

2017-2019 Yamaha FZ-09/MT-09 Fender Eliminator Kit

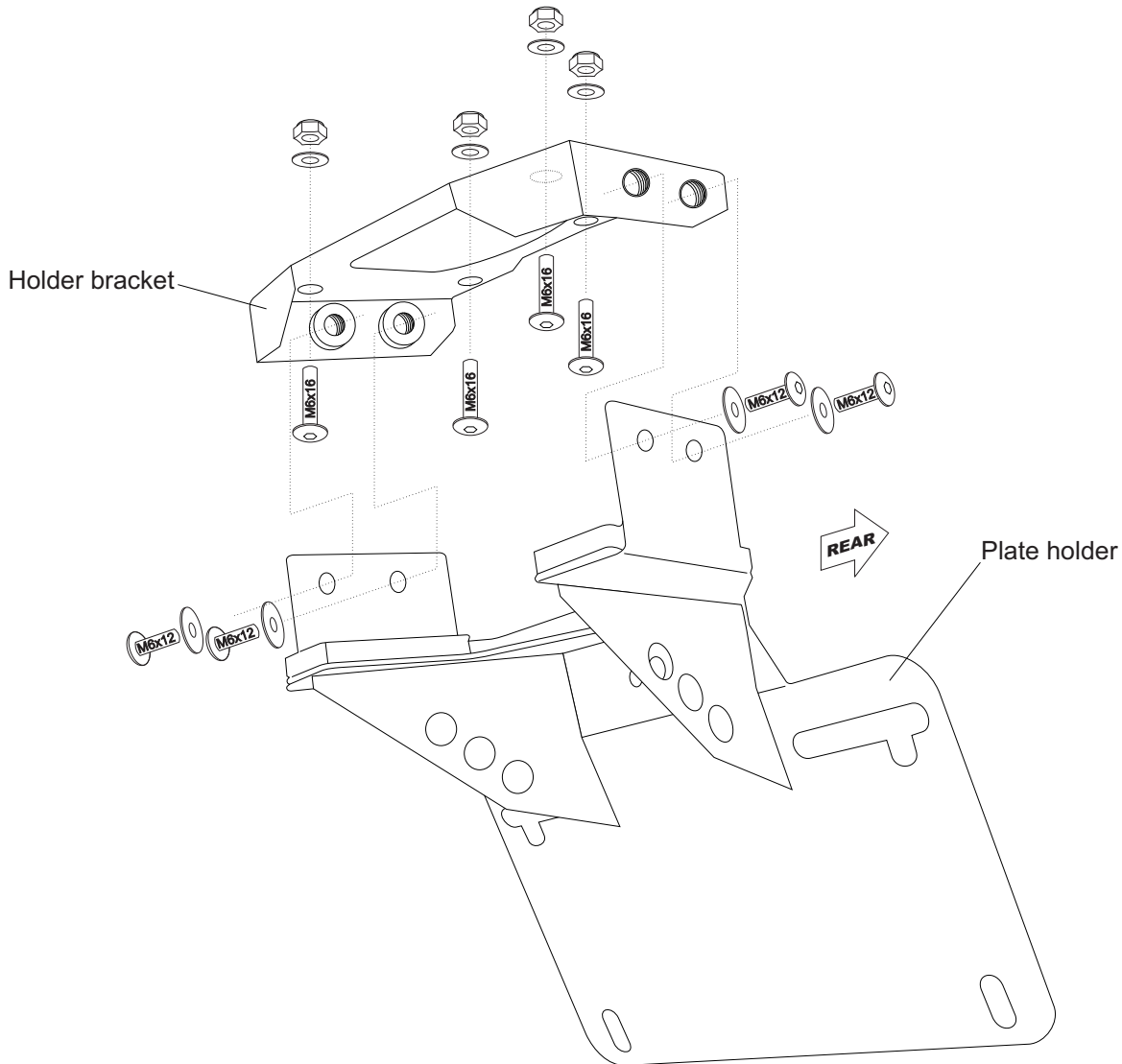
Part No. FE-Y17FZ09

Parts List

x1 Plate holder	x8 M6x16mm bolts
x1 Holder bracket	x8 M6 lock nuts
x1 Aluminum axle block	x4 M6 washers
x1 LED license plate light	x8 M6 large OD washers
x1 License plate light adapter harness	x2 Aftermarket signal adapter bracket (in-hole)
x4 M6x12mm bolts	x1 Factory signal adapter brackets (L+R)

