

**BIG BIKE PARTS®****INSTALLATION INSTRUCTIONS**

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**PART NO. 41-362****TRAILER WIRING HARNESS**

REVISED 7/16/2021

**FITMENT:****CAN-AM SPYDER F3T AND F3 LIMITED 2016-NEWER**

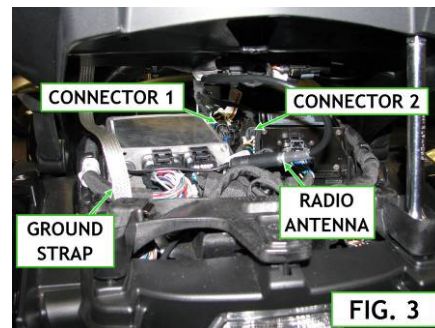
<b>TOOLS NEEDED:</b>	T15 TORX DRIVER	T20 TORX DRIVER	T25 TORX DRIVER	T30 TORX DRIVER	13MM SOCKET
	RATCHET	6" SOCKET EXTENSION	WIRE CUTTER/CRIMPER	FLAT SCREWDRIVER	PHILLIPS SCREWDRIVER
	RUBBING ALCOHOL	CLEAN TOWEL	HEAT GUN	10MM WRENCH	REMOVABLE THREAD LOCK

