

RS 800 automatic transmission – Foot pedal sticking / difficult to put in reverse

I- Issue and root cause

Issue:

When releasing the right pedal, the tractor does not automatically return to the Neutral position: “sticking pedal”

Inversion from forward to reverse is difficult.

The brake pedal functions normally.

Root cause:

Pollution prevents the primary variator pulley to open and properly disengage the variator belt.

II- How to locate the Primary variator pulley

Location:

The drive pulley is located at the rear end of the transmission, just below the tractor seat.

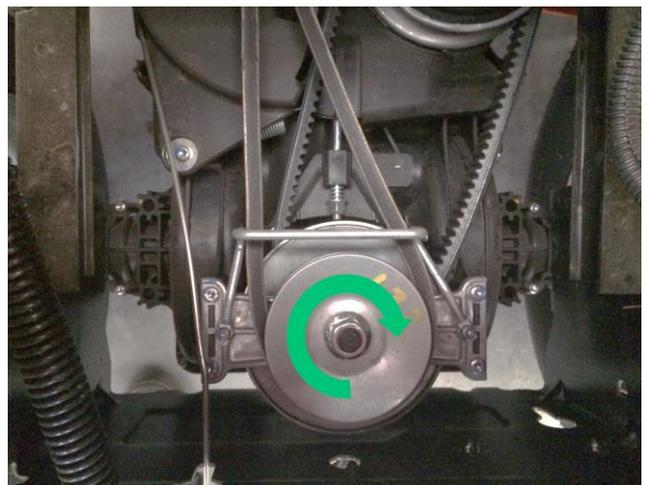


Test:

1 Engage the tractor parking brake to slacken the drive belt.

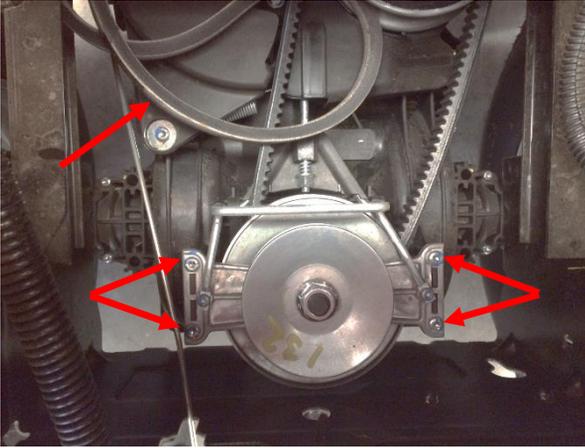
2 Manually rotate the pulley as shown below.

If the pulley cannot rotate freely, the primary pulley is not fully opened and keeps driving the variator belt.

