DRIVE BELT FAILURE TROUBLESHOOTING (ENGINE MOUNT INSPECTION)

An increase in repeat ATV drive belt failures has alerted Polaris that areas of inspection are not being thoroughly checked. If a drive belt failure is encountered, use the following procedures to ensure a repeat failure does not occur.

1. Remove the seat, both side panels, and the left-hand footwell from the ATV.

2. Remove the PVT cover and drive belt.

3. Using a suitable prybar, inspect the upper engine mount. Apply force to the prybar using the upper portion of the main frame as leverage while applying force to the engine mount bracket as shown (see Figure 1.1). Inspect the upper engine mount. Replace mount if separated.

4. Using the same prybar, pry up on the lower engine mount bracket near the engine case using the lower portion of the main frame for leverage (see Figure 1.2). Inspect the lower engine mount. Replace mount if separated.

5. If both engine mounts are intact, proceed with inspecting the clutch alignment and offset. Refer to the appropriate ATV Service Manual for each procedure. If either needs adjustment, proceed to step 6. If clutch alignment and offset are within specification, proceed to Step 9.

6. With engine mounts loose, align the drive and driven clutches. Refer to the appropriate ATV Service Manual for Clutch Alignment procedure.

7. After clutch alignment has been set, tighten the engine mounts and proceed to checking the clutch offset. To set the clutch offset, refer to the appropriate ATV Service Manual for Clutch Offset procedure.

8. If applicable, set belt deflection to the specification provided in the appropriate ATV Service Manual.

9. If the belt was broken, the engine mounts were good and the clutch alignment was within specification, please educate your customer on the proper use of high and low range in order to preserve belt life. Instruct customer to allow drive belt to break-in. Refer to the Sportsman Owner’s Manual for proper break-in procedure.