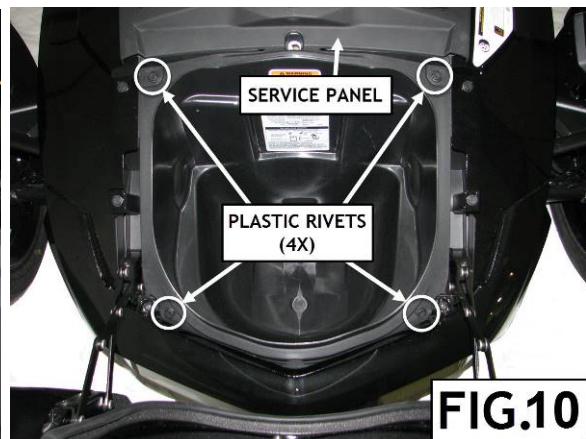
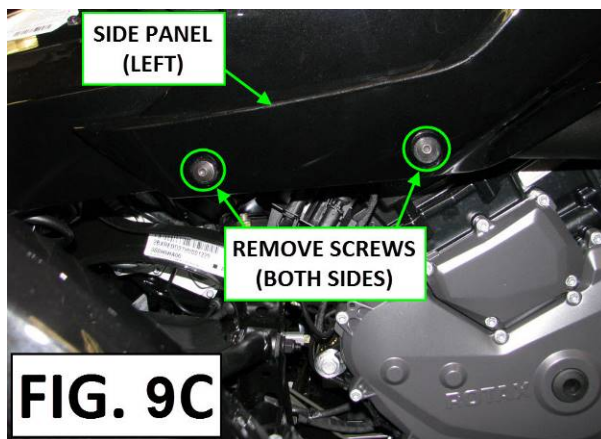
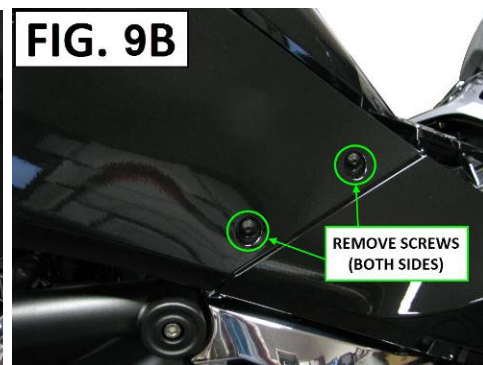
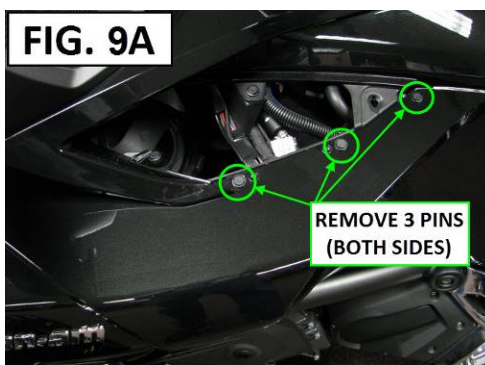
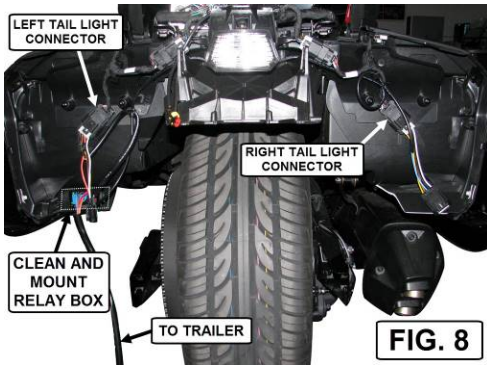
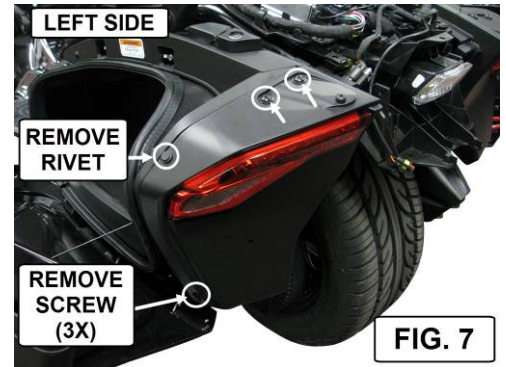
