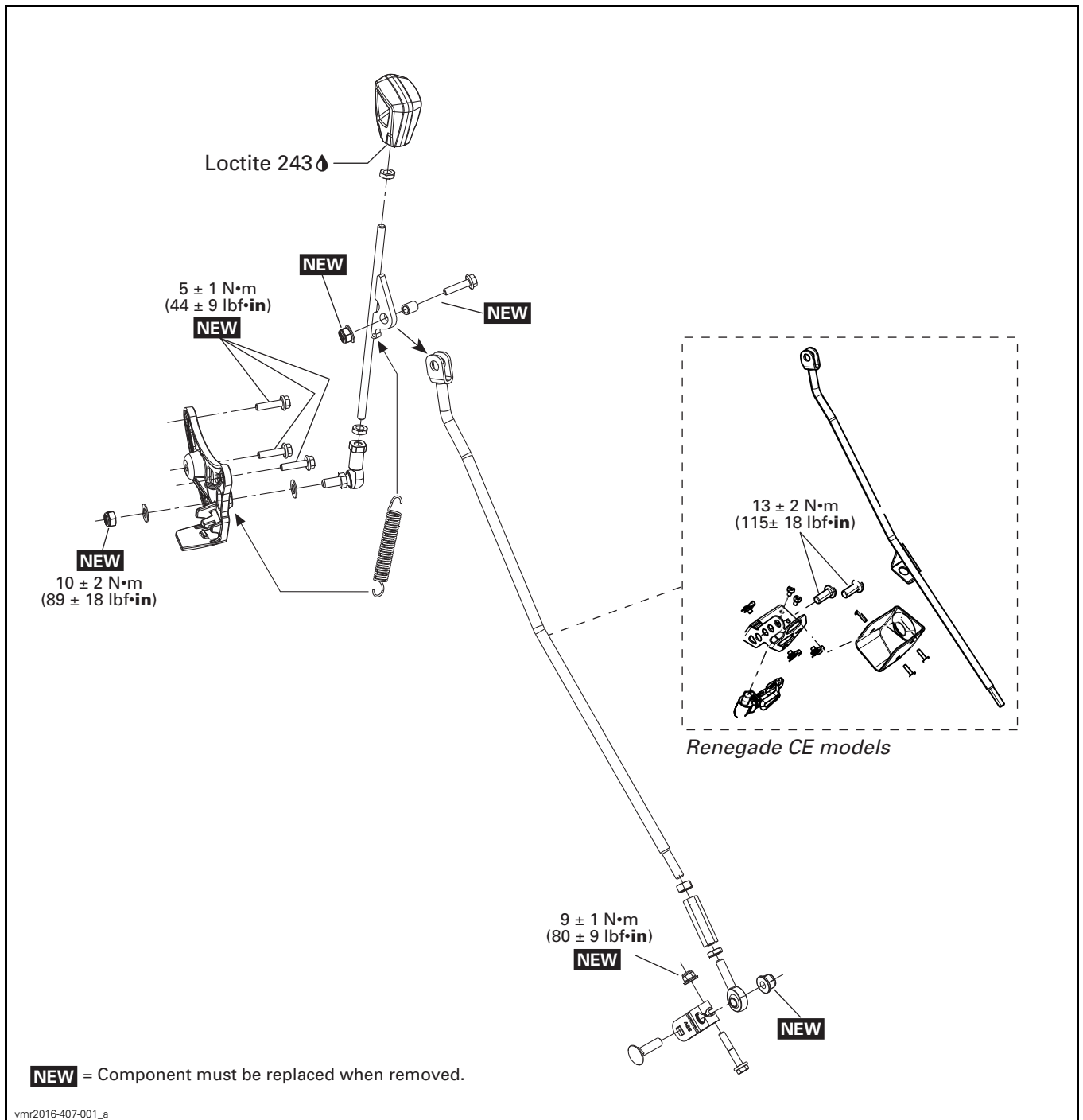


SHIFTER (GEARBOX WITH GBPS)

