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PART NO. 41-162**TRAILER WIRE HARNESS****CAN-AN SPYDER RT/RTS/RTL 2010-NEWER**

2/15/2016

TOOLS NEEDED:	T30 TORX DRIVER	10MM WRENCH	FLAT SCREWDRIVER	RUBBING ALCOHOL	LINT FREE TOWEL
ITEMS IN KIT:	WIRE HARNESS	M6-1.0 X 8MM BOLT	M6 LOCK WASHER	4" WIRE TIES (8X)	CRIMPER/CUTTER

PLEASE READ THROUGH AND UNDERSTAND THESE INSTRUCTIONS BEFORE BEGINNING.

ESTIMATED INSTALLATION TIME: 45 TO 60 MIN.

NOTE: ON 2010-2012 MODELS THE BATTERY IS UNDER THE SEAT, ON 2013-NEWER MODELS THE BATTERY IS IN THE FRONT TRUNK.

INSTALLATION:

1. OPEN THE TRUNK LID. USING A T27 TORX DRIVER REMOVE THE 4 SCREWS HOLDING THE TOP OF THE REAR PAINTED PANEL. SEE FIG. 1
2. OPEN THE LEFT SADDLEBAG LID. USING THE T30 TORX DRIVER REMOVE THE 2 SCREWS AT THE TOP REAR. SEE FIG. 2
3. REPEAT STEP 2 ON THE RIGHT SIDE. CAREFULLY REMOVE THE REAR PANEL AND SET IT ASIDE.
4. USING A FLAT SCREWDRIVER DISCONNECT THE TOP OF THE GAS SHOCKS ON BOTH SADDLEBAGS. SEE FIG. 3
5. REMOVE THE 2 TORX SCREWS FROM BOTH SIDES THAT WERE COVERED BY THE GAS SHOCKS. SEE FIG. 4
6. ON THE BACK OF THE REAR FENDER REMOVE THE 3 TORX SCREW FROM THE TOP OF THE FENDER. SEE FIG. 5 **NOTE: THESE 3 SCREWS ARE SHORTER THAN ALL OF THE OTHER SCREWS AND MUST BE KEPT SEPARATE.**
7. ROTATE THE REAR FENDER DOWN UNTIL IT STOPS ON THE REAR TIRE. SEE FIG. 6. **NOTE: THE REAR FENDER DOES NOT NEED TO BE COMPLETELY REMOVED TO INSTALL THE WIRE HARNESS.**
8. USING A T27 TORX DRIVER REMOVE THE 3 SCREWS HOLDING EACH TAIL LIGHT ASSEMBLY TO THE SPYDER. SEE FIG. 7. UNPLUG THE FLAT 5 PIN CONNECTORS ON EACH LIGHT AND SET THE LIGHTS ASIDE.
9. USING LINT FREE TOWEL AND RUBBING ALCOHOL CLEAN THE BACK SURFACE OF THE SADDLEBAG THAT WAS BEHIND THE LEFT TAIL LIGHT. SEE FIG. 8
10. LET DRY COMPLETELY AND THEN USING THE DOUBLE SIDE TAPE ON THE RELAY BOX INSTALL IT TO THE SURFACE AS SHOWN IN FIG. 8
11. TAKE THE RED FUSED POWER WIRE AND THE GREEN GROUND WIRE AND FEED THEM THROUGH THE OPEN AREA INSIDE NEXT TO THE LEFT PASSENGER HANDLE. PULL ANY EXTRA WIRE INTO THE SEAT AREA AND LEAVE THEM DISCONNECTED FOR NOW.
NOTE: ON 2013 AND NEWER MODELS YOU WILL NEED TO CUT THE RING TERMINALS OFF OF THE RED AND THE GREEN WIRES. USE THE TWO BUTT SPLICES SUPPLIED AND EXTEND THE TWO WIRES WITH THE MATCHING RED AND GREEN WIRE SUPPLIED.
12. TAKE THE BLUE WIRE WITH THE FLAT 5 PIN CONNECTORS AND ROUTE IT AROUND THE BACK OF THE TRUNK TO THE RIGHT TAIL LIGHT AREA.
13. PLUG THE MATING END OF THE RIGHT HARNESS INTO THE SPYDER AND THE OTHER END TO THE RIGHT TAIL LIGHT ASSEMBLY. REINSTALL THE 3 SCREWS HOLDING THE RIGHT TAIL LIGHT TO THE SPYDER.
14. GO TO THE LEFT SIDE AND DO THE SAME THING WITH THE OTHER CONNECTORS ON THE WIRE HARNESS. THEN REINSTALL THE LEFT TAIL LIGHT. USE THE WIRE TIES PROVIDED TO HOLD THE HARNESS WIRES IN PLACE.
15. ROUTE THE LARGE PART OF THE HARNESS BETWEEN THE REAR FENDER AND THE LEFT SADDLEBAG AND OUT THE BOTTOM.
16. INSTALL YOUR TRAILER PLUG TO THE END OF THE NEW HARNESS.
NOTE: GREEN TO GROUND - BLUE TO RIGHT TURN SIGNAL - BROWN TO RUNNING LIGHTS - ORANGE TO LEFT TURN SIGNAL - RED TO BRAKE LIGHTS
17. ON 2010 – 2012 MODELS REMOVE THE SEAT AND CONNECT THE RED FUSED WIRE TO THE POSITIVE TERMINAL ON THE BATTERY AND THE GREEN WIRE TO THE NEGATIVE TERMINAL ON THE BATTERY.
18. ON 2013 – NEWER MODELS FINISH ROUTING THE RED AND GREEN WIRES UNDER THE BODY PANELS AND TO THE AREA TO THE REAR OF THE FRONT TRUNK NEXT TO THE BATTERY.
19. TRIM THE WIRES TO LENGTH AND CRIMP A RING CONNECTOR ON THE END OF EACH WIRE. THEN CONNECT THE RED WIRE TO THE POSITIVE TERMINAL AND THE GREEN WIRE TO THE NEGATIVE TERMINAL.
20. CONNECT TRAILER AND TEST.
21. REINSTALL THE BODY PANELS AND SEAT IN REVERSE ORDER YOU DISASSEMBLED THEM.