Required

Loctite or thread sealer



Removing the swing arm mounted fender and installing the axle block

1. Remove the plastic license plate light wire cover above the chain (one plastic rivet and one 5mm allen bolt with spacer). Slide rearwards on the cover then remove
2. Unplug the license plate light
3. Place the motorcycle on the rear stand for ease in removing the axle nut
4. Count and record the current position of the hash marks on the swing arm mounted fender
5. Remove the axle nut and washer (27mm socket)
6. Wiggle the rear swing arm mounted fender to remove
7. Insert the Motodynamic axle block with the hash marks facing out and to the rear onto the axle bolt (push the wheel rearwards to clear the tension adjuster)
8. Insert washer and reinstall the axle nut, do not tighten
9. Position the axle block so that the hash marks are the same as recorded on step 4 above
10. Torque the nut to 108 ft/lbs
11. Check chain for proper tension according to manual and adjust if necessary

Rerouting the license plate light wire harness into the subframe

1. With the wire cover still off, cut the first of three cable ties securing the harness. Follow the harness above the swing arm and cut the second and third cable ties, then remove and replace the bolt to free the harness from the swingarm. Follow the harness to the right side of the bike and undo the cable clip. Reroute the harness up through the subframe, then to the rear right side of the bike.
2. Reinstall the wire cover

Removing the factory rear turn signal assembly

1. Remove seat
2. Remove the 7 plastic rivets from the underside of the undertail. Remove the rectangular plastic panel left of the rectifier
3. Undo the wire shield on the top right rear side of the bike and unplug the left and right turn signal plugs
4. Remove the left and right painted side rear fairing panels (two 4mm allen bolts up top and four 4mm allen bolts at the bottom per side) Note: to remove panels pull them rearwards slightly to unhook them from the clips on the tail light. Failure to do this will break these 2 clips.
5. Remove the seat latch bracket (4 bolts)
6. Remove the lower center plastic undertail (2 philips screws)
7. Remove the rear turn signal assemblies along with mounting bracket (4 bolts/nuts from the bottom/top respectively). Note: when removing the 2 rear bolts/nuts the tail light will drop so brace it before removing. Feed the turn signal wires and carefully drop it down along with turn signal assembly.

Installing the fender eliminator

1. The fender eliminator kit comes pre-attached the plate holder to the holder bracket. Remove the four M6x12mm bolts and large OD washers to separate
2. Mount the holder bracket to the underside of the subframe at the same four holes securing the factory turn signal assembly using four M6x16 bolts, M6 washers, and M6 lock nuts. When placing the 2 rearward holes make sure to install back the tail light removed from step 7 above. See illustration
3. Reinstall the lower center plastic undertail and rectangular plastic panel beside rectifier
4. Attach the LED license plate light to the plate holder and attach the license plate light adapter harness (NOTE: Blue>White and Yellow>Black)

INSTALL OPTIONAL TURN SIGNALS: See below

5. Feed the license plate wire (and optional turn signal wires) through either of the left or right openings on the lower center plastic undertail. The wires will snake through the small channel opening on the foam padding of the plate holder up to the subframe where the factory signal wires were once routed
6. Mount the plate holder to the holder bracket using the same 4 bolts and washers removed from step 1 above. Use a drop of Loctite or thread sealer on these bolts
7. From the top route the new LED license plate light harness to the right side of the bike and plug it into the connector that was re-routed up from the swingarm. Optionally route the left and right turn signals and plug them back in on the right side of the bike. Close up the wire shield
8. Reinstall the seat latch bracket
9. Reinstall the left and right painted side fairings
10. Reinstall seat
11. Install license plate using the four M6x16mm bolts, M6 large OD washers, and M6 lock nuts
12. Perform a lighting check before performing a road test

Optional - Mounting external turn signals

Mount OEM or aftermarket turn signal adapters to license plate mounting holes on plate holder using two/four M6x16mm allen bolts, large OD washers, and nuts. Install OEM or aftermarket turn signals onto adapter and prepare to route the wires back up through the subframe. Aftermarket signals may require wiring. Refer to illustration below to mount factory signals.