SERVICE PRODUCTS

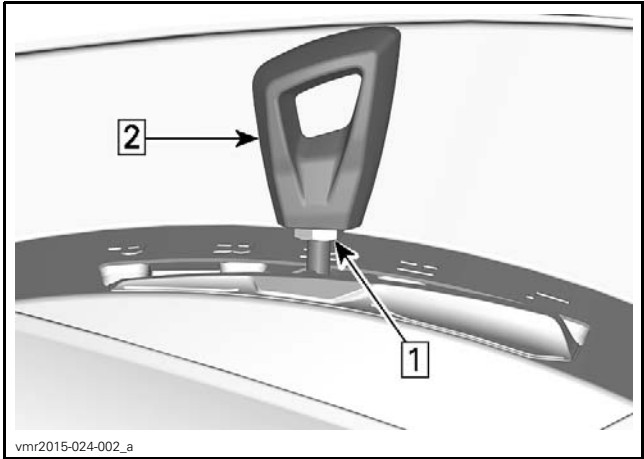
Description	Part Number	Page
LOCTITE 243 (BLUE).....	293 800 060	2



PROCEDURES

HANDLE

Handle Removal



Step 1: Loosen lock nut
Step 2: Unscrew shift lever handle

Handle Installation

Reverse the removal procedure.

SERVICE PRODUCT	WHERE USED
LOCTITE 243 (BLUE) (P/N 293 800 060)	Shift lever threads

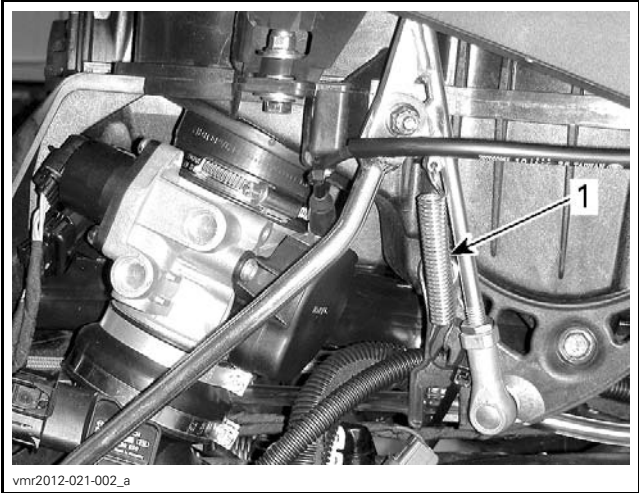
SHIFT LEVER

Shift Lever Access

1. Refer to *BODY* subsection and remove the following components:
- Seat
 - Console
 - RH side panel.

Shift Lever Removal

1. Remove body parts as required. Refer to *SHIFT LEVER ACCESS* in this subsection.
2. Place shift lever in **NEUTRAL** position.
3. Secure vehicle using wheel chocks.
4. Unscrew shift lever handle.
5. Unhook spring.



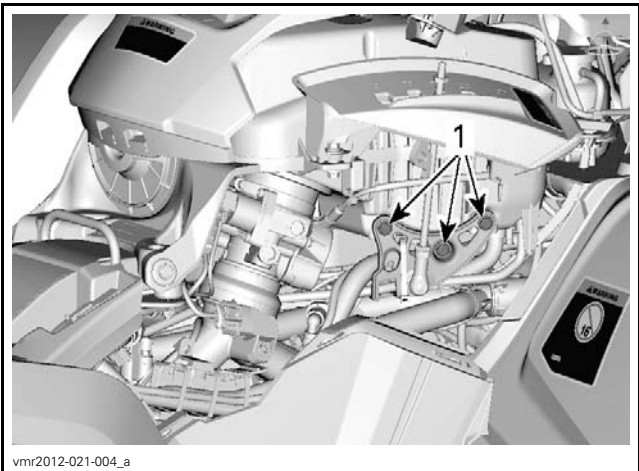
1. Unhook

6. Detach shift rod from shift lever.



1. Detach

7. Detach shift lever support.



1. Remove bolts

8. Remove shift lever.

Shift Lever Inspection

Check shift lever for bending or cracks.