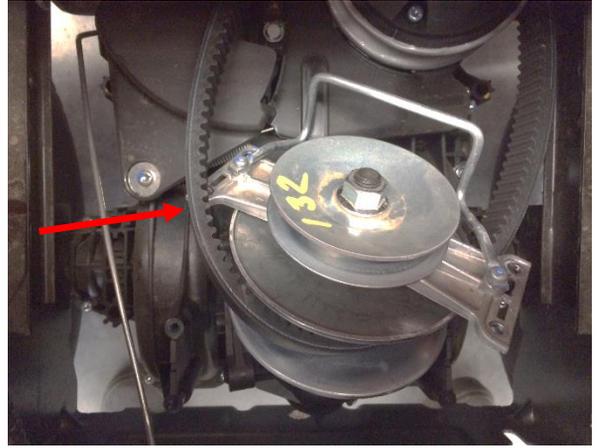


III- Clean the variator pulley area

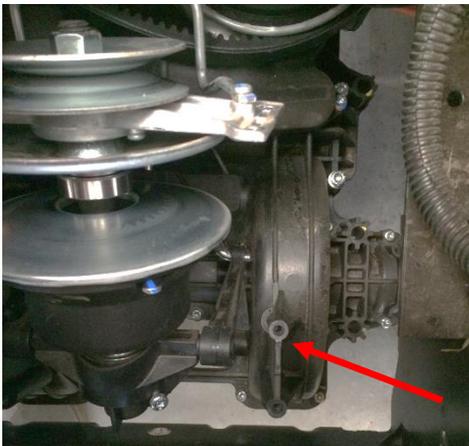
1- Remove the drive belt and 4 screws



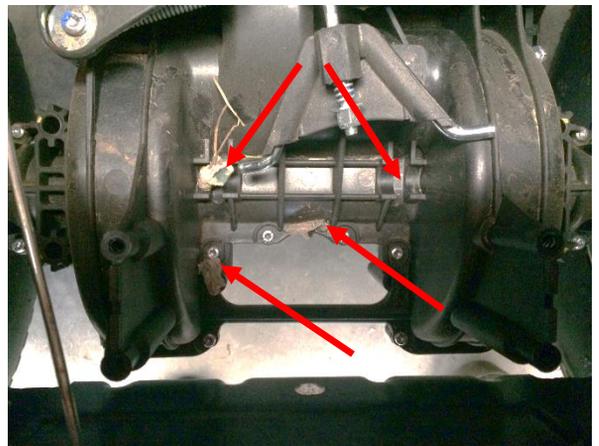
2- Remove the variator belt



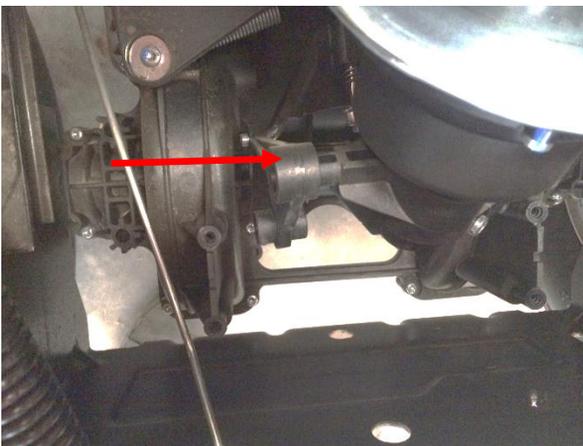
3- Remove both variator levers



4- Clean all the area from debris, pebbles, soil.



5- Install the variator lever on both sides of the variator pulley.



6- Insert the variator belt in the pulley.

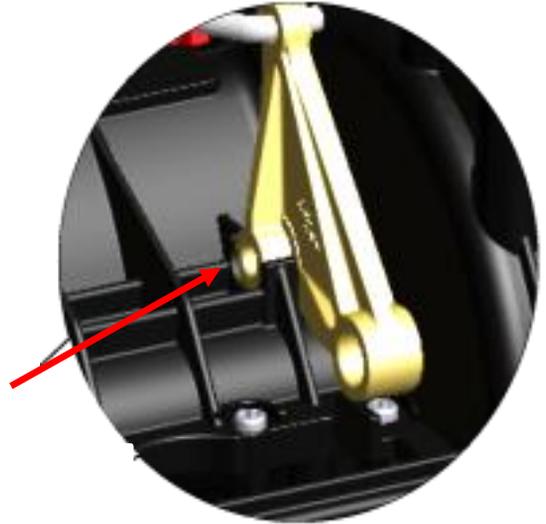
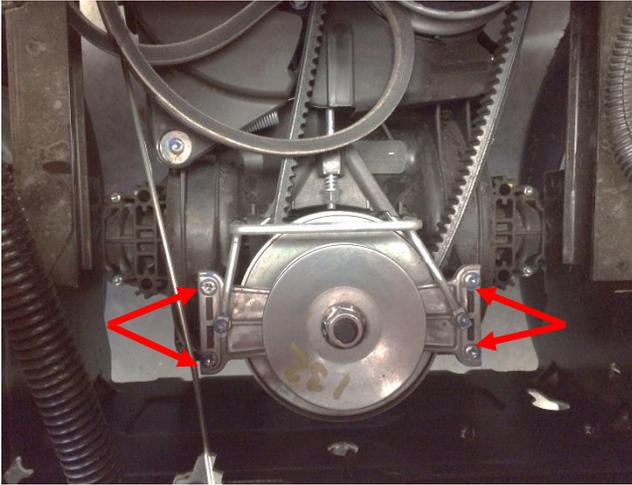


III- Clean the variator pulley area

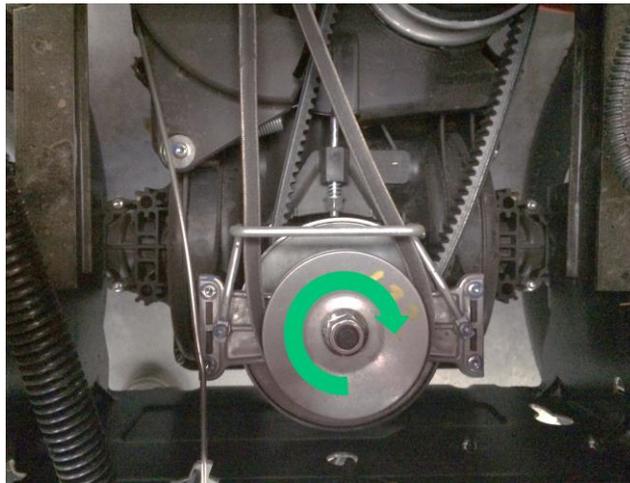
7- Put back the variator pulley in place and tighten the 4 screws

It is recommended to glue the screws using Loctite 454 or similar.

Make sure that both variator levers are properly seated in the housing



8- Make sure that the variator pulley rotates freely, then install the drive belt in the pulley



If part are visually damage it is recommended to change them from service kit: ref GT79254 for the pedal version and ref GT79325 for the fender version.