NEW GREEN WIRES.
28. TURN THE KEY ON AND TEST THE FUNCTION OF BOTH LIGHTS.
29. REASSEMBLE THE FRONT TRUNK AND LOWER THE SPYDER TO THE GROUND.
30. ADJUST LIGHTS AS NEEDED AND MAKE SURE ALL HARDWARE IS TIGHT.
31. AFTER A SHORT RIDE RECHECK ALL FASTENERS AND MAKE SURE WIRING IS SECURE.

