

# 2016-2021 Yamaha XSR900 Fender Eliminator Kit

Part No. FE-Y16XSR900

## Parts List

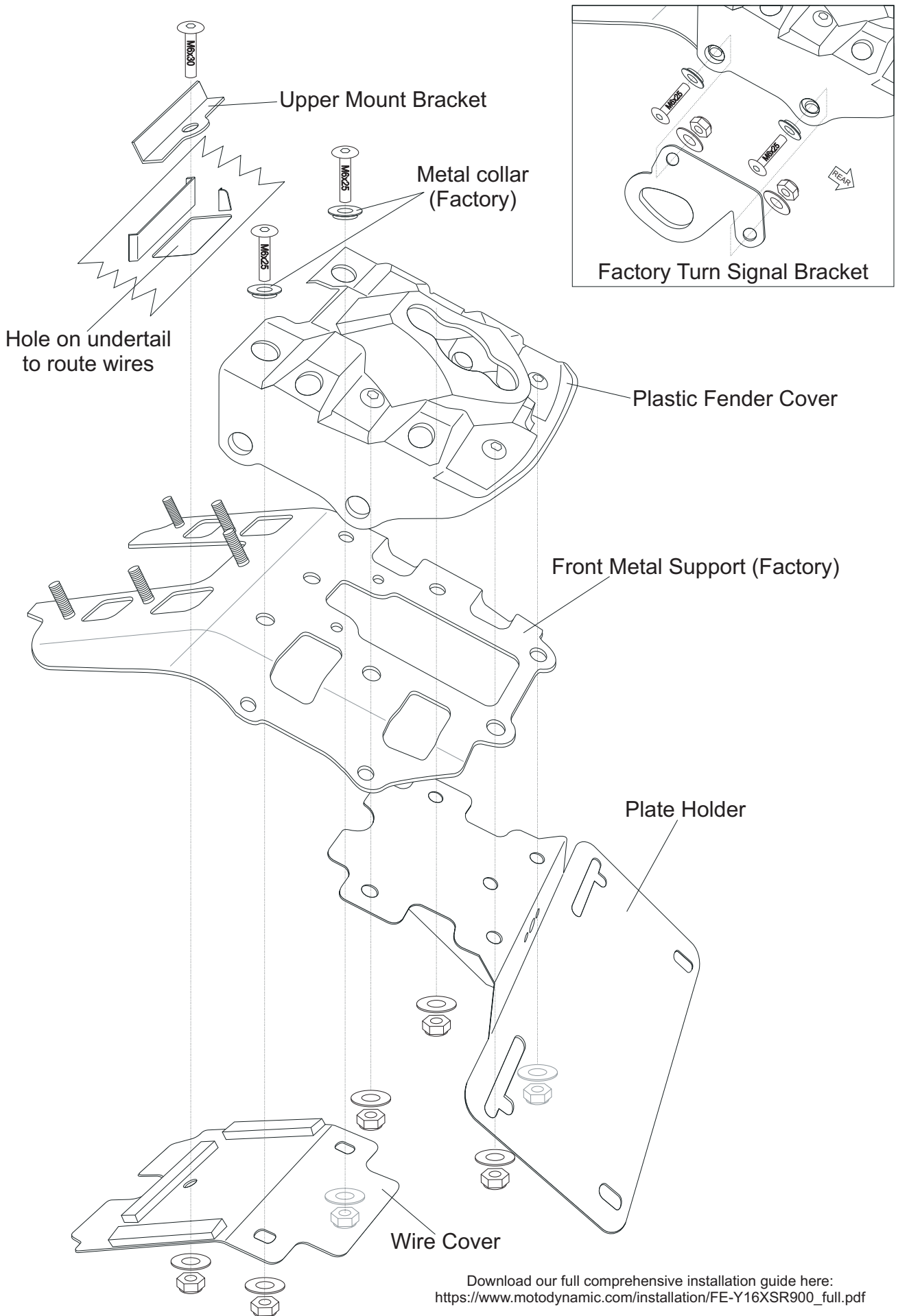
x1 Plate Holder	x4 M6x20mm bolts
x1 Plastic Fender Cover	x6 M6x25mm bolts
x1 Wire Cover	x1 M6x30mm bolts
x1 Upper Mount Bracket	x4 M6 large OD washers
x1 LED license plate light	x11 M6 washers
x1 License plate light adapter harness	x11 M6 lock nuts
x4 M6x16mm bolts	x1 Factory signal adapter brackets (L+R)

