

RT400 - Troubleshooting

Define if it is an internal failure

Follow the 3 steps below to verify the transmission's internal functioning.

1st Step – Check the differential system

With the selector in Neutral position, lift up the rear of the tractor, then manually rotate one wheel. The other wheel should rotate the opposite direction.



2nd Step – Check for gears failure between input shaft and output shaft

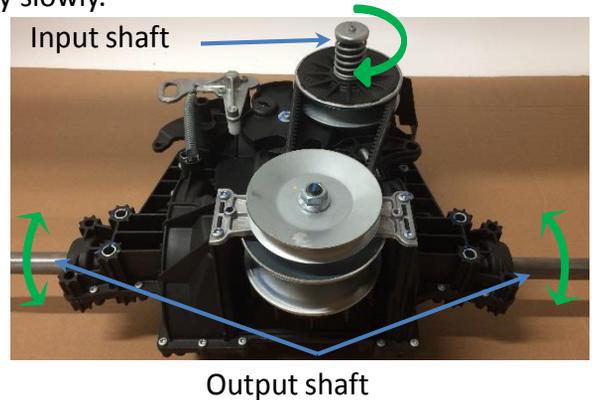
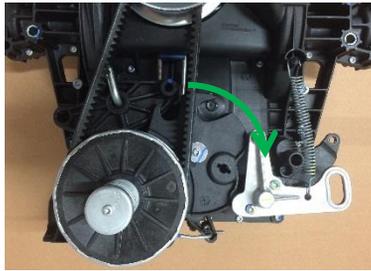
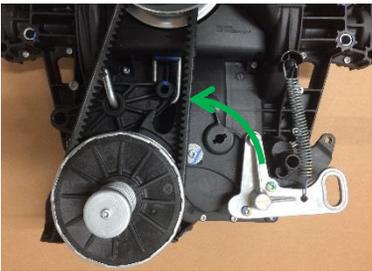
When rotating the input shaft, the output shaft should rotate.

Should be tested both in forward and reverse direction.

Due to the transmission ratio, the output shaft rotates very slowly.

Forward

Reverse



3rd Step – Check the brake system (can be done on the tractor)

With the transmission in neutral position, the output shafts cannot rotate both in the same direction.

By engaging the bypass lever, the output shafts should be free in rotation.

(can be difficult to rotate the output shaft by hand)

Neutral position



If the transmission cannot perform these 3 steps, the transmission needs to be replaced

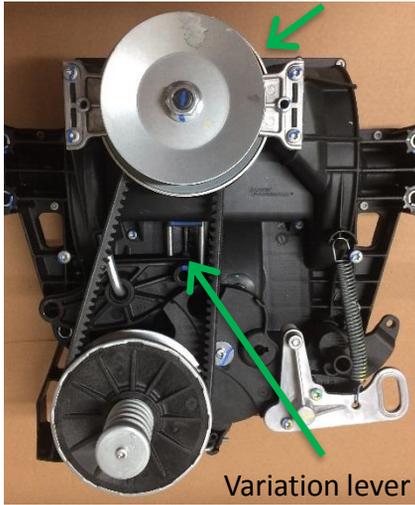
See next page to review potential external failure.

Issue caused by an external failure

1) Shifting issue - Unable to move the Forward/Reverse selector

Issue can be caused by debris in the variation lever area or Primary pulley area.

Primary pulley



Variation lever

Debris in variation lever area



Debris in Primary pulley area



2) Loss of speed – Loss of torque

Issue can be caused by a damaged Primary pulley or Secondary pulley.

Primary pulley



Secondary pulley

Primary pulley damaged by debris



Secondary pulley axle worn



Damage caused by incorrect drive belt routing

