XS850G, SG/XS1100G, SG
HEAVY-DUTY REAR SPRINGS

Heavy-duty rear shock springs for the affected models are now available from your Yamaha Parts Distributors Inc. warehouse. They are to be installed in conjunction with full-dress touring accessories. A special tool has been developed to install these springs; it too is available from your YPDI warehouse.

AFFECTED MODELS

All XS850G and XS850SG
All XS1100G and XS1100SG

PROCEDURE

Shock Removal and Installation

XS850G and XS1100G: With the machine on the centerstand, the shocks can be removed after removing the grab rail and taking off the nuts and bolt which hold the shocks on. It is recommended that one shock at a time be removed to avoid damaging the mufflers if the swingarm should drop too far.

XS850SG and XS1100SG: Use the following procedure to remove the shocks on the Special models:

1. Remove the seat.
2. Remove the cap nuts which hold both top shock mounting eyes to the frame.
3. Unplug the taillight wires.
4. Remove the bolts which hold the grab rail to the frame. Remove the grab rail.
5. Remove the cap nut which holds the lower mounting eye of the left-hand shock to the swingarm.
6. Pull the top of the shock away from the frame lug. Turn the shock toward the rear of the machine and gently pull it off the lower mounting lug. Take care to avoid scratching the muffler.
7. Loosen the bolt which holds the bottom of the right-hand shock to the swingarm.
8. Pull the top mounting eye of the right-hand shock off the frame lug. Wrap the top of the shock with a shop towel to avoid scratching the frame and side cover, and position the top mounting eye slightly forward of the frame lug.
9. Grasp the swingarm and raise it until the bolt clears the muffler. Pull the bolt out and remove the right hand shock.

To reinstall the shocks, reverse the above procedure.

Shock Spring Replacement

1. Securely clamp the bottom mounting eye of the shock in a vise with soft jaws (such as brass, aluminum, or plastic). Be sure the preload-adjusting ring is in the softest position.

2. Install the special tool as shown in Photo 1.

WARNING: Failure to use this special tool (or another tool specifically designed to remove and replace heavy-duty shock springs) could result in injury to the person performing this operation and damage to the shock.

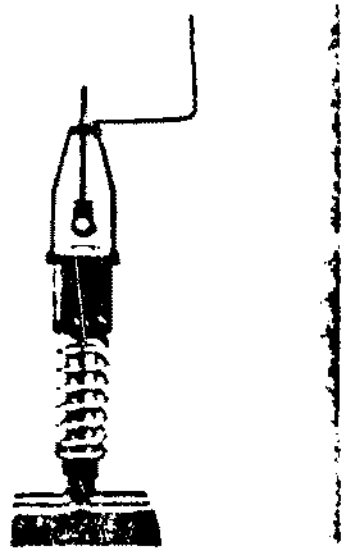


PHOTO 1

3. Turn the handle of the tool until the spring is compressed enough for the retaining clip to be removed.

4. Push the rubber bumper down the shaft and out of the way. Remove the retaining clip; see Photo 2.

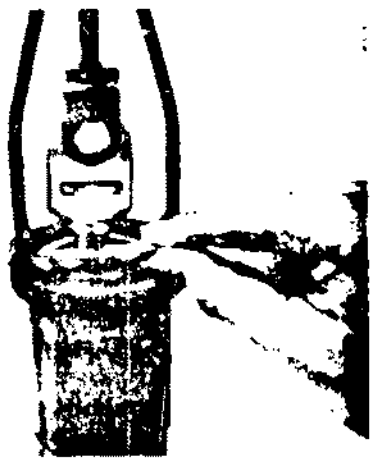


PHOTO 2

5. Remove the handle from the tool and slide the tool body off the threaded bolt of the tool; see Photo 3.

CAUTION: When turning the handle of the tool to remove it, be sure the mounting eye does not damage the spring cover.

6. With the threaded bolt still attached, remove the spring cover and the spring.



PHOTO 3

NOTE: Some early-production shocks have a spring-centering spacer beneath the shock spring; see Photo 4. This spacer must be removed and discarded when the heavy-duty spring is installed. Do **not** remove the preload-adjusting ring.

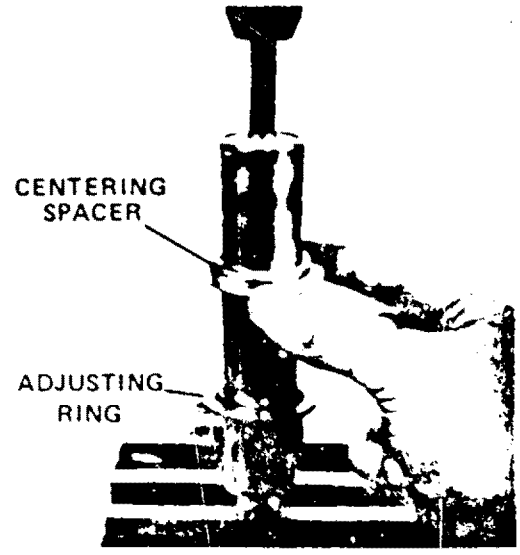


PHOTO 4

7. Install the heavy-duty spring over the threaded bolt and on the shock. Be sure the tapered end of the spring rests on the preload adjusting ring, and the retaining clip will fit into the top of the spring.

