



TECHNICAL SERVICE BULLETIN

No. 98800-020 Rev.1
Machine: 800/810
System: CHASSIS

STEERING CYLINDER MOUNT BRACKET

SYNOPSIS :

The 800/810 steering cylinder mount brackets and rear wheel support are subjected to severe centrifugal forces when a machine makes a u-turn. Be sure to inspect all hardware for the steering bracket and rear wheel support when performing maintenance on a machine. Be sure to check for loose or damaged components. The machine could possibly have the wrong hardware or the improper torque on the screws that mount the steering cylinder bracket to the rear drive support casting.

REMEDY / COURSE OF ACTION:

The hardware that mounts the steering cylinder bracket to the rear drive casting may have to be replaced and re-torqued. Please follow the procedure instructions if needed.

SPECIAL TOOLS / CONSIDERATIONS:

None. (Estimated Time to complete: 2 hours or more)

IMPORTANT INFORMATION:

The new updated production 800 machines above serial number 4000 and 810 machines above serial number 3000 feature a more robust steering bracket #375575 and larger M12 mounting socket screws #375576, and washers #32403. The rear wheel support has also been improved. If a machine needs to have the steering bracket or rear wheel support replaced, order kit 375534. This kit includes all parts to update an older machine and will provide improved steering performance.

PROCEDURE:

(Refer to Figure 1)

Use the procedures below only if working on 800 machines below serial number 4000 or 810 machines below serial number 3000 with early style steering bracket and M10 socket head screws.

FOR SAFETY: Before leaving or servicing machine, stop on level surface and set parking brake. Then turn off machine and remove key.

1. Raise the seat.
2. Locate the steering cylinder mount bracket on the top of the rear drive casting.
(Refer to Fig. 1)
3. Check the hardware attaching the bracket to the casting. This hardware should be **SOCKET HEAD CAP SCREWS** (part # 41349), M10-1.5x30mm long with 3/8 **flat washers**, (part # 32492). If any other type of hardware is installed, remove and discard.
(Refer to Fig. 1)
4. On some machines the tapped holes may have dirt and shavings trapped in the holes. This debris can prevent proper engagement of the hardware.
5. The proper depth of the threaded hole should be 7/8 inch. Use a small ruler or scale to check this.

6. Any debris must be thoroughly cleaned out of the tapped holes.
7. Apply red locktite 271 (part # 19857) to the tapped holes and install the socket head cap screws. The proper torque is 46-60 ft lb (63-81 Nm). (Refer to Fig. 1)
8. Check the hydraulic steering cylinder ball joint mounting nuts for proper torque. The torque should be 215-280 ft lb (290-380 Nm).

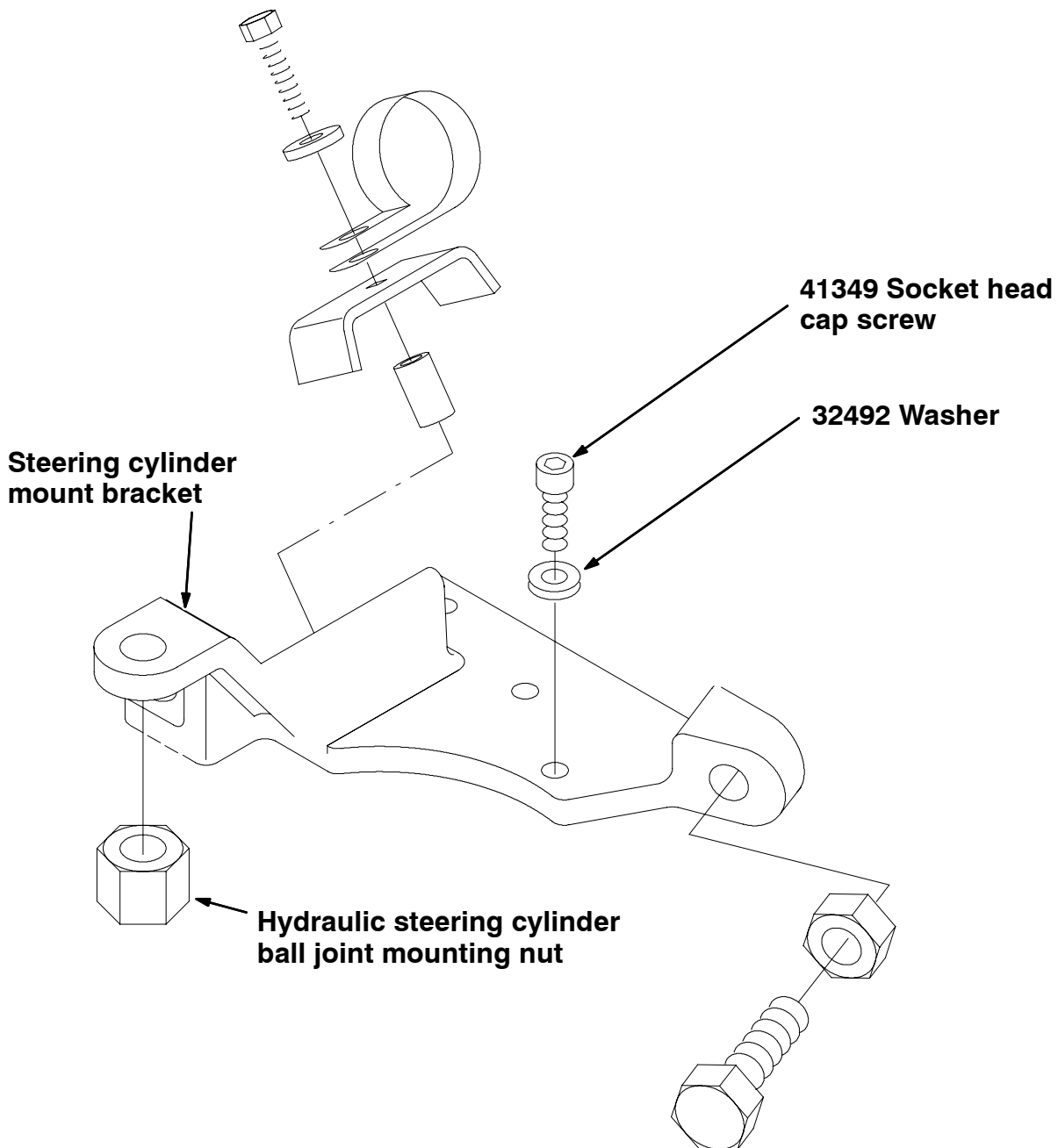


FIG. 1 - Steering Cylinder Bracket