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PART NO. 41-162**TRAILER WIRE HARNESS****CAN-AN SPYDER RT 2010-2014**

5/5/2014

TOOLS NEEDED:	T27 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.

INSTALLATION:

1. OPEN THE SEAT ON THE SPYDER. USING A FLAT SCREWDRIVER DISCONNECT THE FRONT OF THE SEAT GAS SHOCK FROM THE BALL MOUNT ON THE SEAT.
 2. LOWER SEAT AND USING A 10MM WRENCH REMOVE THE 2 HINGE BOLTS ON THE BACK OF THE SEAT. LIFT SEAT OFF AND SET ASIDE.
 3. USING A T27 TORX DRIVER REMOVE THE 2 SCREWS HOLDING THE BATTERY COVER ON THE SPYDER. THEY ARE NEXT TO THE LEFT PASSENGER HANDLE.
 4. LIFT THE RUBBER COVER OFF OF THE BATTERY AND USING A 10MM WRENCH DISCONNECT THE BLACK GROUND CABLE FROM THE BATTERY. **NOTE:** ON 2013 AND NEWER THE BATTERY IS IN THE FRONT TRUNK.
 5. OPEN THE TRUNK LID. USING A T27 TORX DRIVER REMOVE THE 4 SCREWS HOLDING THE TOP OF THE REAR PAINTED PANEL. SEE FIG. 1
 6. OPEN THE LEFT SADDLEBAG LID. USING THE T27 TORX DRIVER REMOVE THE 2 SCREWS AT THE TOP REAR. SEE FIG. 2
 7. REPEAT STEP 6 ON THE RIGHT SIDE. CAREFULLY REMOVE THE REAR PANEL AND SET IT ASIDE.
 8. USING A FLAT SCREWDRIVER DISCONNECT THE TOP OF THE GAS SHOCKS ON BOTH SADDLEBAGS. SEE FIG. 3
 9. REMOVE THE 2 TORX SCREWS FROM BOTH SIDES THAT WHERE COVERED BY THE GAS SHOCKS. SEE FIG. 4
 10. 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.**
 11. 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.**
 12. USING A T27 TORX DRIVER REMOVE THE 3 SCREWS HOLING EACH TAIL LIGHT ASSEMBLY TO THE SPYDER. SEE FIG. 7. UNPLUG THE FLAT 5 PIN CONNECTORS ON EACH LIGHT AND SET THE LIGHTS ASIDE.
 13. USING A LINT FREE TOWEL AND RUBBING ALCOHOL CLEAN THE BACK SURFACE OF THE SADDLEBAG THAT WAS BEHIND THE LEFT TAIL LIGHT. SEE FIG. 8
 14. LET DRY COMPLETELY AND THEN USING THE DOUBLE SIDE TAPE ON THE RELAY BOX INSTALL IT TO THE SURFACE AS SHOWN IN FIG. 8
 15. 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 BATTERY AREA. 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.
16. 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.
 17. 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.
 18. 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.
 19. ROUTE THE LARGE PART OF THE HARNESS BETWEEN THE REAR FENDER AND THE LEFT SADDLEBAG AND OUT THE BOTTOM.
 20. 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**
21. IN FRONT OF THE BATTERY LOCATE THE RED CAP COVERING AN EXTENSION NUT. REMOVE THE RED CAP AND USING THE M6 BOLT AND WASHER PROVIDED CONNECT THE RING CONNECTOR ON THE RED WIRE TO THE EXTENSION NUT. SEE FIG. 9 **NOTE:** IF USING THE WIRE EXTENSIONS YOU WILL NEED TO CRIMP THE RING TERMINALS ON THE ENDS OF THE RED AND THE GREEN WIRES BEFORE CONNECTING.
 22. CONNECT THE GROUND WIRE TO THE GROUND TERMINAL ON THE BATTERY ALONG WITH THE GROUND CABLE YOU DISCONNECTED IN STEP 4.
 23. CONNECT TRAILER AND TEST.
 24. REINSTALL THE BODY PANELS AND SEAT IN REVERSE ORDER YOU DISASSEMBLED THEM.

