

INSTALLATION INSTRUCTIONS FOR U.M.I. RACING POLARIS STEERING SYSTEM

IT IS VERY IMPORTANT TO READ THESE INSTRUCTIONS THOROUGHLY PRIOR TO INSTALLATION

YOU MUST USE AFTERMARKET BARS WITH THIS STEERING SYSTEM

1. OPEN HOOD AND REMOVE THE STOCK HANDLEBAR PAD BY REMOVING THE PHILLIPS HEAD SCREWS.
2. REMOVE THE START/TRIM HOUSING FROM THE HANDLEBARS.
3. DISCONNECT THE THROTTLE CABLE FROM THE THROTTLE HOUSING.
4. DISCONNECT THE STEERING CABLE FROM THE STEERING ARM ON THE STOCK STEERING.
5. REMOVE THE FOUR NUTS THAT HOLD THE STOCK STEERING HOUSING TO THE HULL AND REMOVE THE HOUSING FROM THE HULL. RETAIN THE STOCK THREADED BRACKET FOR LATER USE WITH THE NEW SYSTEM.
6. REMOVE THE TWO BOLTS THAT HOLD THE STOCK STOP/BEZEL PLATE, AND REMOVE THE PLATE. RETAIN THE STOCK WASHERS AND THE RUBBER GROMMET FOR LATER USE IN THE NEW STEERING SYSTEM.
7. REMOVE THE STOCK HOOD LATCH HARDWARE FROM THE STOCK STEERING SYSTEM AND PUT IT ON THE NEW SYSTEM. **NOTE: THE ADJUSTMENT ON THE HOOD LATCH SHOULD BE VERY SIMILAR TO THE STOCK ADJUSTMENT.**
8. ATTACH THE NEW BEARING HOUSING TO THE HULL USING THE STOCK HARDWARE. SLIDE THE STEERING HEAD THROUGH THE BEARING HOUSING AND ATTACH THE STEERING ARM TO THE SHAFT USING THE LARGE FENDER WASHER AND THE NYLOC NUT. **NOTE: WE RECOMMEND THAT YOU APPLY A SMALL AMOUNT OF**

GREASE TO THE O-RING ON THE STEERING HEAD BEFORE INSTALLATION.

9. RECONNECT THE STEERING CABLE TO THE NEW STEERING ARM USING THE STOCK HARDWARE. **NOTE: SOME MODELS REQUIRE THAT YOU ENLARGE THE HOLE IN THE STEERING ARM TO A 5/16" HOLE.** MAKE SURE TO ADJUST THE CABLE SO THAT THE STEERING IS RESTRICTED BY THE STEERING STOPS AND NOT BY THE CABLE HYPER-EXTENDING OR COMPRESSING.
10. ATTACH THE COVER/BEZEL PLATE TO THE DASH USING THE BOLTS THAT WE SUPPLY AND THE STOCK BENT WASHERS AND NUTS AND GROMMET.
11. ATTACH HANDLEBARS TO THE STEERING HEAD. ATTACH START/TRIM HOUSING TO THE HANDLEBARS. ATTACH FINGER THROTTLE ASSEMBLY TO THE HANDLEBARS AND RE-INSTALL THE THROTTLE CABLE. BE SURE TO MAKE SURE THAT THE THROTTLE OPERATES CORRECTLY WITH NO BINDING.
12. SOME MODELS YOU MAY HAVE TO RELIEVE THE VENT DUCT ATTACHED TO THE HOOD TO ALLOW FOR CLEARANCE OF THE ARM AND THE STEERING SHAFT.
13. RE-INSTALL CHOKE CABLE (SEE STEP #4 ON REMOVAL)
14. LOCATE U.M.I. STEERING HEAD AND INSTALL O-RING. APPLY A SMALL AMOUNT OF MARINE GREASE TO THE O-RING AND TO THE TOP SURFACE OF THE BEARING AND SLIDE THE HEAD INTO THE BEARING HOUSING.
15. REMOVE THE STEERING CABLE BALL FROM THE STOCK STEERING ARM AND RE-INSTALL IT ON THE U.M.I. ARM OPPOSITE THE BEVELED SIDE. APPLY LOCTITE TO THE THREADS OF BALL. YOU CAN CHOOSE FROM TWO DIFFERENT STEERING RATIOS; INSIDE HOLE STOCK RATIO AND OUTSIDE HOLE IS A QUICKER STEERING RATIO.
16. USING THE LARGE STAINLESS STEEL WASHER AND NYLOC NUT SUPPLIED, FASTEN STEERING ARM TO THE STEERING SHAFT. WITH THE STEERING HEAD TURNED FULL LEFT, THE STEERING ARM SHOULD FACE THE REAR OF THE HULL. BE SURE THE BEVELED SIDE OF THE ARM IS FACING AWAY FROM THE STEERING SHAFT.
17. RE-ATTACH THE RETURN SPRING TO THE EYE BOLT ON THE STEERING ARM.

18. RE-MOUNT THE HANDLEBARS, THROTTLE HOUSING, THROTTLE CABLE AND START/STOP SWITCHES. IF NOT USING THE STOCK BARS IT IS NECESSARY TO FILE THE ROUND PLASTIC TAB OFF OF THE INSIDE OF THE SWITCH HOUSING PRIOR TO INSTALLING.
19. CHECK TO SEE THAT FULL LEFT AND FULL RIGHT STEERING IS STOPPING ON THE BEARING HOUSING STOPS, AND NOT DUE TO CABLE EXTENSION OR COMPRESSION.
20. CENTER THE HANDLEBARS AND CHECK TO SEE THAT THE STEERING NOZZLE ON THE PUMP IS ALSO CENTERED. IF AN ADJUSTMENT IS NECESSARY, IT CAN BE DONE BY ADJUSTING THE BRASS FITTINGS ON BOTH ENDS OF THE STEERING CABLE.
21. CAREFULLY INSPECT THAT ALL OF THE STEERING COMPONENTS ARE SECURELY FASTENED.
22. CHECK UNDER THE COWLING TO MAKE SURE THAT THE CABLES AND VENT HOSE WILL NOT INTERFERE WITH THE MOVEMENT OF THE STEERING ARM.

INSTALLATION IS COMPLETE.