Check spring and bushing condition.

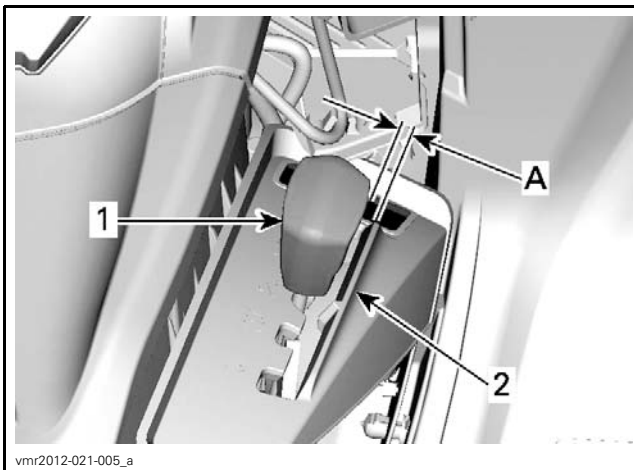
Check ball joint condition.

Replace all damaged parts.

Shift Lever Installation

The installation is the reverse of the removal procedure. However, pay attention to the following.

Adjust shift lever handle as per the following illustration.



SHIFT LEVER HANDLE ALIGNMENT

1. Handle
2. Ridge

A. Handle parallel with ridge

Check if shift lever works properly in all positions. Ensure throttle cable does not interfere with shift lever in all positions.

NOTE: Shift lever must be perfectly centered with the neutral mark when transmission is engaged in neutral.

If adjustment is required, refer to *SHIFT ROD ADJUSTMENT* in this subsection.

SHIFT ROD

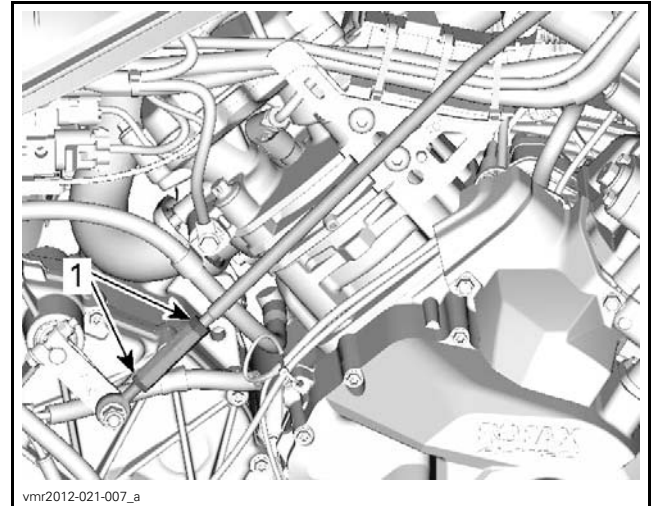
Shift Rod Adjustment

1. Place shift lever in **NEUTRAL** position.

NOTICE Move vehicle back and forth to ensure gearbox is set in neutral position.

2. Secure vehicle using wheel chocks.
3. Remove body parts as required. Refer to *SHIFT LEVER ACCESS* in this subsection.
4. Loosen shift rod adjustment nuts.

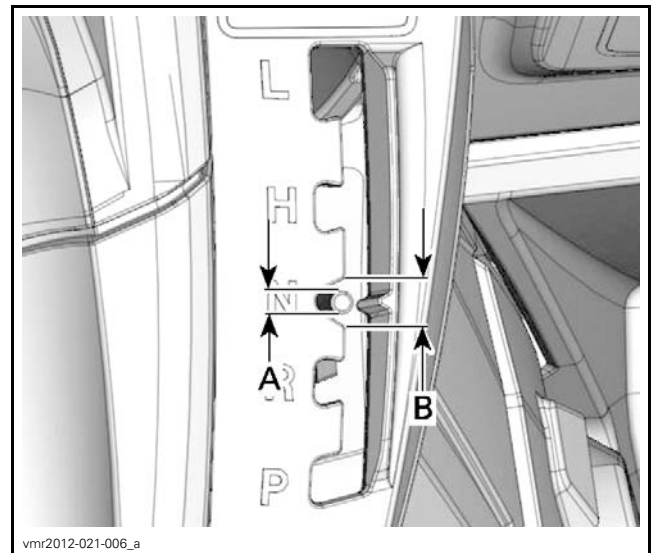
NOTE: Be aware that a nut has LH threads.