## Removal

1. Remove seat (key) and remove seat latch plate bracket (4 bolts)
2. Undo wire cover on the right side of bike and unplug tail light, left/right turn signals, and license plate light connector, then free the wires from the cable hook
3. Remove the 4 end nuts to drop down the fender. Support the fender on the last nut. Drop fender down and pull out the 4 wires.
4. Grab fender assembly and remove the wire cover (2 plastic rivets on the rear and slide rearward to remove). Undo/cut wire clips to free the wires.
5. Remove left and right turn signals from the fender (undo the plastic jam spacer and pop signal out)
6. Remove tail light (2 nuts from beneath), then pull up and out along with the wires.
7. Remove the tail light rubber mounting gasket (push out the 2 metal collars first)
8. Remove the aluminum cover (1 nut and 4 T20 Torx bolts), then pull out the four (4) well nuts on top the factory plastic fender cover - a thin 5 hole spacer will also come loose which will not be reused
9. Separate the black plastic fender from the metal under support (6 silver bolts up top and 4 black bolts from the side - the 6 silver bolts will not be reused, retain black bolts for possible re-use. Each bolt has a collar beneath, 6 of which will be reused) - followed by 4 tapping screws underneath to fully release the plastics fender from the metal supports. Metal support is in 2 parts - 1 rear and 1 front.
10. The following will no longer be used: rear metal support, thin 5 hole spacer, plastic wire cover, and plastic fender cover
11. Grab the front metal support and pop out the wire clip and cable ties, these will not longer be used

## Installation

12. Place the Motodynamic plastic fender cover on top of the front metal support and secure using two (2) M6x25mm bolts and factory collars in the two most forward holes
13. Flip the plastic fender cover/front metal support assembly over and secure the 4 side bolts and along with factory metal collars in the following configuration: A) Mounting factory Yamaha turn signals: x4 M6x25mm bolts from this kit B) Mounting no turn signals: x4 factory black bolts (or x4 M6x20mm spare bolts from this kit)
14. (Skip if no turn signals) Mount the factory turn signal adapters on the same M6x25mm bolts from previous step and secure using x4 M6 lock nuts and M6 washers, ensuring the larger end of the oval opening is facing rearwards.
15. Flip the plastic fender cover/front metal support over and insert the four (4) well nuts
16. Re-install the aluminum cover and secure reusing the factory Torx bolts and nut
17. Re-install the tail light rubber mounting gasket along with the 2 metal collars
18. Re-install the tail light
19. (Skip if no turn signals) Remount the factory turn signals onto the adapters making sure the drainage holes on the lens if facing down for the each appropriate side and feed the wires through the rectangular opening on the front metal support.
20. Organize the tail light and (optional) both turn signal wires and guide them over the narrowing opening in the front metal support underside
21. Install the LED license plate light onto the plate holder by feeding the wires one at a time ensuring the LEDs are facing down. Feed the wire up through the top hole and connect license plate light adapter harness White>Red and Black>Black.
22. While organizing the light plate light harness together with the tail light and turn signal harness, mount the plate holder assembly to the plastic fender cover/front metal support assembly underside using four (4) M6 lock nuts and M6 washers onto the 4 rearmost protruding bolts. Caution to not pinch any of the wires.
23. Flatten out and lay the 4 wire harnesses (or 2 if no turn signals) side by side
24. Carefully mount the wire cover using two (2) M6 lock nuts and M6 washers on the 2 forward most protruding bolts
25. While feeding the 4 harness up through the under tail, mount the fender eliminator assembly using the factory four end nuts
26. Divide the 4 harnesses then place the Upper Mount Bracket over the opening for the wires and insert a M6x30mm bolt through the bracket and hole on the wire cover
27. From underneath secure the forward end of the wire cover using a M6 lock nut and M4 washer.
28. Route the 4 harnesses and plug them back into their respective connectors. Re-install the seat latch plate bracket and seat. Mount the license plate to the plate holder using four (4) M6x16 bolts, M6 large OD washers and M6 lock nuts. Test all lighting functions before going on a road test



Download our full comprehensive installation guide here:  
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