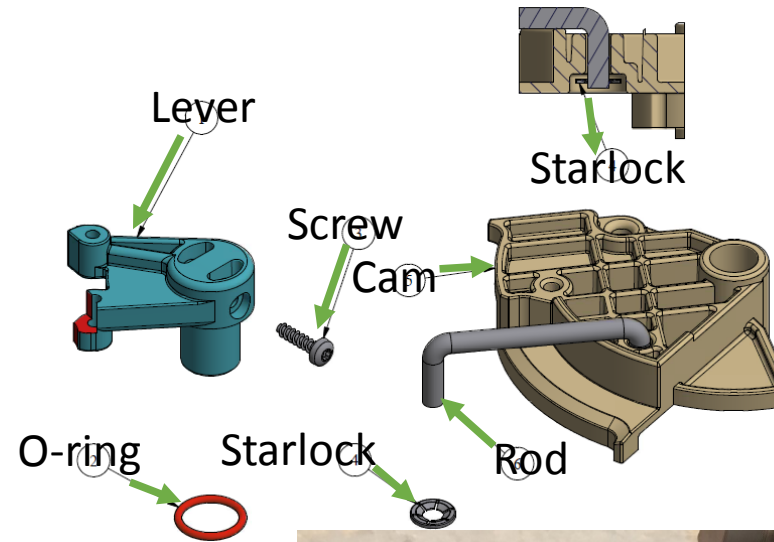


HR 300P Transmission Hard Shift Kit Installation

- I- Shift kit presentation



- II- Remove Engine and Plate



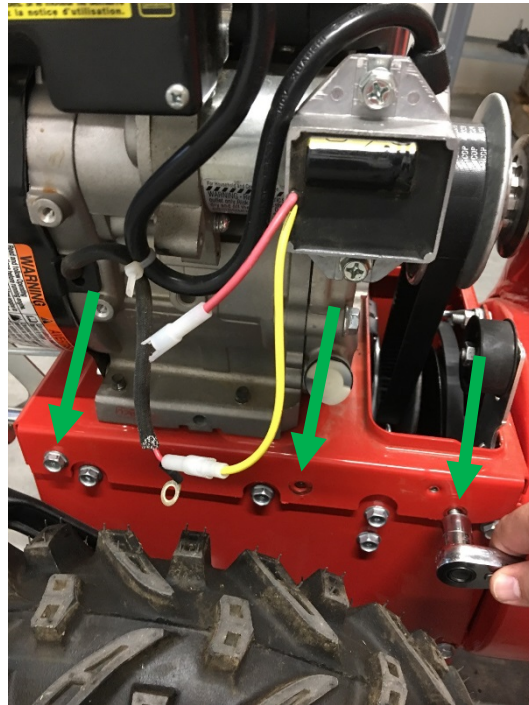
Remove auger drive pulley



Keep bolt and washer

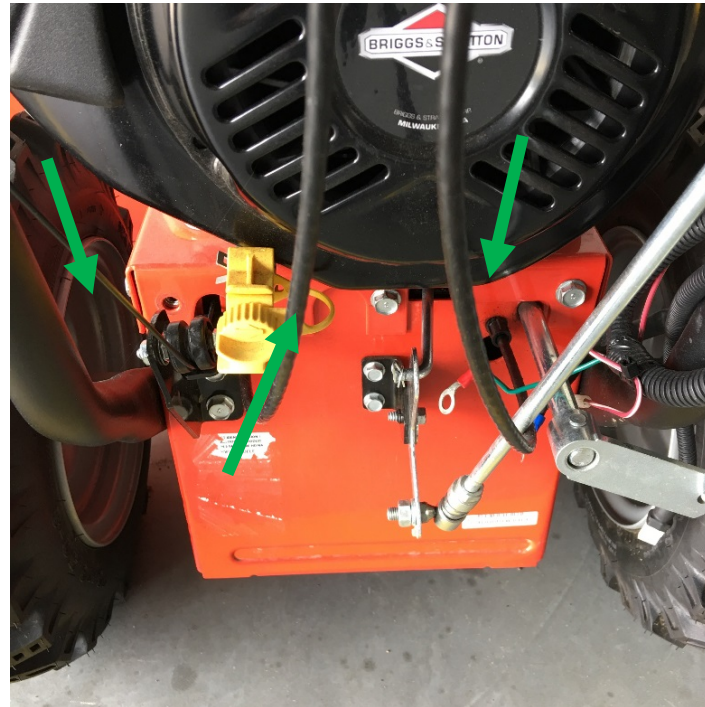


- II- (cont.) Remove Engine and Plate



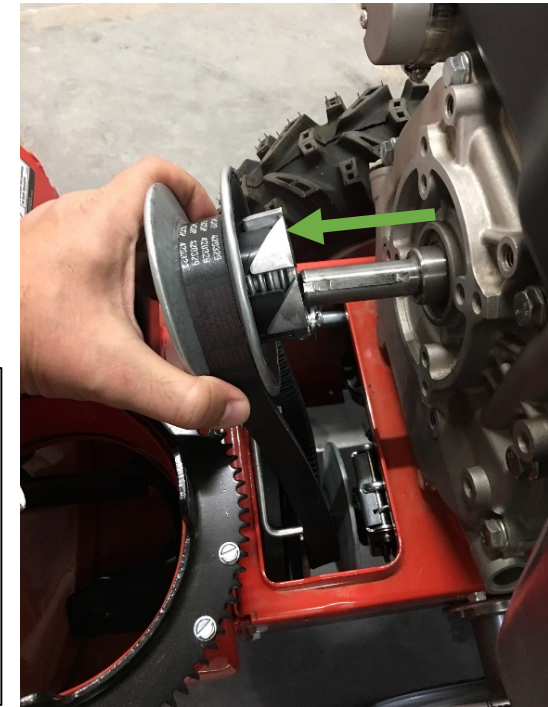