TYPICAL — SOME PARTS REMOVED FOR CLARITY

1. Adjustment nuts

5. Turn rod adjuster to center shift lever in neutral notch.



SHIFT LEVER CENTERED WITHIN NEUTRAL NOTCH

- A. Shift lever
- B. Neutral notch

6. Move shift lever in R position then in H.
7. Place shift lever in **NEUTRAL** position.
8. Check if shift lever is properly centered in neutral notch. Readjust as required.
9. Hold adjuster steady and tighten lock nuts.
10. Test the shifter to confirm that the system works properly in all positions.

NOTE: Make sure the ball joint is properly aligned with the shift plate. It may be necessary to realign shift rod ball joints to allow easy movement.

WARNING

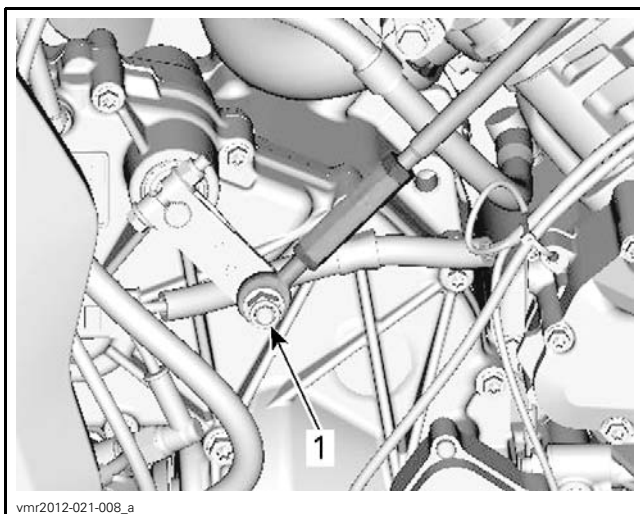
After adjustment, make sure that PARK position works properly.

SHIFT PLATE

Shift Plate Removal

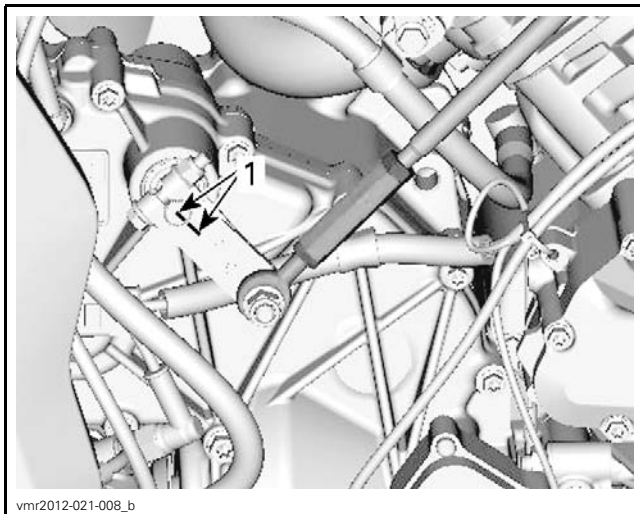
NOTE: Do not remove shift plate needlessly.

1. Place shift lever in **NEUTRAL** position.
2. Refer to *BODY* subsection and remove the RH engine cover.
3. Remove shift rod from shift plate.



