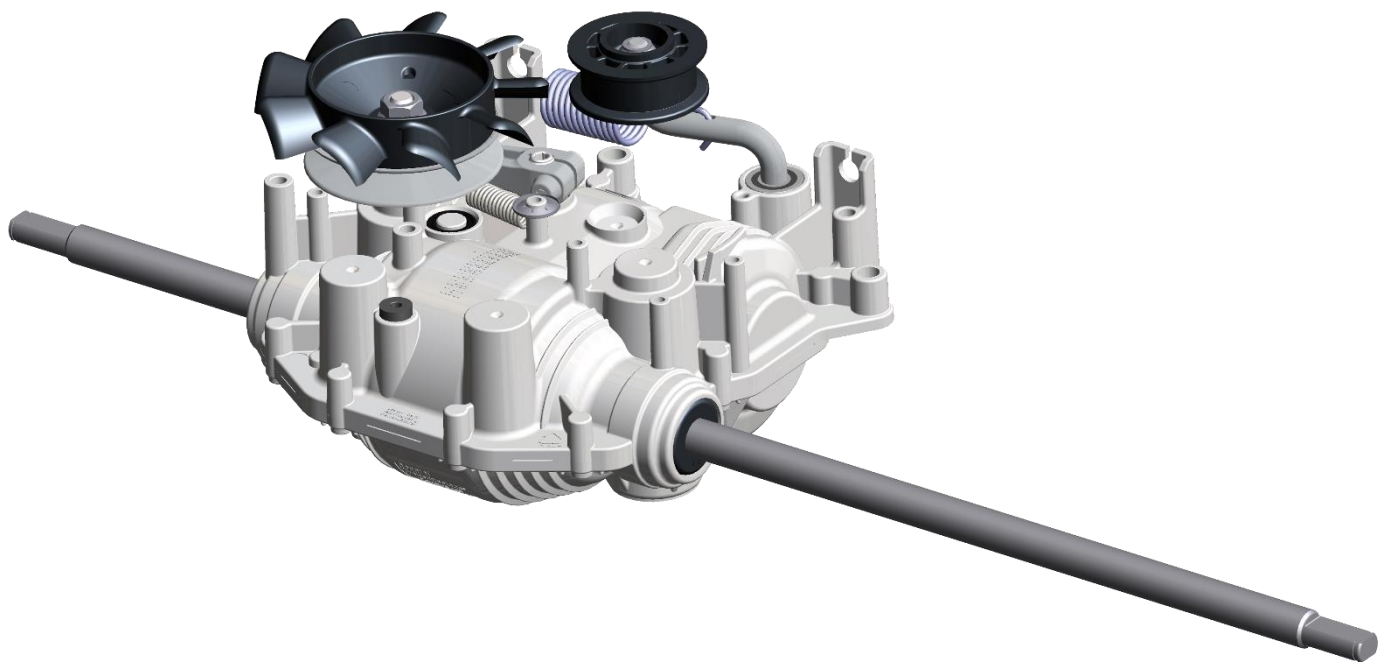


## Transmission MV702



## Product Installation & Troubleshooting

### I- Remove transmission

- 1) Remove mower wheels, plastic covers and axle gears from both sides



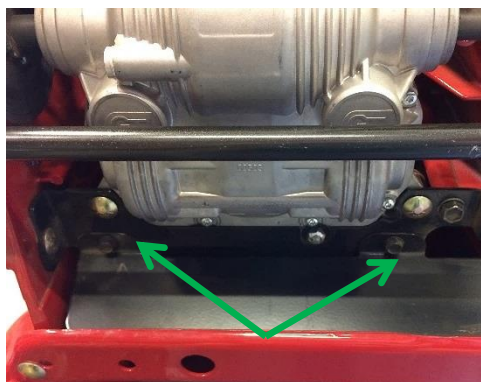
- 2) Remove belt from the pulley

Open the rear lid, remove the fan, then remove the belt from the pulley.