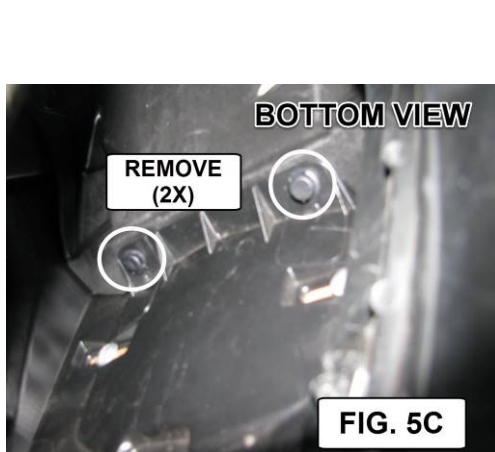
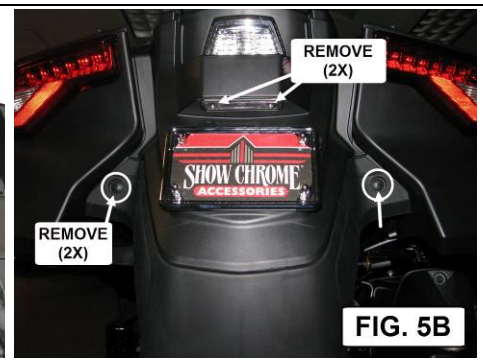
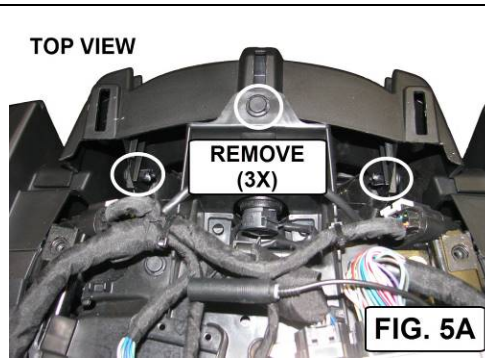
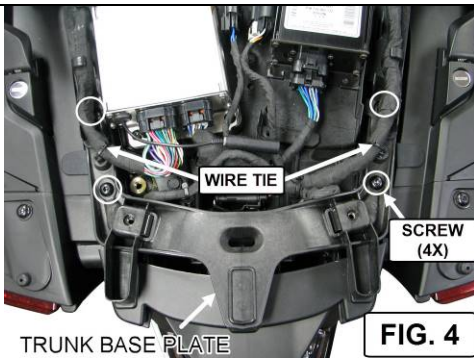
**PLEASE READ THROUGH AND UNDERSTAND THESE INSTRUCTIONS BEFORE BEGINNING. USE REMOVABLE THREAD LOCK ON ALL SCREWS.**