Remove
screws w/
13mm or
1/2in.
wrench

3 screws
per side
and rear



Remove
drive
pulley

*May be
easier to
remove by
tilting
engine
forward
carefully



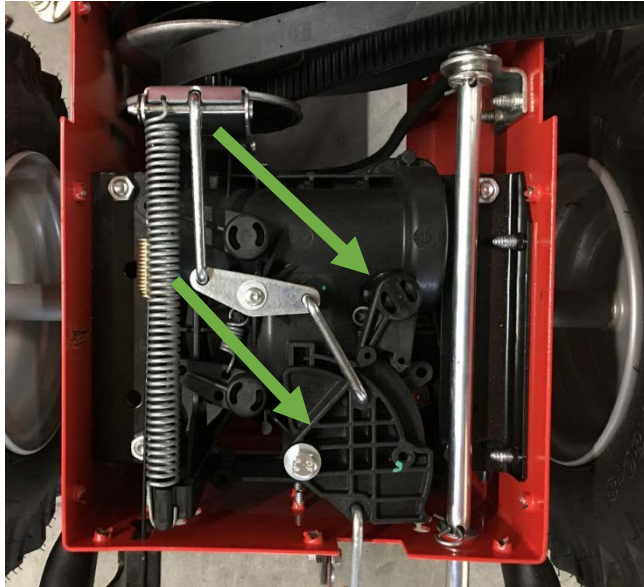
- II- (cont.) Remove Engine and Plate

Be sure key
remains on
shaft or is
returned
when
reinstalling



-Disconnect and remove the engine to access the transmission.