- 3) Release spring tension

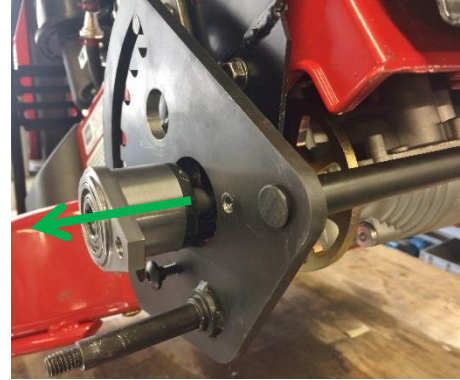
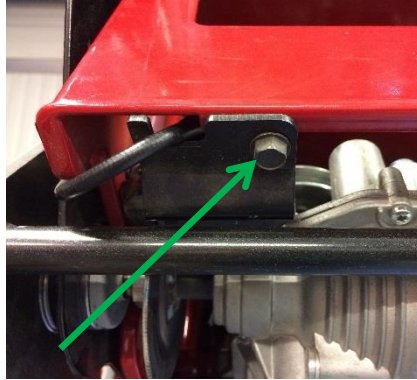
After removing the protective covers, release the spring tension.





### 4) Remove brake and bushings

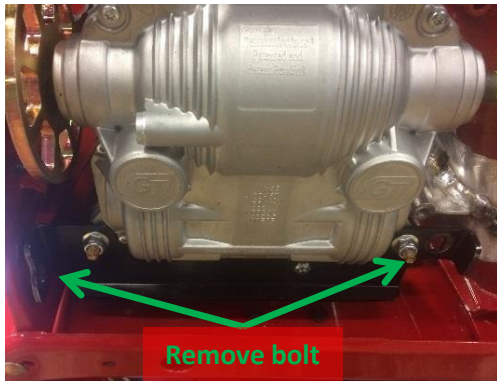
Remove the brake system, then remove bushings from both side.



### 5) Disconnect clutch cable from the transmission

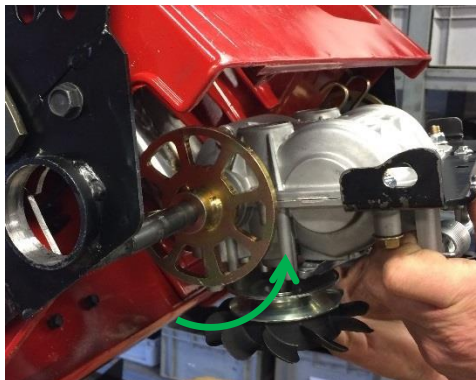
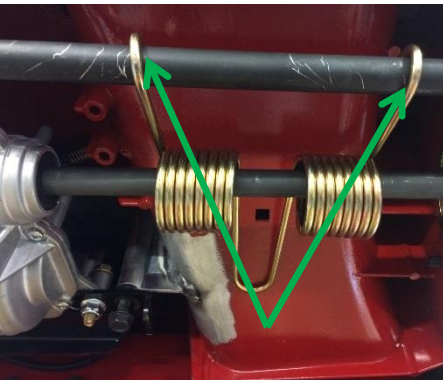
Remove bolts, then rotate the transmission to access the cable.

Be careful not to damage the sheath when rotating the transmission.



### 6) Remove transmission from the deck

Unhook the spring from the rear axle, then completely rotate the transmission to remove it from the deck.

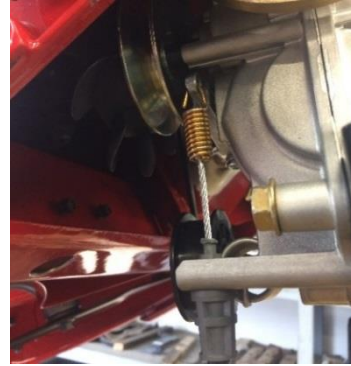


### II- Install transmission

#### 1) Install the transmission in the deck

Install the transmission, then connect the cable.

