

**GS-X Pinsetter
Stroke Limiter Shock Spring**

The purpose of these instructions is to provide a procedure for replacing a broken internal spring in the GS-X Pinsetter Stroke Limiter Shock. *Figure 1* shows a shock with a broken spring.



Figure 1 - Stroke Limiter Shock Assembly

To change out the spring in this shock, follow the instructions listed below and refer to *Figure 2*.

1. Open the oil plug screw (#2) and empty the hydraulic oil into a clean cup or clean small container.
2. Disassemble the shock body by removing the housing screws (#1).
3. Take out the upper shock housing with the bumper and shock piston.
4. Change out the spring (#3), part number **99-070397-004**.
5. Reassemble the shock by placing the upper housing into the lower housing and reinserting the four housing screws (#1).
6. Tighten the housing screws to 3.5 NM force. Over tightening the screws can cause damage to the housing seal and cause the shock to leak.
7. Check the hydraulic oil for any debris and refill the shock. If additional hydraulic oil is needed, this is Brunswick part number 34-205052-000.
8. The shock should have 90 ml of hydraulic oil. Do not overfill the shocks as this affects the seal.

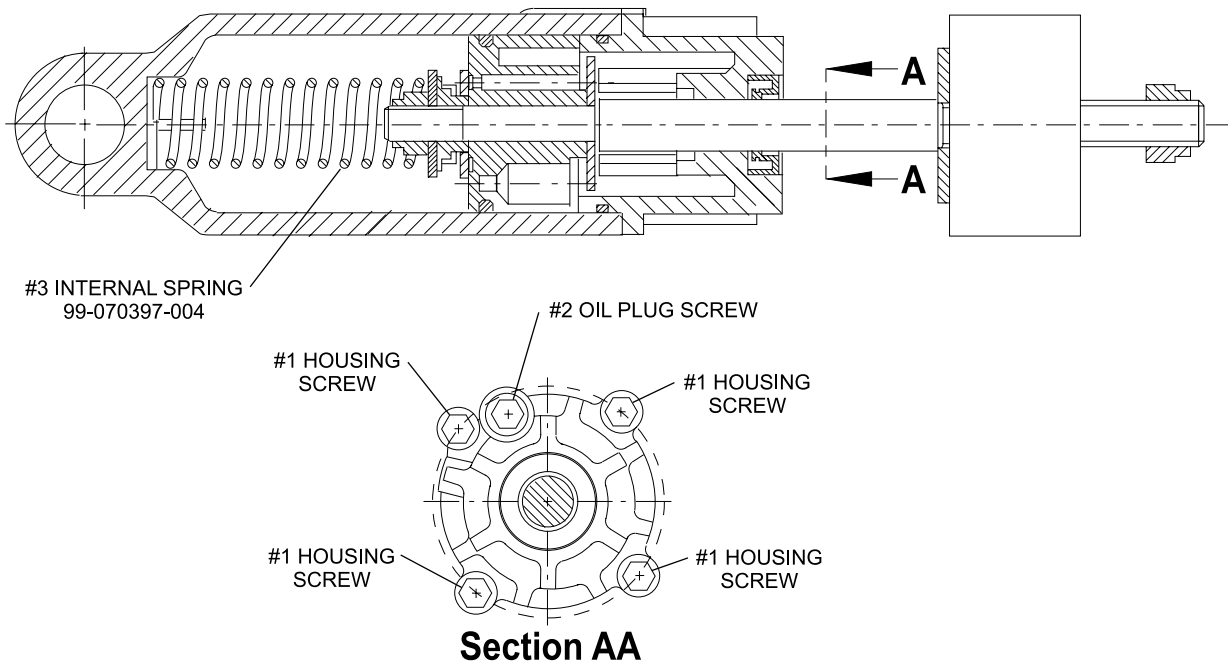


Figure 2