- III- Remove original cam and lever



Remove
lever
screw with
T-20
bit/driver

*view from top of unit



Lift
lever,
may
need
a flat
blade
driver to
free it



- III- Remove original cam and lever

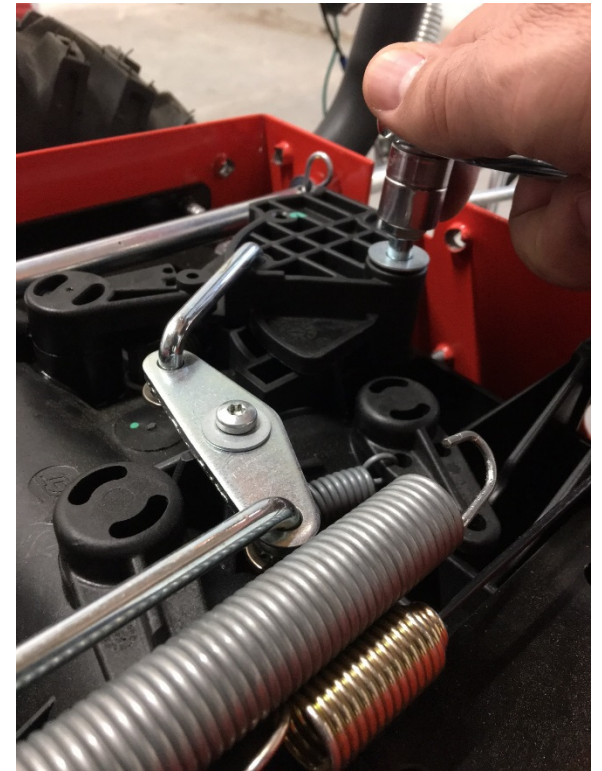
Be sure
O-ring is
removed
with lever



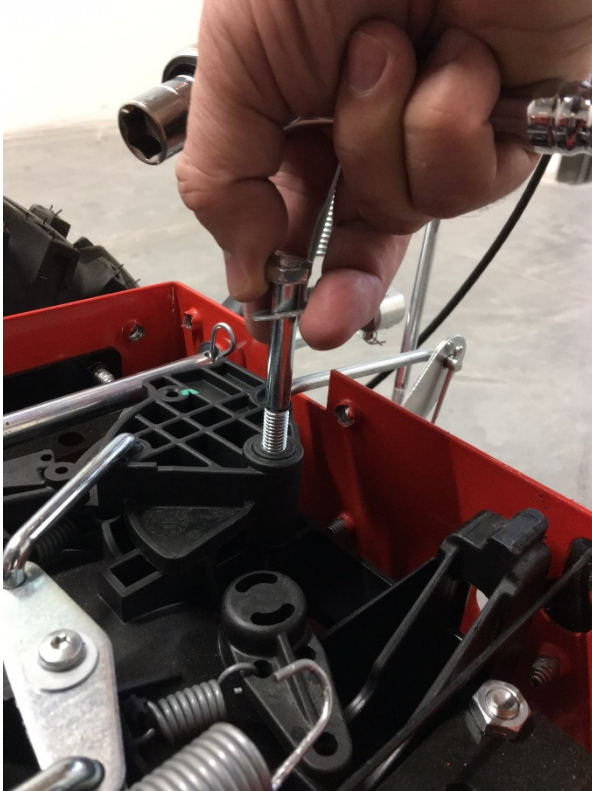
Disconnect
main spring



Remove
cam bolt
w/ 13mm
wrench



- III- Remove original cam and lever

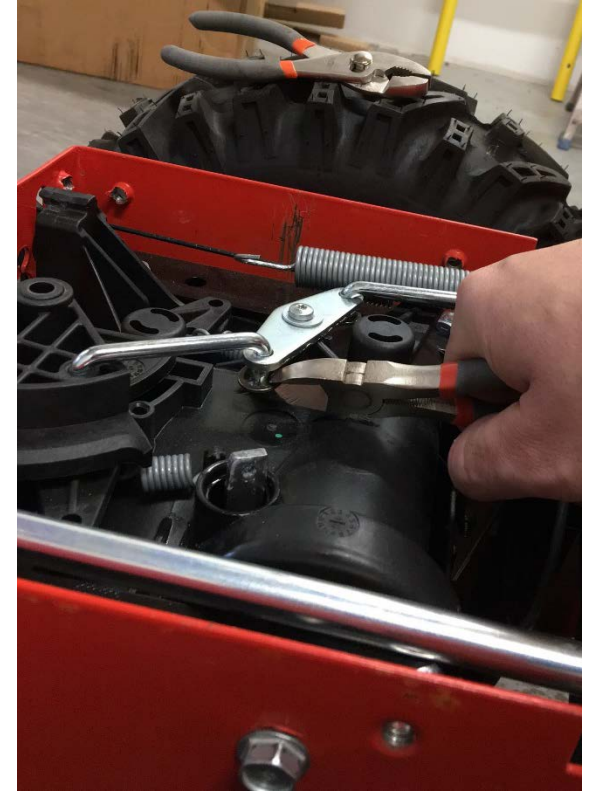


Keep
bolt and
washer

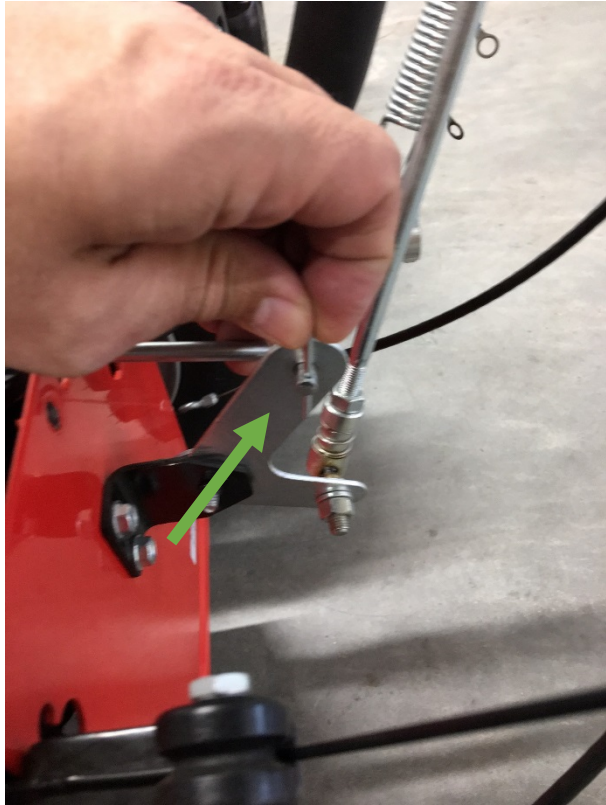
Remove
and
discard
lock
