

Installation instructions for the U.M.I. Yamaha Super Jet steering system

Necessary tools:

Phillips screwdriver (medium)
10, 14, 15mm socket/ratchet
4.5mm allen wrench
Electric drill
¼ drill bit
Crescent wrench
Wire Cutters
Light marine quality grease
Silicone spray

1. Remove chin pad from the handlepole by removing the two 10mm head bolts under the chin pad.
2. Remove the handlebars from the stock turnplate. Leave the switches and the throttle connected to the handlebars. Let the bars hang off the side of the handlepole.
3. Remove the cable hold down loop from the turnplate. Disconnect the steering cable from the turnplate. Remove the steering cable connector from the stock turnplate and set aside for use with the new turnplate.
4. Remove the stock turnplate from the handlepole by removing the two large nuts from the underside of the handlepole.
5. Wipe all the grease and debris from the turnplate mounting area.
6. Position the mounting plate (#11) into the hole in the handlepole with the stud facing up as close to the center of the hole as possible. You will be using the mounting plate as a template for drilling the four ¼ holes in the handlepole.
7. Locate the four M6 flathead screws from the hardware pack. Begin drilling the holes through the handlepole. Place a screw into the holes after you drill each one to keep the mounting plate centered while you drill.
8. Locate the cover plate (#12), the four M6 washers (#13) and the four M6 nyloc nuts (#14). Secure the mounting plate to the handlepole.
9. Place a small amount of grease into the O-Ring groove in the mounting plate. Locate the large O-Ring (#10) and place into the O-Ring groove on the mounting plate.
10. Locate the thrust washer (#7) and the thrust bearings (#8). Place the thrust washers on either side of the thrust bearing and slide over the shaft in the mounting plate.
11. Locate the turnplate (#6) handlebar clamps and the four M8 flat head bolts from the hardware pack. Secure the handlebars to the turnplate with the clamps and the M8 hardware.

12. Set the turnplate onto the mounting plate. Place the large roller bearing (#5) onto the turnplate. Locate the small O-Ring (#4) and the bearing cup (#3). Apply a small amount of grease to the O-Ring and the O-Ring groove in the bearing cup. Set cup onto the roller bearing. Secure bearing cup to the turnplate with large washer (#2) and M10 nyloc nut (#1). Nut should only be tightened until there is not any freeplay in the system, be careful not to overtighten. The turnplate should be able to move stop to stop with a minimum of effort.
13. There are three positions available for you to choose from to determine the ratio of your steering. The inside hole is the slowest ratio and the outside hole is the fastest. If you choose one of the two outside holes you are going to need to grind some relief in the plastic of the handlepole chin pad mounting boss. Install the steering cable connector ball into the turnplate in the hole of your choice. If you choose the far outside hole, be sure that the turnplate is stopping on the stop and not by the steering cable hyper-extending or hyper-compressing. If it is not stopping on the stop adjust cable ends until it does. U.M.I. suggests you turn the stop in the handlepole sideways when using the far outside hole.
14. Install the turnplate cover pad using the two 7.5: black zip-ties. Reinstall the handlepole chin pad to the handlepole.
15. You will need to periodically re-grease the bearing and O-Rings to maintain proper performance. We recommend you spray the O-Rings with silicone lubricant before and after each day or so of riding.