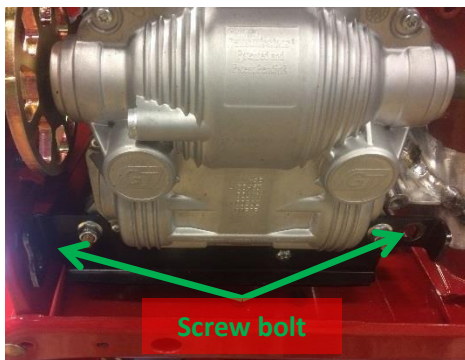
The rear axle should be installed before the transmission.



#### 2) Put the transmission in place

Rotate the transmission and loosely screw the bracket to maintain the position of the transmission.

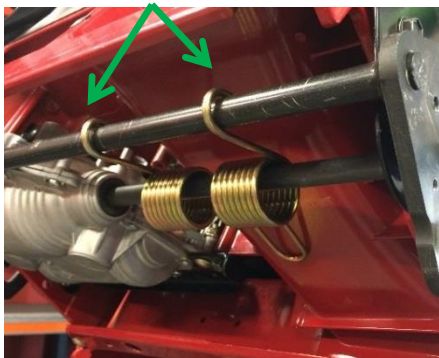
Make sur that the sheath is properly installed.



#### 3) Install bushings

Hook the spring on the axle and install both bushings, then screw the transmission bolts. Make sure that the brake is located between the deck and the rear axle.

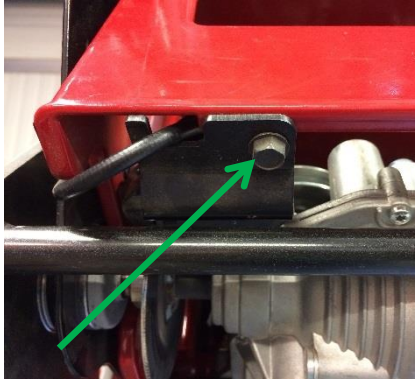
**Add anti-seized grease in bushings if nedeed**





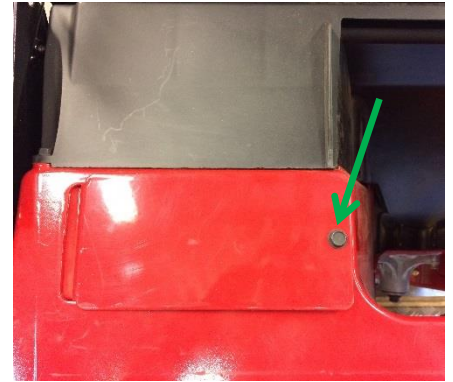
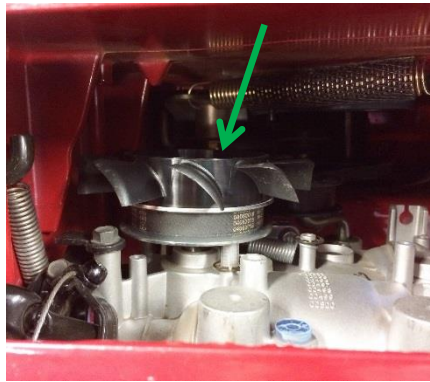
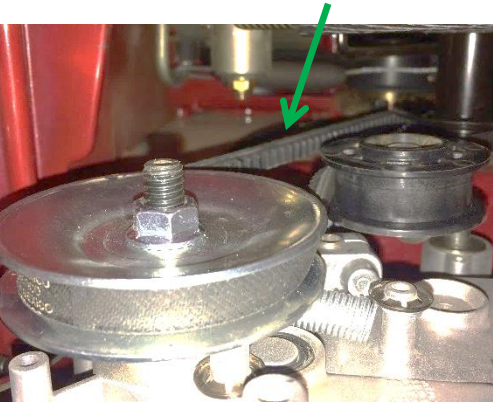
### 4) Install brake system

Screw the brake system to the transmission and to the deck, then screw down the rear axle spring.



### 5) Install belt

Install the belt and the fan on the pulley, then close the lid.



### 6) Install wheels

Insert both axle gears and clips, plastic covers and wheels.