washer



Pliers,
cutter
or other
tool can
be used



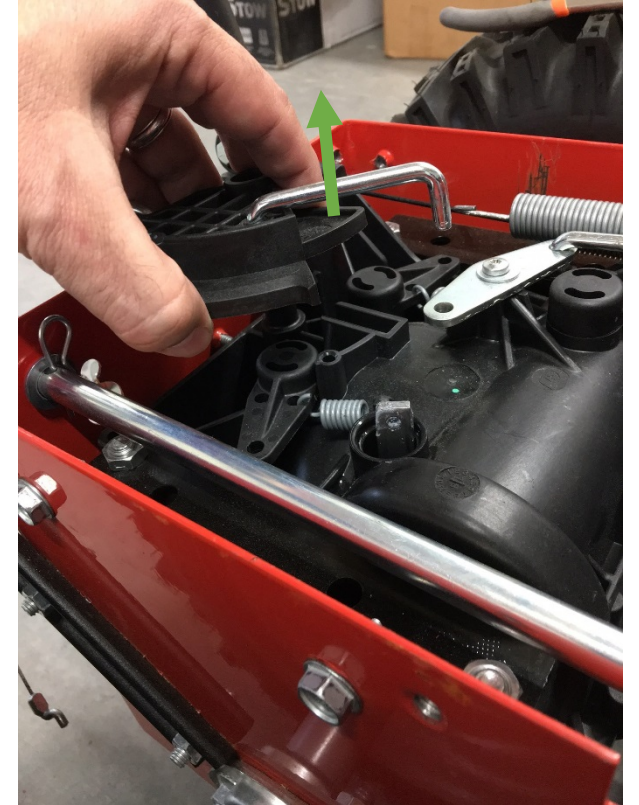
- III- Remove original cam and lever



Remove
cotter
pin to
disconnect
variation
rod



Pull up to
remove
shift cam
and rod



- III- Remove original cam and lever

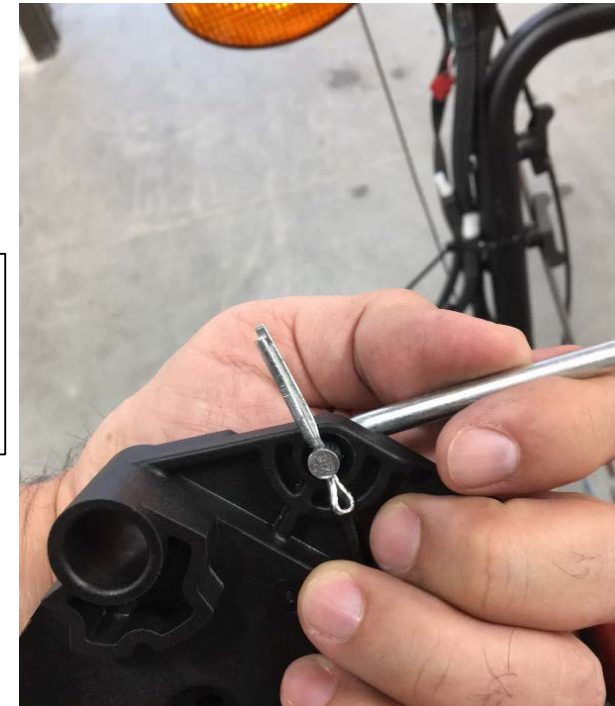
Remove
variation
rod w/
cam



Remove
cotter pin,
keep
variation rod



Attach
variation
rod to new
cam



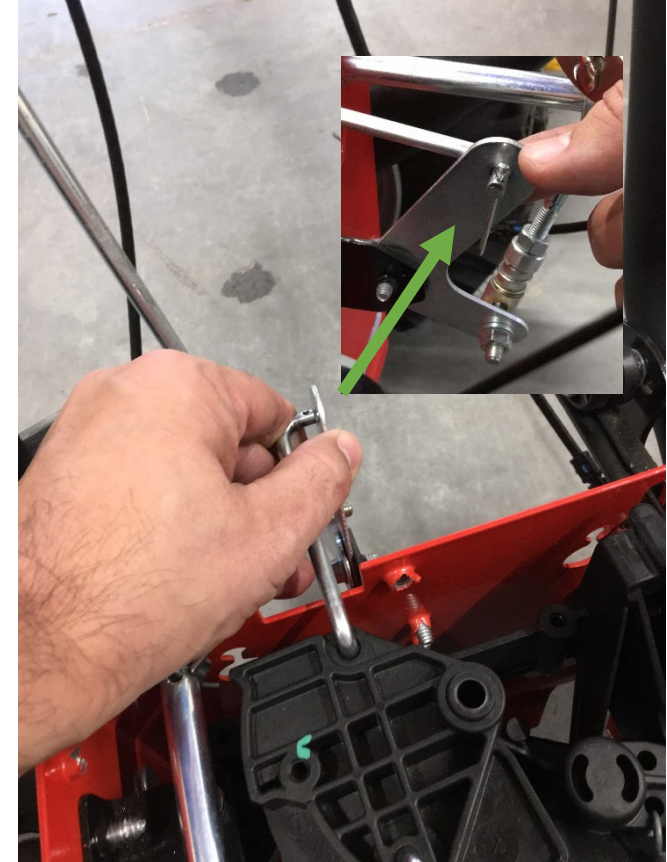
- IV- Attach new cam and lever



Place new
cam on shaft
and rod into
lever



Reattach
variation rod
