MARINER OUTBOARDS
MERCURY OUTBOARDS

service bulletin

92-3

Power Steering Actuator Repair Kit – P/N 811632

1991 Mariner Mag II
with Optional Power Steering

1991 Mercury XR4
with Optional Power Steering

Power Steering Kits P/N 17443A _ _

Previously, any repair of the power steering system for an actuator seal failure consisted of either reusing the old seal or replacement of the complete power steering cylinder. Now an actuator seal kit is available.

CORRECTION:

Oil leaking from the actuator seal due to blow–out can be repaired by installing the original seal if it is not damaged. Before operating the steering system again, it is necessary to correct the cause of the high pressure which resulted in the seal blow out.

Seal blow–out can be caused by:

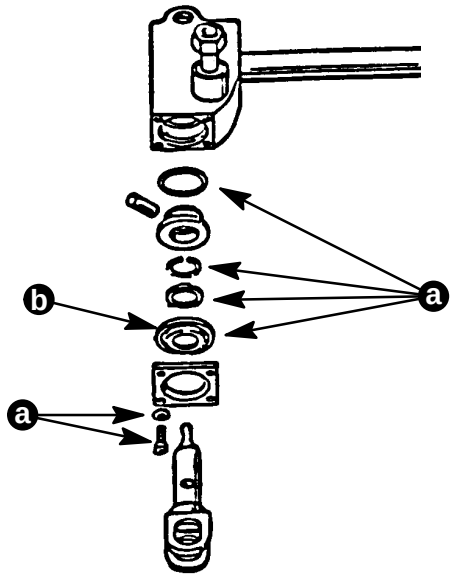
– Overfilling the reservoir.
– Extending or retracting the steering ram prior to removing the factory installed
plastic plugs in the steering cylinder and actuator head.
– Return hydraulic line that is kinked or pinched.

New actuator seal parts are available in actuator repair kit p/n 811632. This repair kit includes O-rings, seals and screws necessary to reseal the actuator.

Apply Loctite 271 (type A) to the threads of the new screws and torque to 25 Lb. In. (2.8 N.m).

INSPECTION:

After resealing the actuator, inspect the steering system for potential kinking of hydraulic lines. Check throughout the full steering and trim/tilt ranges of the outboard.



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a - Parts Included In Repair Kit P/N 811632
b - Actuator Seal

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