

2020-2023 Aprilia RS660/Tuono 660 Fender Eliminator Kit Standard

Part No. FE-A21RST660

Parts List

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| x1 Plate holder | x5 M6x20mm bolt |
| x1 Cover plate | x8 M6 nylon lock nuts |
| x1 License plate LED light | x6 M6 washers |
| x1 License plate harness adapter | x4 M6 large OD washers |
| x1 M6x12mm bolt | x1 OEM/Aftermarket Turn signal brackets (L+R) |
| x4 M6x16mm bolt | |

Required

T30 torx bit
Loctite or thread sealer

Tools:

10mm box wrench
10mm socket
8mm socket
7mm socket
Ratchet
4mm allen tool

1. Remove seat cowl/passenger seat(key)
2. Remove rider seat (pull out)
3. Remove seat tray - if present (4 bolts - 10mm socket at the center bolts and 8mm socket at the side bolts)
4. Remove plastic (unpainted) side panels below rider seat (3 bolts - 1 on bottom and 2 on top using 4mm allen), pull from bottom and slide rearwards to remove. Repeat other side
5. Remove center (joined) painted rear tail fairing (2 bolts on each side using 4mm allen) lift up and out to remove.
6. Optional: Remove the seat latch (2 bolts using 4mm allen tool - lift up and out along with the latch bracket) for easier access to the wires beneath
7. Locate the off-white color 4-pin connector for the left/right signals and license plate light and disconnect it.
8. Remove the rear fender (2 torx bolts from underneath at the forward end using T30 torx bit and 10mm box wrench for the nut from the top and 1 torx bolt from the rearmost end) pull down carefully along with the harness
9. Remove the 2 shoulder washers/spacers protruding through the undertail holes, flex the under down and pop them out
10. Grab the OEM rear fender rotate to the underside and undo the wire management clip holding the harness to the fender. Locate the left/right signal plugs and license plate light plug and disconnect. Extract the harness and relocate it back into the bike's undertail below the seat latch area. Plug back in the 4 pin off-white connector and feed the 3 plugs down through the hold on the undertail.
11. Attached LED license plate light to the plate holder by feeding the wires one at a time through the center hole, secure both nuts with 7mm socket. Attach the license plate light adapter harness - Yellow>White and Blue>Black. If mounting factory turn signals see below.
12. Feed the 3 plugs from step 10 above and mount the cover plate to the under tail at the 1 rearward hole using 1 M6x20mm bolt and M6 washer.
13. Prepare 1 M6x12mm bolt and M6 washer with Loctite or thread sealer. Grab the plate holder assembly and plug in the license plate light (and optional left/right turn signals), while pulling the 3 harness from the top to take away the slack, mount the plate holder assembly to the cover plate using the M6x12mm bolt and M6 washer at the center hole using 4mm allen tool
14. Additionally secure the plate holder using 2 M6x20mm bolts, M6 washers, and M6 lock nuts. Insert the bolt from underneath and secure with washer and nut from the top. 4mm allen tool and 10mm box wrench
15. Turn on the bike and check for functionality of turn signals and license plate light. Insert the key into undertail (with large end facing inwards) and turn to check for clearance.
16. Reinstall in reverse order the seat latch, painted upper fairing, unpainted side panels, seat tray (if present) and rider and passenger seat/cowl.

Optional - installing factory turn signals

1. Remove the factory turn signals off the rear fender (4mm allen tool and 10mm box wrench), bolt and nut can optionally be reused to mount on our bracket but we also provide you a new stainless bolt, washer and nut that you can use
2. Mount the turn signal to our turn signal brackets, take note of which side is left and right, positioning of the bracket is oriented so that bend is facing inwards. Mounting it backwards will block the key hole. See illustration below.
3. Mount the signal bracket+turn signal to the back of the plate holder using 4 M6x16mm bolts, M6 large OD washers and M6 lock nuts. Bolt>License plate>Plate holder>Turn signal bracket>large OD washer>nut. 4mm allen tool and 10mm socket/wrench.

