

VT No. 18-8328

Manual Primary Chain Adjuster

Additional Parts Required

Proper installation of this kit requires the separate purchase of a primary cover gasket and other seals, that vary depending on the model.

Kit Contents

See Figure 4 and Table 2.

INSTALLATION

1. Refer to the appropriate service manual and remove seat.
2. Disconnect negative (-) battery cable.
3. Refer to the appropriate service manual and remove primary cover.
4. See Figure 1. Remove two screws with the OE automatic tensioner from the primary case and remove the tensioner. Save the two screws.

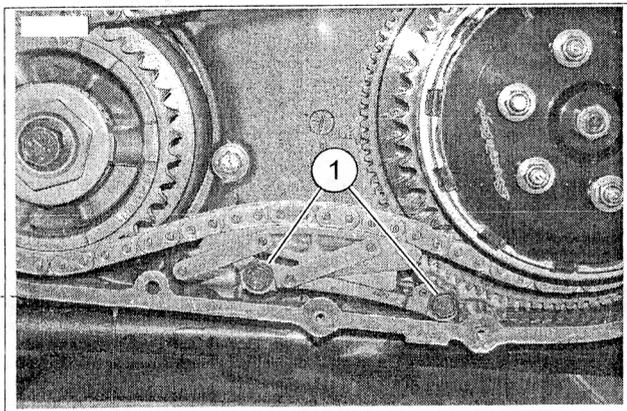


Figure 1. Remove Two Screws

5. Install the lower adjuster from the kit using two screws from previous tensioner. Tighten screws to 21-24 ft-lbs (28.4-32.5 Nm).

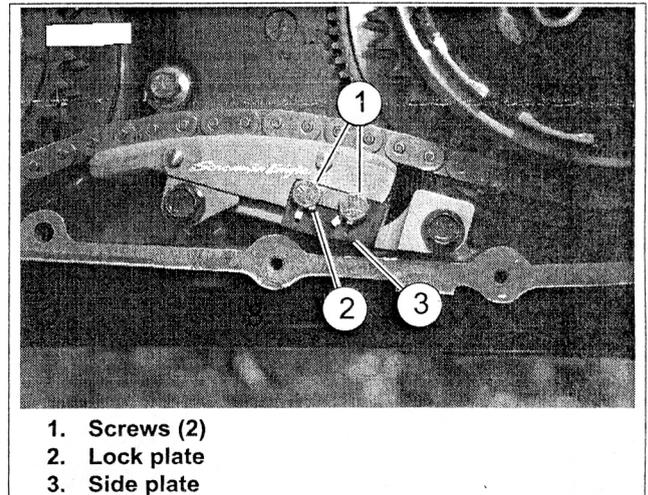


Figure 2. Install Cap Screws to Side Plate and Lock Plate

6. See Figure 2. Install the upper adjuster with shoe. Install the two hex cap screws (1) through the lock plate (2) and the side plate (3) and loosely assemble to upper adjuster.
7. Check the primary chain tension. Push on the upper strand to verify that it has free up and down movement midway between the engine compensating sprocket (front) and the clutch sprocket (rear).
8. Measure the free play to be sure that it falls within the range specified for a hot or cold engine. Refer to Table 1.

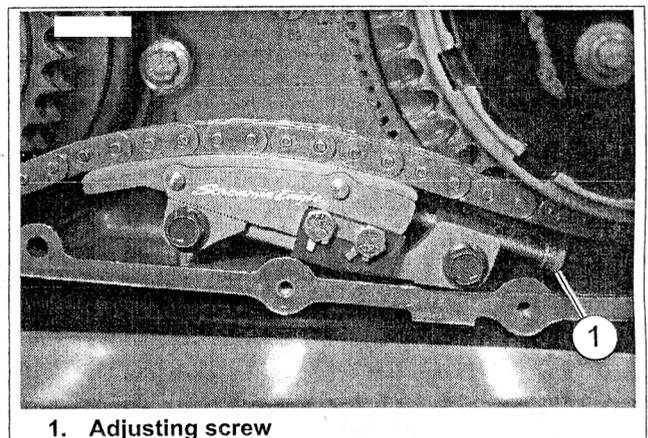


Figure 3. Adjusting the Chain

NOTICE

To prevent primary drive damage, remove adjustment screw from tensioner when adjustment is complete.

Table 1. Primary Chain Adjustment

FreePlay	Inches	Millimeters
Cold Engine	5/8-7/8 inch	15.9-22.2 mm
Hot Engine	3/8-5/8 inch	9.5-15.9 mm

9. See Figure 3 and Table 1. Using a ball end hex driver for the socket head cap screw adjust the chain tension to specifications.
10. Tighten side plate screws to 55-60 (in-lbs) (74.5-81.3 Nm). Bend a tab of the lock plate for each hex cap screw choosing a tab that is closest to a flat on head of the hex cap screw.