## Transmission MV 702 - Troubleshooting

Problem	Possible cause	Correction	§
Lack of traction	<ul style="list-style-type: none"> <li>Incorrect clutch cable tension</li> <li>Clutch lever loose on its axle</li> <li>Worn belt</li> <li>Incorrect brake setting</li> <li>Damaged idler pulley</li> <li>Internal issue</li> </ul>	<ul style="list-style-type: none"> <li>Adjust cable</li> <li>Adjust lever position</li> <li>Replace belt</li> <li>Adjust the brake</li> <li>Verify or replace idler pulley</li> <li>Replace transmission</li> </ul>	1a 1b - 4 2 -
Complete loss of traction	<ul style="list-style-type: none"> <li>Belt jumped off or damaged</li> <li>Broken or loose clutch cable</li> <li>Internal issue</li> </ul>	<ul style="list-style-type: none"> <li>Replace belt</li> <li>Replace cable</li> <li>Replace transmission</li> </ul>	- 1c -
Loss of traction on 1 side	<ul style="list-style-type: none"> <li>Damaged mower wheel</li> <li>Internal issue</li> </ul>	<ul style="list-style-type: none"> <li>Refer to lawn mower manual</li> <li>Replace transmission</li> </ul>	- -
Does not disengage	<ul style="list-style-type: none"> <li>Cable seized in sheath</li> </ul>	<ul style="list-style-type: none"> <li>Replace cable and sheath</li> </ul>	1c
Loss of differential	<ul style="list-style-type: none"> <li>Shafts seized inside the transmission</li> </ul>	<ul style="list-style-type: none"> <li>Replace transmission</li> </ul>	-
Leak		<ul style="list-style-type: none"> <li>Check oil level / Replace oil</li> </ul>	3

### § 1- Adjust clutch cable

- a.** Verify the position of the clutch lever.
- A cable maladjustment can also be due to an incorrect lever position.

- The position of the lever, in clutching position should be 2,64" or more



- b.** Adjust lever position.
- In the disengaged position, the lever should be in contact with its stop.

- Loosen the screw to rotate the lever to its correct position, then tighten the screw.





## Transmission MV 702 - Troubleshooting

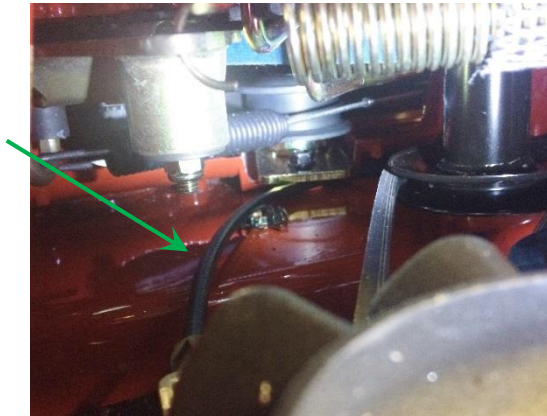
- c. Replace the traction cable.
  - Always use the cable provided by the mower manufacturer.

- Lift the rear of the mower then adjust the cable using the handlebar sheath adjustment.
- When the wheels start to engage, slightly release the cable, then tighten the sheath adjustment



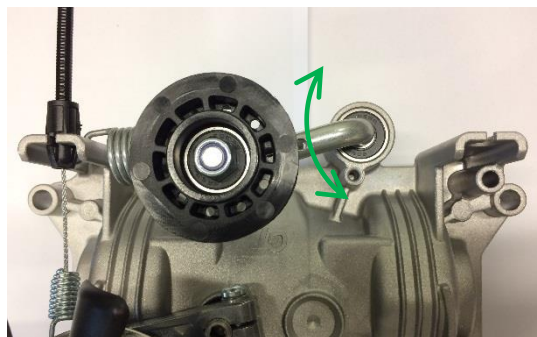
Sheath  
adjustment

- The sheath should be connected to the transmission as straight as possible.
- Avoid any bends that could affect the quality of the clutch.

