

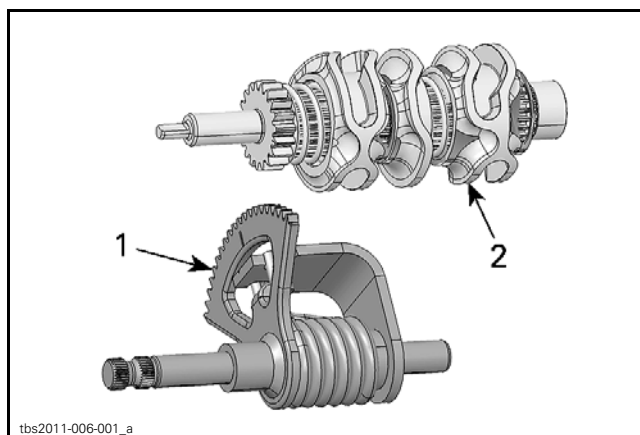
November 19, 2010 Subject: **Shifter Cable Adjustment**

No. **2011-6**

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2011	All Commander™	All	All

The shifting mechanism of the Can-Am® Commander gearbox has a unique design.

The shift shaft and shift drum are pre-loaded with springs in pre-selective mode for positive gear selection when vehicle is stopped.



1. Shift shaft
2. Shift drum

With this gearbox configuration, the shifter cable adjustment is critical. Use the following procedure when shifter cable adjustment is required.

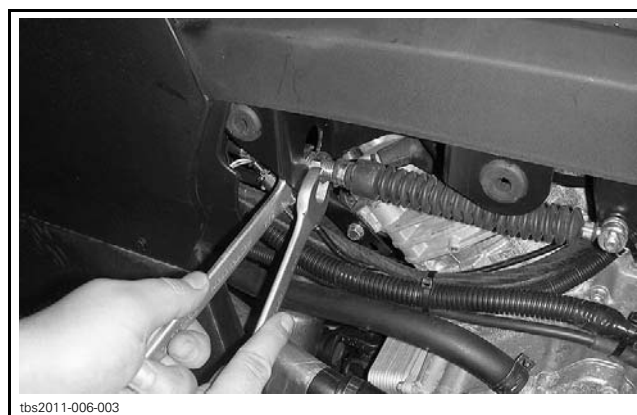
SHIFTER CABLE ADJUSTMENT

1. Set gearbox to neutral. Move vehicle back and forth or turn wheels to insure gearbox is in neutral.

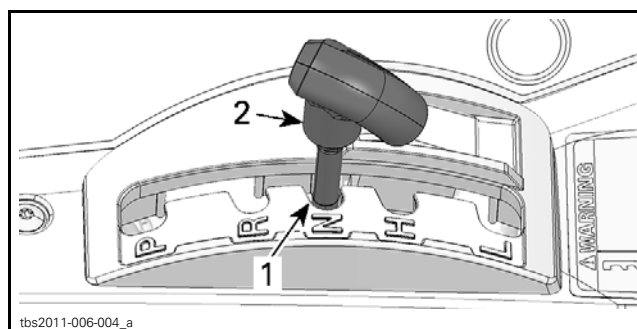
NOTICE If the gearbox is not in neutral, springs inside gearbox might be compressed which could lead to inappropriate shifter cable adjustment or shifting sleeves damaged.

2. Remove the driver's seat.
3. Remove the LH lateral console panel.

4. Loosen shifter cable adjustment nuts.



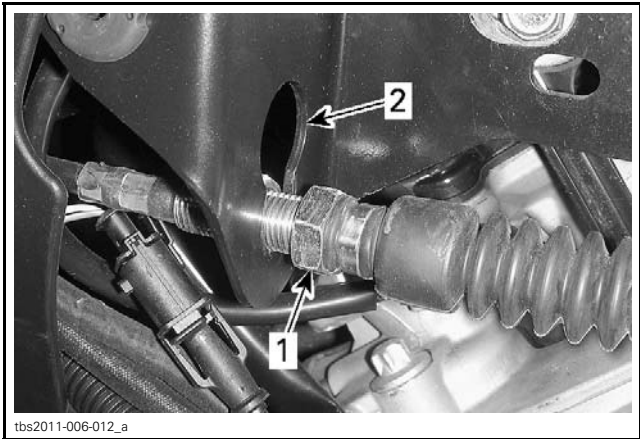
5. Using adjustment nuts, move the shifter cable so that the shift lever is centered in the NEUTRAL slot.



