

FXB PRIMARY BELT ADJUSTMENT

Beginning in January, 1981 FXB model motorcycles have an improved PRIMARY BELT HOUSING, Part No. 60502-80A. The improved housing will allow approximately 1/8 in. of adjustment to the primary belt.

Starting with VIN 1HD1BDK16BY032711, all FXB's will have the improved primary housing.

Use the following procedure to adjust the primary belt.

Primary Belt Adjustment

WARNING

To avoid accidental start-up of vehicle and possible personal injury, disconnect the battery cables (negative cable first) before performing any of the following procedures.

1. Remove the primary cover and gasket.
2. See Figure 1. Cut and remove safety wire, loosen four 5/16 in. dia. bolts securing primary case to crankcase.

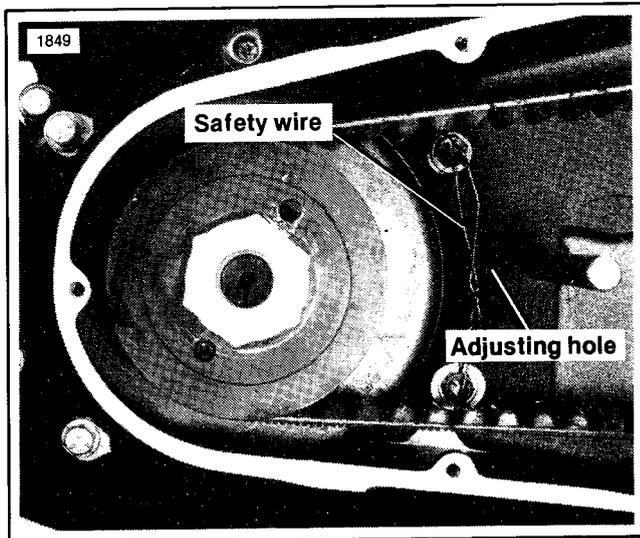


Figure 1. Safety Wire

3. Loosen four nuts securing transmission to transmission mounting plate and bolt securing transmission to frame tab.
4. See Figure 2. Loosen two nuts securing starter motor.

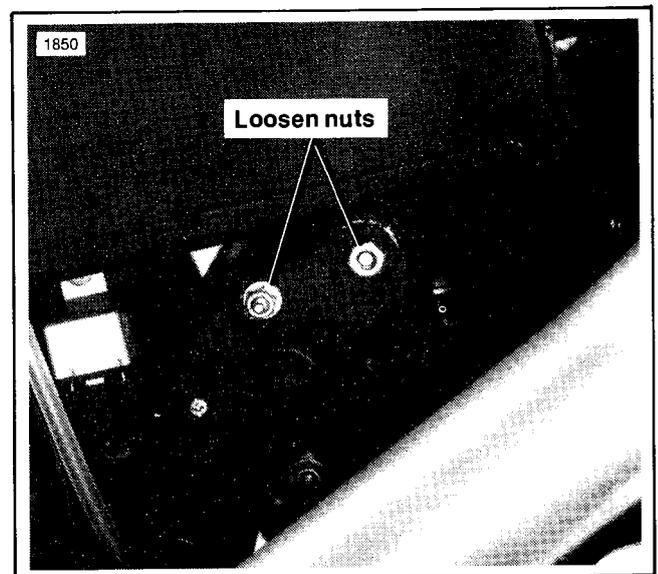


Figure 2. Starter Motor Frame

5. See Figure 3. Carefully insert a screwdriver, or similar tool, through hole in housing. Pry against crankcase to increase tension on belt.

Check belt free play; increase or decrease belt tension, as necessary, until free play is within specifications shown. Insufficient free play will result in clutch drag; excess free play will be felt as "PLAY" in the drive train, with accompanying noise.

Holding screwdriver in place, to maintain correct tension, tighten two inside bolts to 19 ft-lbs torque. Tighten two outside bolts to 19 ft-lbs torque.