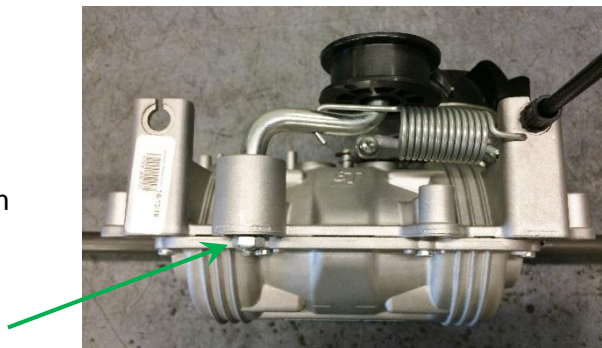


### § 2- Replace Idler pulley

- The idler pulley should not be worn and its axle must be free in rotation to ensure a proper belt tension.



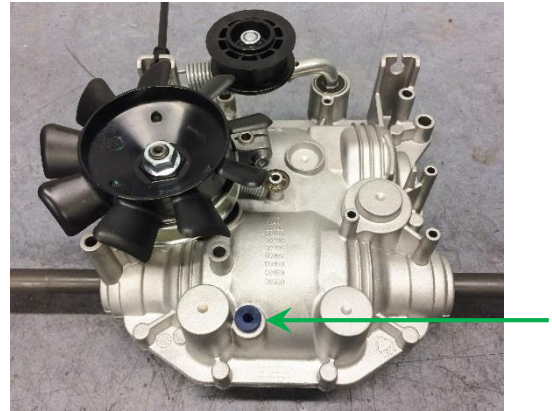
- Unscrew the ¼ nut to remove the Idler pulley axle.
- Bearings and spring are included in the kit.



## Transmission MV 702 - Troubleshooting

### § 3- Oil level

- This product is lubricated for life and does not require any oil service, moreover the transmission is not sensitive to the oil level and can work even with seepage.
- However, a drain plug allows the replacement of the oil if desired.
- The drain plug is located on the bottom side of the transmission and can be removed with a 5mm Hex wrench
- The filler plug is located on the top of the transmission and can be gently removed using a pair of pliers.



- Measuring with a caliper, the oil level should be between 1,25" and 1,7"

- Use a 5/32" pin punch to push the plug.



- General Transmissions recommend to use the Omala S2 220 oil to lubricate the MV702 transmission.
- A complete emptying requires 17 fl.oz of oil to fill.



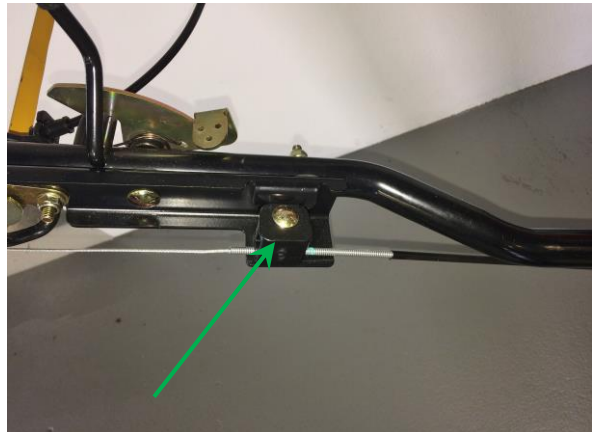
### § 4- Brake setting

- A residual torque on the output shafts may cause a premature wearing of the clutch.
- Residual torque can be due to a worn wheel gear, bushing misalignment or incorrect brake setting.