with cotter
pin



- IV- (cont.) Attach new cam and lever

Attach rod
with washer,
use pliers or
small socket
to push
washer on



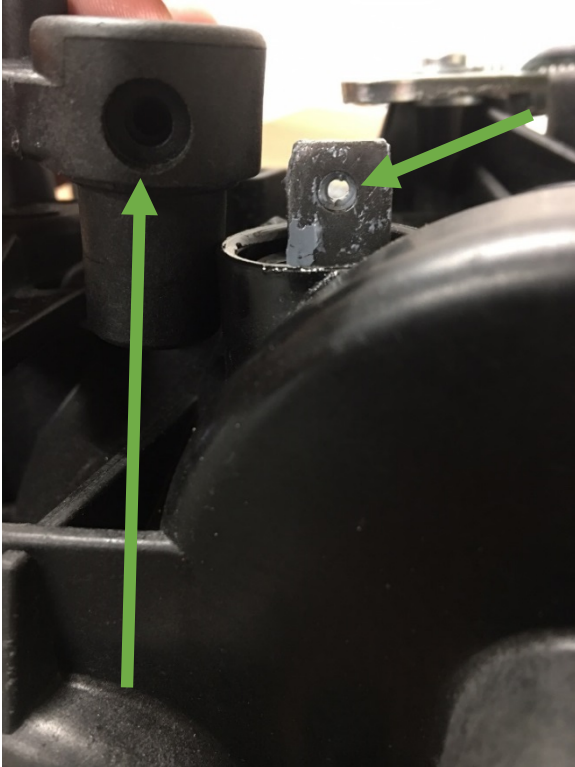
Insert
cam
bolt and
washer
and
tighten



*Tighten bolt to 3.7 ft.·lbf/5.0Nm

- IV- (cont.) Attach new cam and lever

Replace
new
lever
and O-
ring



Make sure
lever is on
completely,
screw goes
through
lever and
hole in fork

Attach new
lever with
screw



Reattach
spring



*Apply silicone sealant to the
inside of lever to prevent leakage.
Dow Corning 732 or equivalent
may be used.