**ESTIMATED INSTALLATION TIME: 60 TO 120 MIN.**

**INSTALLATION:**

1. OPEN THE REAR TRUNK AND REMOVE THE RUBBER PAD AT THE BOTTOM OF THE TRUNK.
2. USING A T30 TORX DRIVER REMOVE THE TWO SCREWS IN THE BOTTOM OF THE TRUNK. SEE **FIG. 1**.
3. RELEASE AND REMOVE THE PASSENGER SEAT FROM THE SPYDER AND SET IT ASIDE.
4. CLOSE THE TRUNK LID AND LIFT THE BACK OF THE TRUNK UP ABOUT 6"-8". USE A 6" SOCKET EXTENSION TO HOLD THE BACK OF THE TRUNK UP FOR NOW. SEE **FIG. 2**.
5. DISCONNECT ALL OF THE CONNECTORS GOING TO THE TRUNK. SEE **FIG. 3**. USING A 13MM SOCKET REMOVE THE BOLT ATTACHING THE GROUND STRAP TO THE FRAME OF THE SPYDER.
6. LIFT THE TRUNK UP AND PULL IT TO THE BACK TO REMOVE IT. CAREFULLY SET ASIDE.
7. OPEN BOTH SADDLEBAG LIDS.
8. CUT THE TWO WIRE TIES SHOWN IN **FIG. 4**. USING A T30 TORX DRIVER REMOVE THE FOUR SCREWS SHOWN IN **FIG. 4**. LIFT THE TRUNK BASE PLATE AND REMOVE IT.
9. TO REMOVE THE REAR FENDER FIRST REMOVE THE THREE PLASTIC RIVETS SHOWN IN **FIG. 5A**.
10. USING A PHILLIPS SCREWDRIVER REMOVE THE TWO PLASTIC RIVETS SHOWN IN **FIG. 5B**. USE A T15 TORX DRIVER REMOVE THE TWO SCREWS HOLDING THE LICENSE PLATE LIGHT TO THE SPYDER. SEE **FIG. 5B**.
11. REMOVE THE TWO PLASTIC RIVETS SHOWN IN **FIG. 5C**. THEY ARE LOCATED ON THE FRONT SIDE OF THE REAR FENDER BEHIND THE REAR TIRE.
12. DISCONNECT THE LICENSE PLATE LIGHT AND REMOVE THE REAR FENDER.
13. USING A T20 TORX DRIVER REMOVE THE SCREW SHOWN IN **FIG. 6** FROM THE BOTTOM SIDE OF EACH SADDLEBAG.
14. USING A T30 TORX DRIVER REMOVE THE THREE SCREWS ON EACH SIDE SHOWN IN **FIG. 7**. ALSO REMOVE THE PLASTIC RIVET FROM EACH SIDE.
15. REMOVE BOTH TAIL LIGHT PANELS AND DISCONNECT THEM FROM THE SPYDER.
16. USING RUBBING ALCOHOL AND A CLEAN TOWEL CLEAN THE FLAT AREA SHOWN IN **FIG. 8**. ALSO CLEAN THE BACK SIDE OF THE RELAY CASE ON THE NEW TRAILER WIRING HARNESS. LET DRY. USE THE DOUBLE-SIDED TAPE SUPPLIED TO MOUNT THE RELAY BOX TO THE BACK OF THE LEFT SADDLEBAG. SEE **FIG. 8**.
17. CONNECT THE SHORT SECTION OF THE HARNESS TO THE LEFT TAIL LIGHT CONNECTOR ON THE SPYDER. THEN FEED THE LONGER SECTION THROUGH THE REAR OF THE SPYDER TO THE RIGHT TAIL LIGHT CONNECTOR AND CONNECT IT. SEE **FIG. 8**. USE SUPPLIED WIRE TIES TO SECURE THE WIRES TO THE SPYDER.
18. CONNECT BOTH TAIL LIGHTS TO THE OPEN CONNECTORS ON EACH SIDE OF THE SPYDER. SET THE PANELS INTO PLACE BUT DO NOT INSTALL FASTENERS.
19. REMOVE THE SERVICE PANEL ON LEFT SIDE OF THE SPYDER JUST BELOW THE HANDLEBARS.
20. REMOVE THE THREE PLASTIC RIVETS SHOWN IN **FIG. 9A**. USING A T25 TORX DRIVER REMOVE THE FOUR SCREWS SHOWN IN **FIG. 9B** AND **9C**. THEN LIFT THE PANEL OFF TO REMOVE IT. IF YOU HAVE AUXILIARY LIGHTS YOU WILL ALSO HAVE TO DISCONNECT THE LEFT LIGHT.
21. OPEN THE FRONT TRUNK AND REMOVE THE FRONT SERVICE PANEL. SEE **FIG. 10**. REMOVE THE FOUR PLASTIC RIVETS SHOWN IN **FIG. 10**. LIFT THE FRONT TRUNK LINER AND REMOVE IT.
22. ROUTE THE LARGE RED AND GREEN WIRES FROM THE NEW TRAILER HARNESS ALONG THE FRAME AND TO THE BATTERY LOCATED IN THE FRONT TRUNK. USE THE SUPPLIED WIRE TIES TO SECURE THE WIRES TO THE SPYDER.
23. TRIM THE RED AND GREEN WIRES AS NEEDED AND CRIMP THE RING CONNECTORS TO THE ENDS OF EACH WIRE. USE A HEAT GUN TO SHRINK THE TUBE ON EACH RING CONNECTOR.
24. USING A 10MM WRENCH REMOVE THE BOLT IN THE POSITIVE BATTERY TERMINAL AND ATTACH THE NEW RED WIRE TO IT. THEN DO THE SAME WITH THE GREEN WIRE ON THE NEGATIVE BATTERY TERMINAL. MAKE SURE BOTH TERMINALS ARE TIGHT WHEN FINISHED.
25. ATTACH YOUR FIVE WIRE TRAILER CONNECTOR (NOT INCLUDED) TO THE LONG 5 WIRE SECTION OF THE NEW TRAILER HARNESS AS LISTED: **RED TO BRAKE, BROWN TO RUNNING, BLUE TO RIGHT TURN, ORANGE TO LEFT TURN, AND GREEN TO GROUND (-)**.
26. PLUG THE TRAILER INTO THE NEW HARNESS AND TEST ALL OF THE LIGHTS. DISCONNECT THE TRAILER.
27. REASSEMBLE THE SPYDER IN REVERSE ORDER. USE REMOVABLE THREAD LOCK ON ALL SCREWS.