1. NEUTRAL slot
2. Shift lever centered in NEUTRAL slot

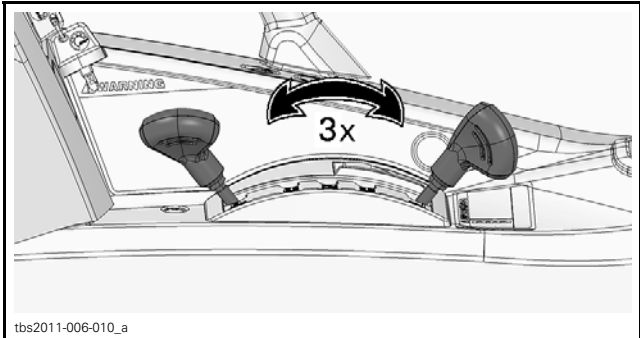
6. Tighten shifter cable adjustment nuts (finger tight).

NOTE: Make sure shifter cable is positioned at the lowest position in support slot.



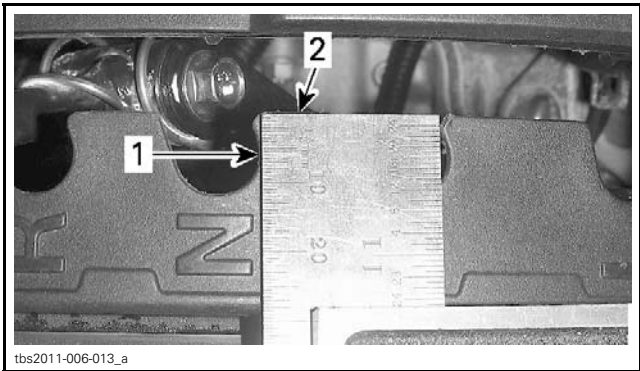
1. Shifter cable adjustment nut
2. Support slot

7. Move 3 times the shift lever from PARK to LOW.



8. Install a square on the edge of:

- Shift lever slot
- Neutral slot.

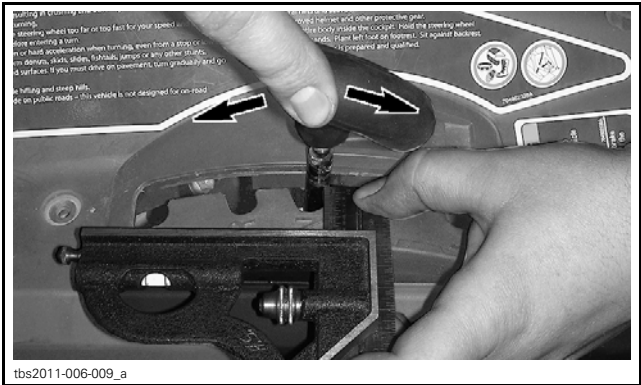


1. Square flush HERE with neutral slot
2. Square flush with shift lever slot

9. Move and hold the shift lever to neutral position without engaging it in the neutral slot.

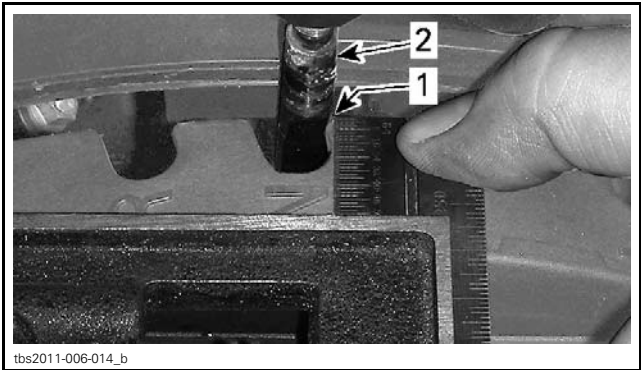
10. Using a finger, gently move the shift lever back and forth to determine the shift lever free play.

NOTE: Do not force the shift lever. The free play is the shift lever movement before a resistance is felt.



SHIFT LEVER FREE PLAY

11. Find the mid-position of free play. In this position, the rear side of the shift lever rod must be equal to the front edge of the square.



SHIFT LEVER FREE PLAY MID-POSITION

1. The middle of free play must be here
2. Rear side of the shift lever rod

12. If required, loosen shifter cable adjustment nuts and readjust the shifter cable.

13. Repeat steps 10 to 12 until the best possible shifter cable adjustment is obtained.

NOTE: It is important to move the shift lever from PARK to LOW before each measurement of the shifter cable free play.

14. Tighten shifter cable adjustment nuts.

PART	TORQUE
Shifter cable adjustment nuts	24.5 N•m (18 lbf•ft)

15. Move the shift lever to PARK and check if the gearbox is locked.

NOTE: If the gearbox cannot be locked when shift lever is on PARK, redo this procedure completely.

16. Reinstall the LH lateral console panel and the driver's seat.

17. Test drive the vehicle to confirm proper shifter operation in all gears.