- V- Replace Engine and Plate



Place engine on unit, install belt on drive pulley



Ensure key is on shaft and aligned with pulley



Put pulley back on driveshaft

- V- (cont.) Replace Engine and Plate

Install
auger
pulley



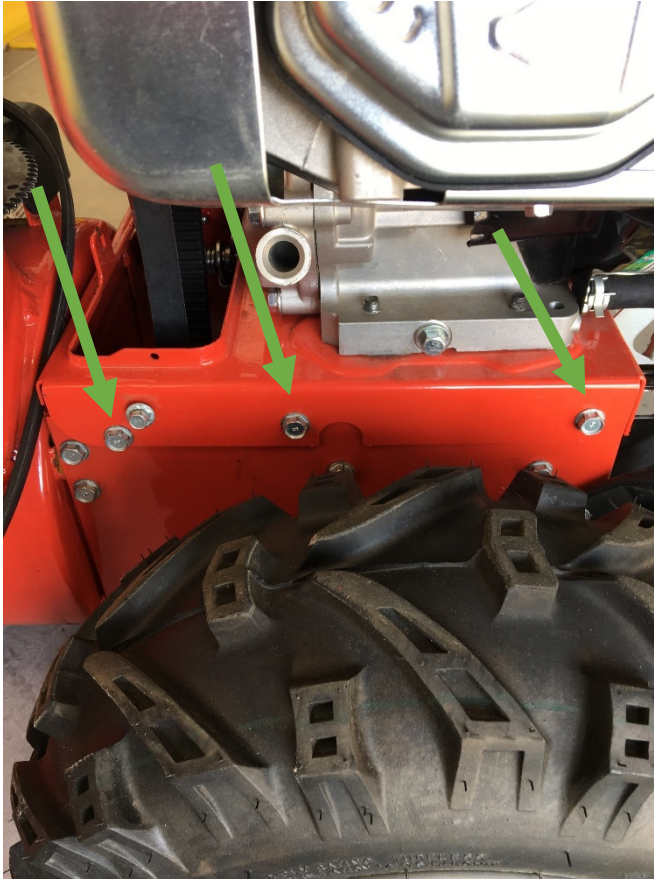
Be sure to
match notch
on pulley
to notch in
driveshaft



*Torque engine pulley bolt to 23-29 ft-lbs/31-39Nm

- V- (cont.) Replace Engine and Plate

Tighten all
screws on
engine
plate



*Tighten engine plate screws to
11 ft.·lbs/14.9 Nm

Install
belt cover and
tighten screws