**FIG. 1****FIG. 2****FIG. 3**





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**PART NO. 41-362****TRAILER WIRING HARNESS**

REVISED 7/16/2021

**FITMENT: CAN-AM SPYDER RT AND RT LIMITED 2020-NEWER**

<b>TOOLS NEEDED:</b>	10MM WRENCH	T20 TORX DRIVER	T27 TORX DRIVER	T30 TORX DRIVER	5.5MM SOCKET
	RATCHET WRENCH	PHILLIPS SCREWDRIVER	WIRE CUTTER/CRIMPER	FLAT SCREWDRIVER	REMOVABLE THREAD LOCK
	RUBBING ALCOHOL	CLEAN TOWEL	HEAT GUN		

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**ESTIMATED INSTALLATION TIME: 60 TO 120 MIN.**

**INSTALLATION:**

1. WHILE PUSHING DOWN ON THE KEY, TURN IT CLOCKWISE TO RELEASE THE DRIVER SEAT. LIFT UP ON THE FRONT TO OPEN IT (**FIG. 1A**).
2. PRESS THE TWO TABS SECURING THE FRONT OF THE PASSENGER SEAT AND LIFT UP SLIGHTLY TO RELEASE (**FIG. 2A**). (**LOCATED AT THE FRONT BOTTOM OF THE PASSENGER SEAT UNDER THE DRIVER SEAT**)
3. CLOSE THE DRIVER SEAT TO ALLOW THE FRONT OF THE PASSENGER SEAT TO LIFT UP PAST THE DRIVER SEAT AND SLIDE IT FORWARD TO REMOVE IT.
4. DISCONNECT THE PASSENGER SEAT WIRE HARNESS (**FIG. 3A**).
5. REMOVE THE TWO SCREWS AND PANEL SHOWN IN **FIG. 4A**.
6. REMOVE THE SCREW ON THE TOP OF THE LEFT SADDLEBAG (**FIG. 5A**).
7. STARTING ON THE LEFT SIDE, OPEN THE LEFT SADDLEBAG LID.
8. USE A SMALL FLAT SCREWDRIVER TO PRY OUT ON THE UPPER CLIP HOLDING THE GAS SHOCK AND PULL STRAIGHT OUT TO DISCONNECT IT (**FIG. 6A**).
9. USING A PHILLIPS SCREWDRIVER, REMOVE THE SCREW RIVETS SHOWN IN **FIG. 6A**. USE A T20 TORX DRIVER TO REMOVE THE TWO SCREWS IN **FIG. 6A**.
10. USING A T30 TORX DRIVER AND A 10MM WRENCH, REMOVE THE SCREW SHOWN IN **FIG. 6A** FROM THE BOTTOM OF EACH SADDLEBAG.
11. REMOVE THE SCREW UNDER THE FRONT OF THE LEFT SADDLEBAG (**FIG. 7A**) AND REMOVE THE SADDLEBAG SHROUD.
12. REMOVE THE SMALL SCREW ABOVE THE LEFT TAIL LIGHT (**FIG. 8A**).
13. REPEAT STEPS 5 THROUGH 12 ON THE RIGHT SIDE.
14. CAREFULLY PULL BACK SLIGHTLY ON THE TOP OF THE REAR PANEL TO RELEASE THE CLIPS (**FIG. 9A SHOWS REAR PANEL PULLED BACK**).
15. DISCONNECT THE LEFT AND RIGHT TAIL LIGHT CONNECTORS (**FIG. 9A**).
16. USING **FIG. 10A** FOR REFERENCE, CONNECT THE SHORT SECTION OF THE HARNESS TO THE LEFT TAIL LIGHT CONNECTOR ON THE SPYDER. THEN FEED THE LONGER SECTION ALONG THE REAR OF THE SPYDER TO THE RIGHT TAIL LIGHT CONNECTOR AND CONNECT IT. USE SUPPLIED WIRE TIES TO SECURE THE WIRES TO THE SPYDER.
17. CONNECT BOTH TAIL LIGHTS TO THE OPEN TRAILER HARNESS CONNECTORS ON EACH SIDE OF THE SPYDER.
18. USING RUBBING ALCOHOL AND A CLEAN TOWEL, CLEAN THE AREA YOU WISH TO MOUNT THE RELAY CASE (**FIG. 10A**) OF THE TRAILER HARNESS AND LET DRY COMPLETELY (**MAKE SURE IT WILL NOT INTERFERE WITH INSTALLING ANY PANELS**).
19. CLEAN THE BACK SIDE OF THE RELAY CASE ON THE NEW TRAILER WIRING HARNESS. LET DRY COMPLETELY.
20. USE THE DOUBLE-SIDED TAPE SUPPLIED TO MOUNT THE RELAY CASE.
21. REMOVE THE SERVICE PANEL ON LEFT SIDE OF THE SPYDER JUST BELOW THE HANDLEBARS BY PULLING STRAIGHT OUT.
22. OPEN THE FRONT TRUNK AND UNZIP THE TRUNK LINER (**FIG. 11A**).
23. REMOVE THE TWO SCREWS HOLDING THE BATTERY ACCESS PANEL AND REMOVE THE ACCESS PANEL (**FIG. 11A**).
24. ROUTE THE LARGE RED AND GREEN WIRES FROM THE NEW TRAILER HARNESS ALONG THE FRAME AND TO THE BATTERY LOCATED IN THE FRONT TRUNK. USE THE SUPPLIED WIRE TIES TO SECURE THE WIRES TO THE SPYDER.
25. TRIM THE RED AND GREEN WIRES AS NEEDED AND CRIMP THE RING CONNECTORS TO THE ENDS OF EACH WIRE. USE A HEAT GUN TO SHRINK THE TUBE ON EACH RING CONNECTOR.
26. USING A 10MM WRENCH REMOVE THE BOLT IN THE POSITIVE BATTERY TERMINAL AND ATTACH THE NEW RED WIRE TO IT. THEN DO THE SAME WITH THE GREEN WIRE ON THE NEGATIVE BATTERY TERMINAL. MAKE SURE BOTH TERMINALS ARE TIGHT WHEN FINISHED.
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28. PLUG THE TRAILER INTO THE NEW HARNESS AND TEST ALL OF THE LIGHTS. DISCONNECT THE TRAILER.
29. REASSEMBLE THE SPYDER IN REVERSE ORDER. USE REMOVABLE THREAD LOCK ON ALL SCREWS.