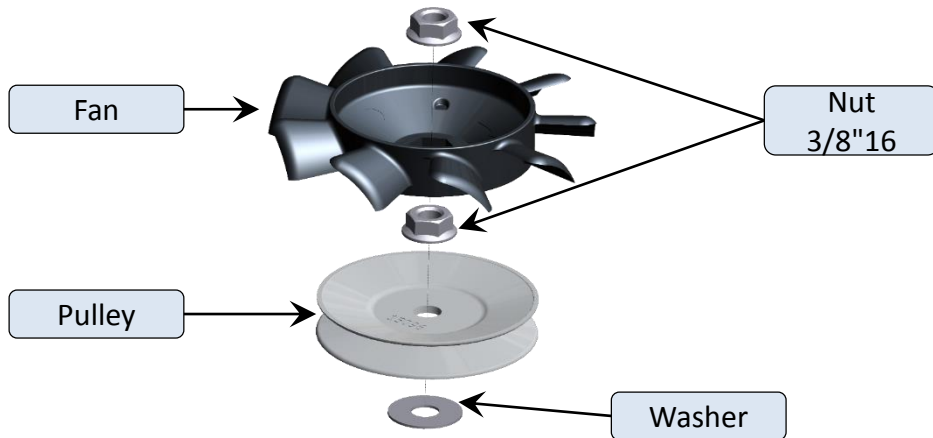
- While lifting the rear of the mower, the wheels should be free in rotation.



- If necessary the brake can be adjust from the handlebar.
- A hard spot when rotating the wheels can also be due to a veiled brake disk.

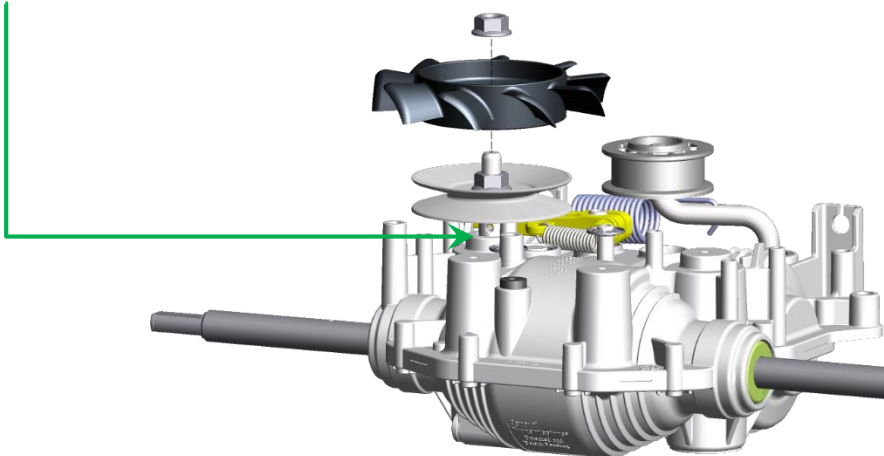


## Pulley kit – GT79475



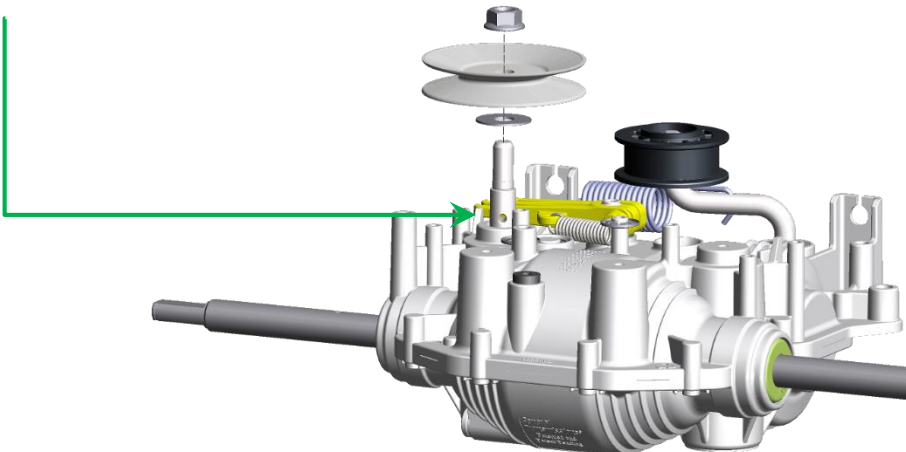
I- Remove nut and fan using a 3/8" wrench

Insert pin-removal punch in the hole of the input shaft to keep it from rotating.