ROUTING:	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	CHIEF MECHANIC	MECHANIC NO. 1	MECHANIC NO. 2	MECHANIC NO. 3	MECHANIC NO. 4	RETURN THIS TO:
INITIAL HERE									

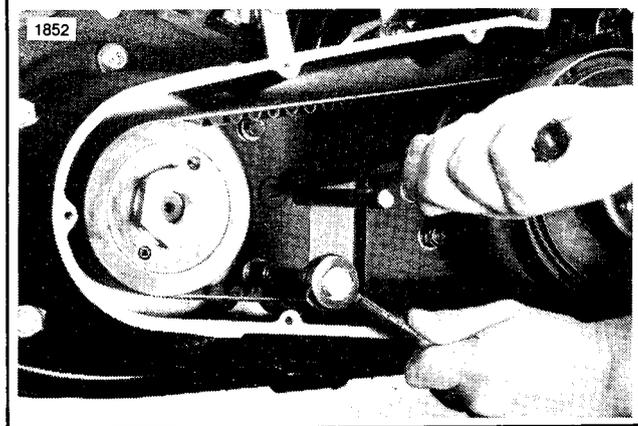
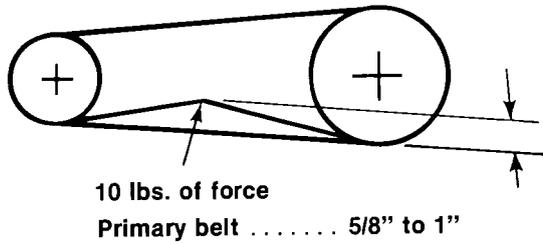
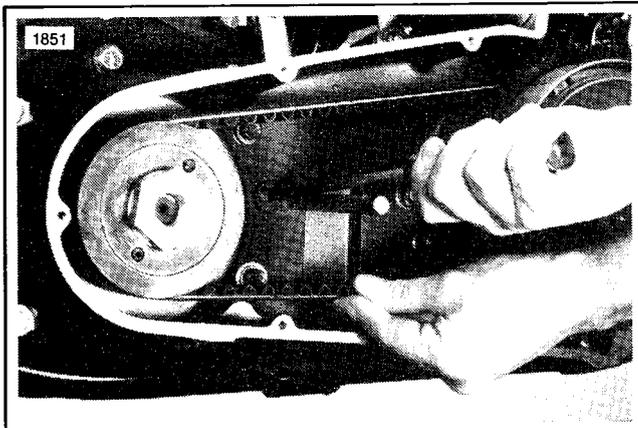


Figure 3. Primary Belt Adjustment

NOTE

Some vehicles manufactured just after the design change was implemented will not have a hole drilled through the case. Carefully pry between the alternator rotor and primary case to increase belt tension.

6. See Figure 1. Install a new safety wire through inside bolts.

CAUTION

Operation of the vehicle without a safety wire could cause severe damage within primary case.

7. Tighten four nuts securing transmission to transmission mounting plate to 18-22 ft-lbs torque.

Tighten bolt securing transmission to frame tab to 18-22 ft-lbs torque.

8. See Figure 2. Tighten two nuts securing starter motor.
9. Reinstall primary cover and new gasket.

NOTE

(See Figure 4.) The inner primary housing has one mounting slot that has been ground out to provide belt clearance. Instead of using eight mounting screws of the same length, the FXB uses seven long screws and one short screw. This shorter screw must be mounted in the position shown.

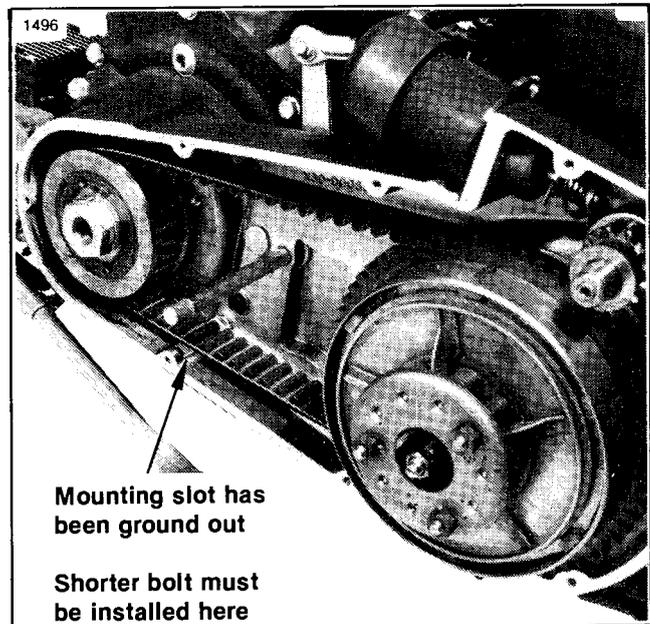


Figure 4. FXB Primary Housing

10. Perform the following adjustments per instruction in the current SERVICE MANUAL, Part No. 99482-81:

- A. Adjust rear brake pedal free play.
- B. Adjust and align secondary drive belt.
- C. Adjust clutch cable.
- D. Adjust shifter linkage.

WARNING

All adjustments must be checked before vehicle is operated to avoid possible damage to vehicle and possible personal injury.

11. Reinstall battery cables, positive cable first.