8. Install the spring cover on the spring.

NOTE: On the Special models, the reflector on the spring cover must face outward, away from the machine. See Illustrations 1 and 2 for the proper relationship of the spring cover to the retaining clip and the mounting eye.

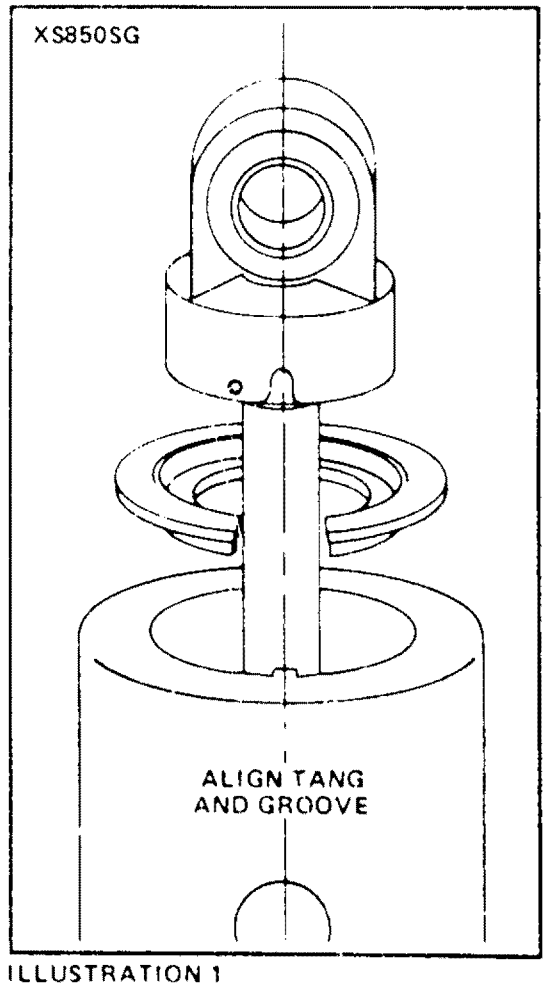


ILLUSTRATION 1

9. Slip the special-tool body over the threaded bolt and onto the shock. Be sure the preload-adjusting ring is still in the softest position.

10. Install the handle of the tool, and turn the handle until the spring is compressed enough to slip the retaining clip into place.

11. Install the retaining clip.

12. Slowly turn the handle of the tool to allow the spring to expand into place.

CAUTION: Be sure the spring cover and spring are carefully aligned with the mounting eye as the spring expands; if they are misaligned, the shock could be damaged.

13. Remove the special tool from the shock.

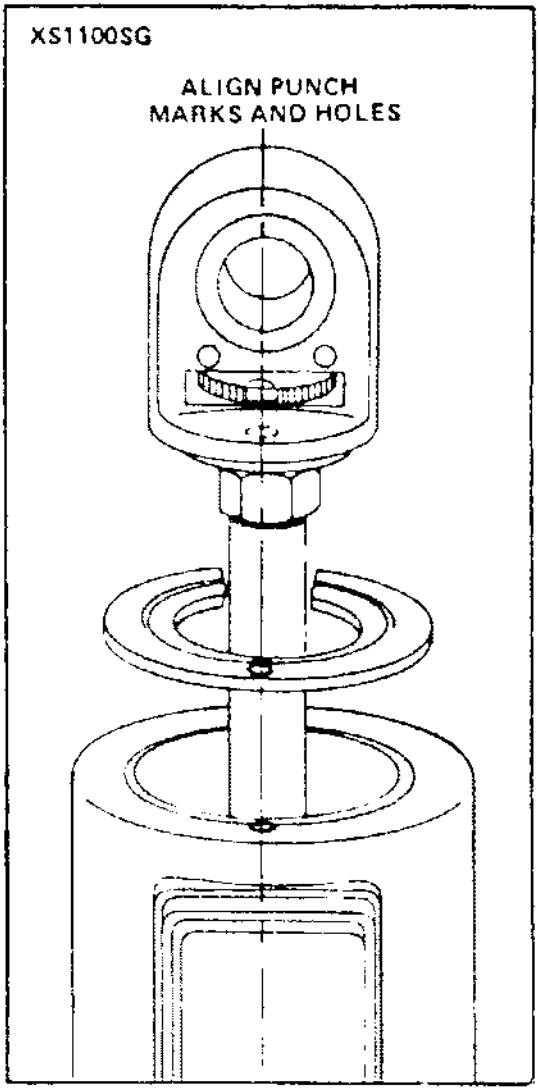


ILLUSTRATION 2

PARTS INFORMATION

PART NUMBER	DESCRIPTION	REMARKS	DEALER COST
ACC-11151-32-00	Heavy-duty Rear Springs, pr.	XS1100G	
ACC-11151-32-10	Heavy-duty Rear Springs, pr.	XS1100SG	
ACC-11151-35-00	Heavy-duty Rear Springs, pr.	XS850G, SG	
TLM-90910-55-00	Shock Spring Compressor		

WARRANTY