11. Remove the adjuster screw after tightening and save the screw to reuse.

NOTES

As chains stretch and wear, they run tighter at one spot than another. Always adjust the free play at the tightest spot in the chain. Replace the primary chain if it is worn to the point where it cannot be properly adjusted.

Always keep the primary chain properly adjusted. Allowing the chain to run too tight or too loose will result in excessive chain and sprocket wear.

12. Replace the primary cover and fill with lubricant as needed.
13. Connect negative cable (-) to battery
14. Refer to the appropriate service manual and install seat.

SERVICE PARTS

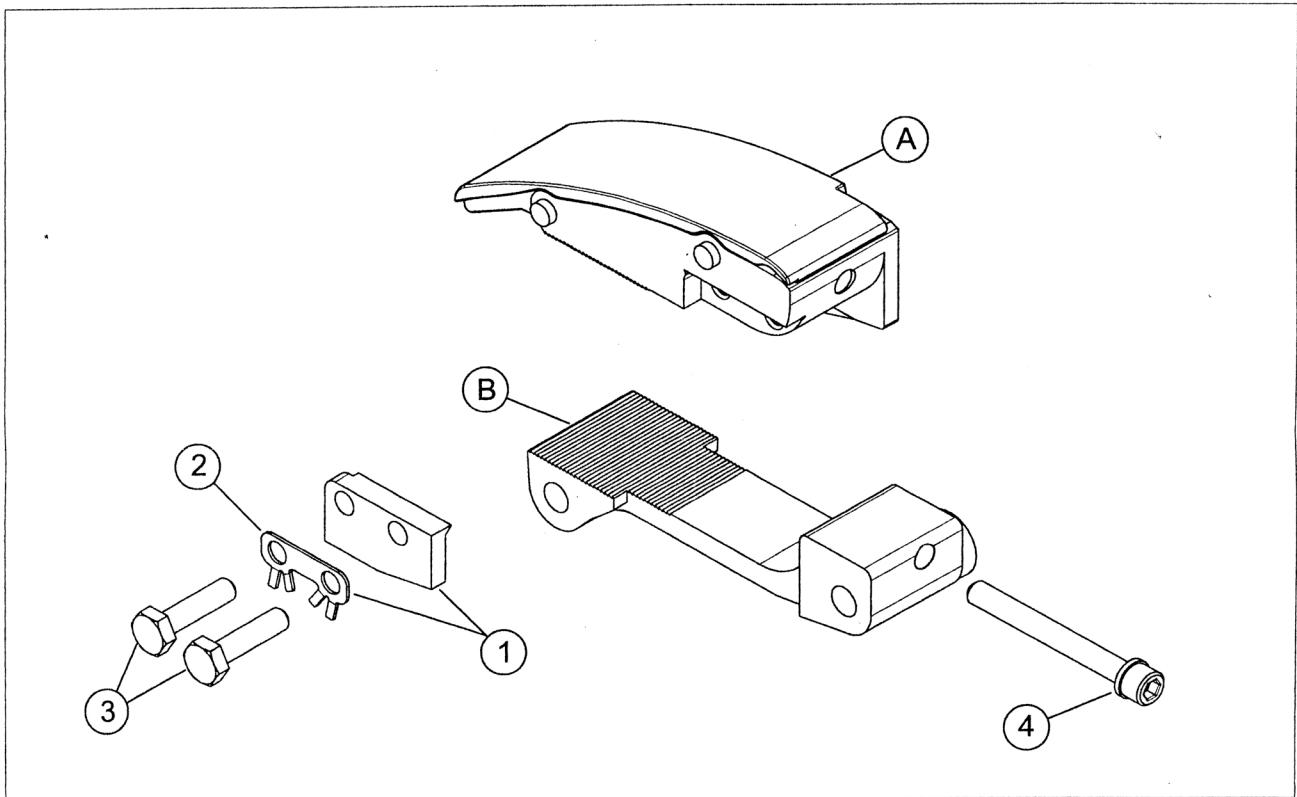


Figure 4. Manual Primary Chain Adjuster

Table 2. Service Parts Table

Item	Description (Quantity)
1	Kit, Side Plate and Lock Plate
2	Lock Plate
3	Hex Cap Screws (2)
4	Hex Socket Head Cap Screw
Items mentioned in text, but not included in kit:	
A	Upper Adjuster with Tensioner shoe
B	Lower adjuster