II- Remove nut, pulley and washer using a 3/8" wrench

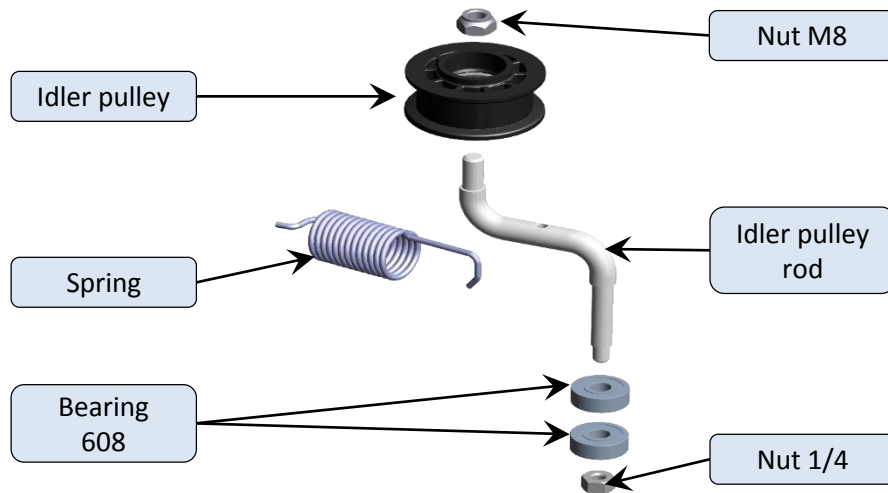
Insert pin-removal punch in the hole of the input shaft to keep it from rotating.



III- When installing the new pulley, **apply 5.9 ft-lbs (8Nm)** to both nuts.