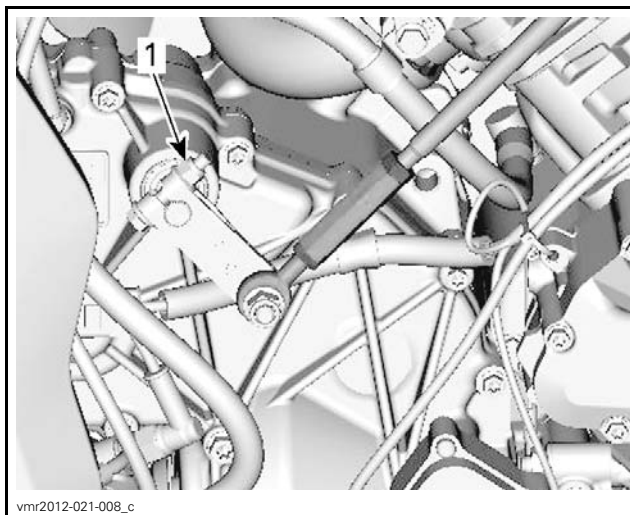
1. Remove nut

4. Trace an index mark on shift plate and shift shaft.



1. Trace a mark on both parts

5. Remove shift plate nut and bolt.



1. Shift plate nut

6. Remove shift plate.

Shift Plate Inspection

Check shift plate for:

- Cracks
- Bending
- Spline condition.

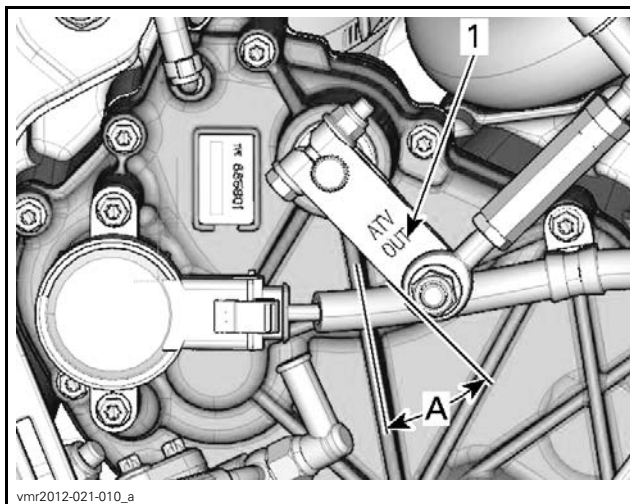
Shift Plate Installation

The installation is the reverse of the removal procedure. However, pay attention to the following. Place gearbox in **NEUTRAL** position before shift plate installation.

Position shift plate with the marking "ATV OUT" visible outward.

Align shift plate using marks previously traced.

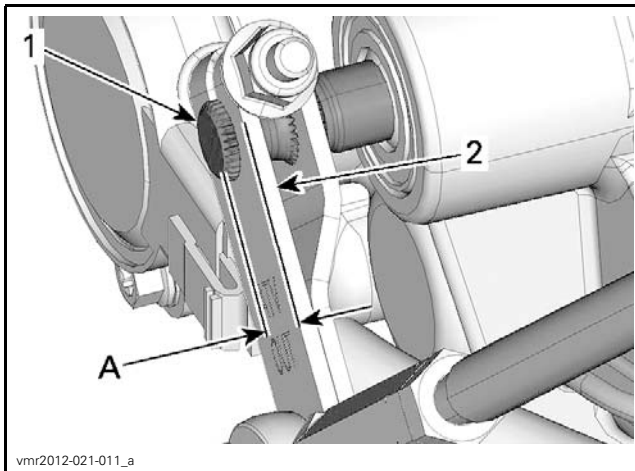
If there is no mark, adjust shift plate as per following illustrations.



1. "ATV OUT" marking this side

A. 34°

Ensure that shift shaft protrudes shift plate as per illustration.



1. Shift shaft end

2. Shift plate

A. $2.5\text{ mm} \pm 1\text{ mm}$ (.1 in $\pm$.040 in)

Adjust shift rod, refer to *SHIFT ROD ADJUSTMENT* in this subsection.

Tighten shift plate nut to specification.

TIGHTENING TORQUE	
Shift plate nut	$9\text{ N}\bullet\text{m} \pm 1\text{ N}\bullet\text{m}$ $(80\text{ lbf}\bullet\text{in} \pm 9\text{ lbf}\bullet\text{in})$