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PART NO. 91-312/91-312L**DRIVING LIGHT KIT****HARLEY-DAVIDSON FLH 1996-NEWER**

8/31/2015

TOOLS NEEDED:	1/2" WRENCH	9/16" WRENCH	5MM ALLEN WRENCH	10MM WRENCH	13MM WRENCH
	13/16 DRILL BIT	DRILL	WIRE CRIMPER/CUTTER	THREAD LOCK COMPOUND	

PLEASE READ THROUGH AND UNDERSTAND THESE INSTRUCTIONS BEFORE BEGINNING.**NOTE: USE THREAD LOCK ON ALL FASTENERS.****INSTALLATION:**

1. DISCONNECT THE BATTERY CABLES.
2. STARTING ON THE RIGHT SIDE USING A 1/2" WRENCH REMOVE THE TWO ACORN NUTS HOLDING THE TURN SIGNAL MOUNT TO THE BIKE. SEE FIG. 1
3. UNPLUG THE WIRE CONNECTOR AND SET THE TURN SIGNAL ASIDE.
4. USING A 9/16" WRENCH REMOVE THE TOP STUD WITH THE FLAT WASHER AS SHOWN IN FIG. 2. LEAVE THE BOTTOM STUD TIGHT.
5. TAKE THE RIGHT MOUNT FROM THE KIT AND REINSTALL THE TOP STUD THROUGH THE TOP HOLE ON THE RIGHT MOUNT. SEE FIG. 3.
6. THREAD THE STUD IN FINGER TIGHT BUT DO NOT TIGHTEN.
7. USING A 9/16" WRENCH REMOVE THE BOTTOM STUD ON THE RIGHT SIDE.
8. ROTATE THE RIGHT MOUNT SO THAT THE SLOT LINES UP WITH THE BOTTOM HOLE AND REINSTALL THE BOTTOM STUD.
9. USING A 9/16" WRENCH TIGHTEN BOTH THE TOP AND THE BOTTOM STUDS.
10. REPEAT STEPS 2 THROUGH 9 ON THE LEFT SIDE OF THE BIKE.
11. TAKE ONE OF THE LIGHTS FROM THE KIT AND PLACE IT IN THE RIGHT MOUNT AS SHOWN IN FIG. 5.
12. USING A 13MM WRENCH INSTALL AND TIGHTEN THE M8 LOCK NUT ON THE STUD AS SHOWN.
13. USING A M5 ALLEN WRENCH AND A 10MM WRENCH TIGHTEN THE M6 X 20MM BOLT AND LOCK NUT ON THE LIGHT. SEE FIG. 5.
14. REPEAT STEPS 11 THROUGH 13 FOR THE LEFT LIGHT.
15. NEXT FIND A PLACE TO MOUNT THE RELAY. THE BEST PLACE TO MOUNT THE RELAY IS UNDER THE SEAT OR INSIDE THE FRONT FAIRING.
16. TAKE THE TWO LONG BLACK WIRES FROM THE KIT AND CONNECT THE BULLET CONNECTORS TO THE BLUE WIRES ON EACH LIGHT.
17. ROUTE THE BLACK WIRES TO THE RELAY AND CONNECT THEM TO THE RELAY. SEE FIG. 6 FOR WIRE LOCATION.
18. CONNECT THE TWO BLACK WIRES ON THE LIGHTS TO A GROUND ON THE BIKE.
19. REINSTALL BOTH TURN SIGNALS AND TIGHTEN THE ACORN NUTS.
20. FIND A PLACE TO MOUNT THE ROUND SWITCH FROM THE LIGHT KIT.
21. USING A 13/16" DRILL BIT DRILL A MOUNTING HOLE FOR THE ROUND SWITCH.
22. 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.
23. CONNECT THE THREE WIRES AS SHOWN IN FIG. 6. PUSH THE SWITCH INTO PLACE.
24. CONNECT THE BLUE WIRE FROM THE SWITCH TO THE RELAY. SEE FIG. 6
25. CONNECT THE ORANGE WIRE TO A KEYED POSITIVE WIRE ON THE BIKE USING THE T-TAP SUPPLIED WITH THE KIT.
26. ROUTE THE GREEN WIRE TO THE NEGATIVE TERMINAL ON THE BIKES BATTERY. DO NOT CONNECT AT THIS STEP.
27. TAKE THE HARNESS WITH THE GREEN AND RED WIRES AND CONNECT THE SPADE CONNECTORS TO THE RELAY. SEE FIG. 6.
28. ROUTE THE RED WIRE TO THE POSITIVE TERMINAL AND THE GREEN WIRE TO THE NEGATIVE TERMINAL ON THE BIKES BATTERY.
29. RECONNECT THE POSITIVE TERMINAL ON THE BATTERY INCLUDING THE NEW RED WIRE FROM THE RELAY.
30. RECONNECT THE NEGATIVE TERMINAL ON THE BATTERY INCLUDING BOTH NEW GREEN WIRES. SEE FIG. 6.
31. TURN KEY ON AND TEST THE FUNCTION OF BOTH LIGHTS.
32. ADJUST LIGHTS AS DESIRED AND MAKE SURE ALL HARDWARE IS TIGHT.
33. AFTER A SHORT RIDE RECHECK ALL FASTENERS AND MAKE SURE ALL WIRING IS SECURE.