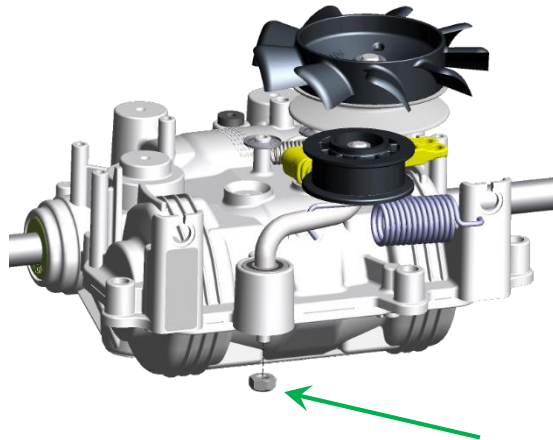


## Idler pulley kit – GT79476

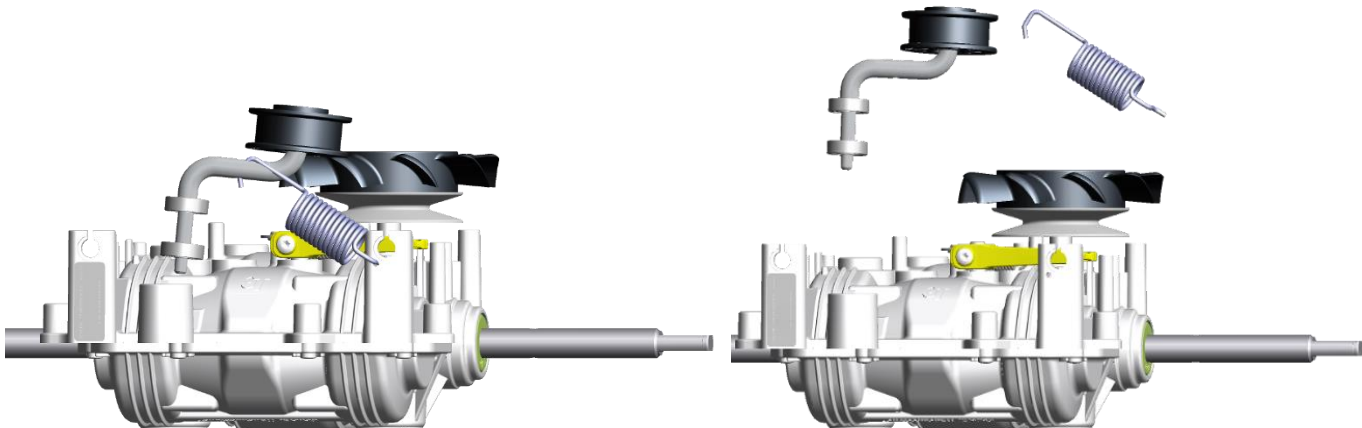


I- Remove nut using a 3/8" wrench

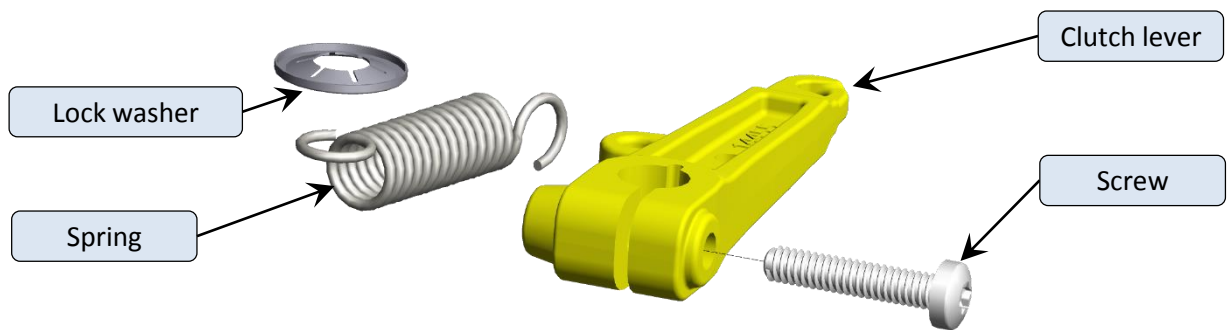
**3.7 ft-lbs (5 Nm)** should be applied to the nut when installing the rod.



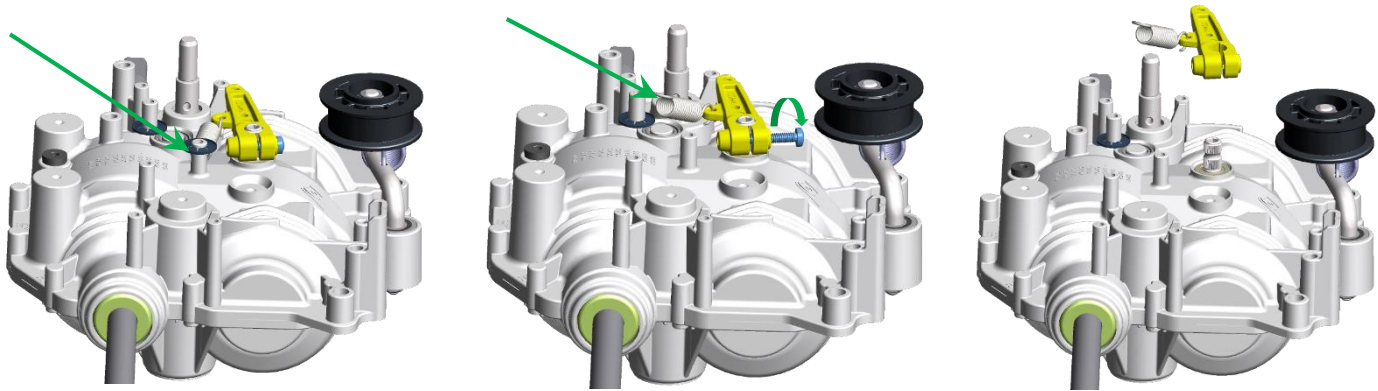
II- Remove the rod and bearings from the housing, then disconnect the spring.



## Clutch lever – GT79480



- I- Remove the lock washer, then disconnect the spring.  
Remove the screw and lever.



- II- When installing the lever on its axle, make sure the screw is aligned with the groove on the axle as shown below.  
Screwing torque, **5.9 ft-lbs (8Nm)**.

