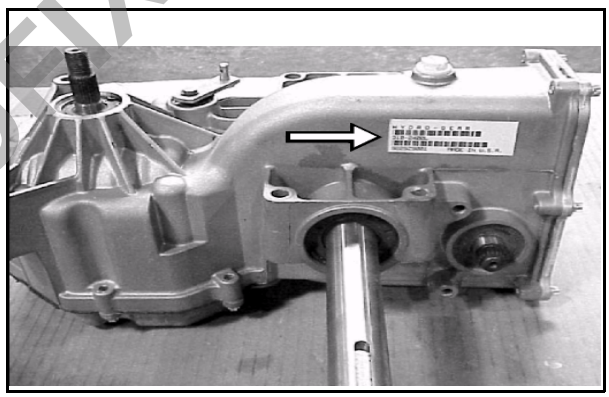
MODEL/SERIAL NUMBER LOCATION

The unit model and serial number plates is on the frame under the seat as shown in the illustration.



The engine has its own model and serial number identification. Consult the appropriate engine manufacture's service literature for the location and translation of the engine model and serial number information.

Transaxles also have their own model/serial number.

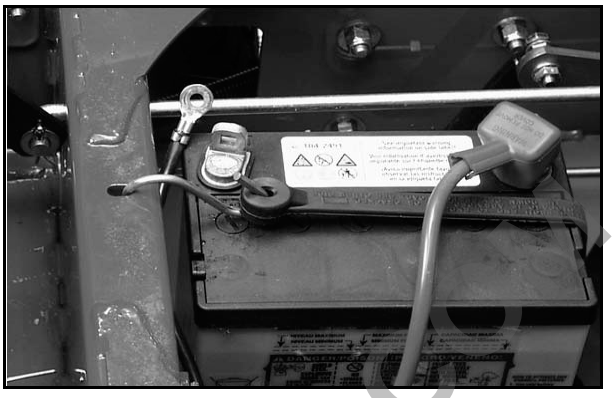


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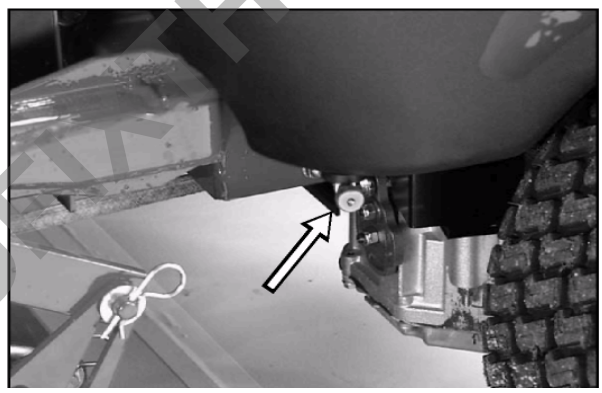
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ENGINE REMOVE AND REPLACE

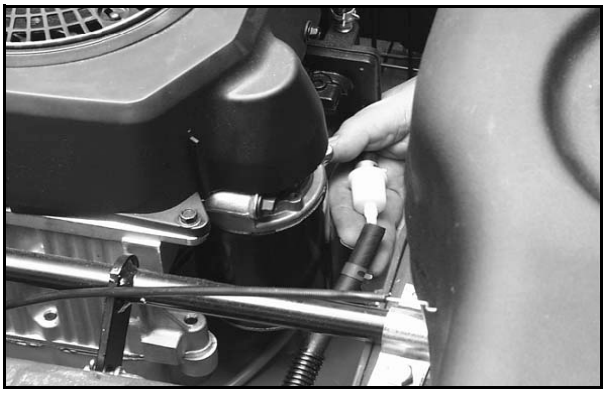
Disconnect the negative battery cable.



Close the fuel shut-off.

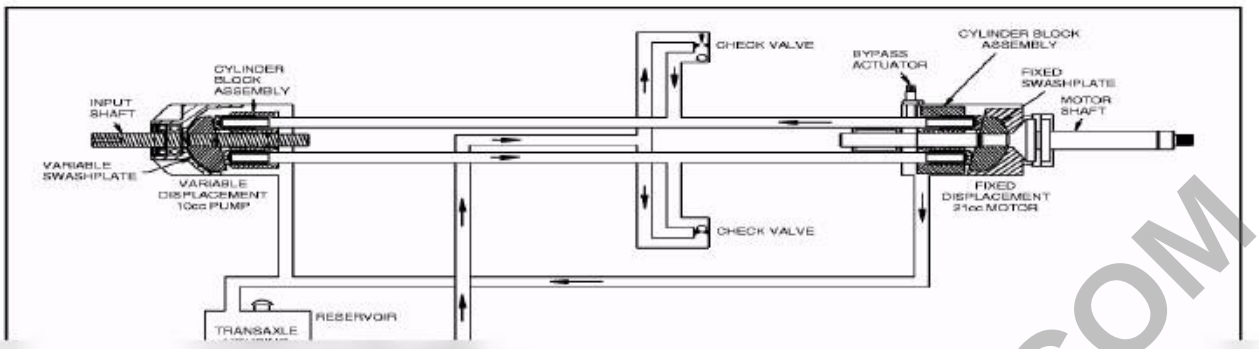


Remove the fuel line from the fuel filter.



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This symbol means WARNING or PERSONAL SAFETY INSTRUCTION - read the instruction because it has to do with your safety. Failure to comply with the instruction may result in personal injury or even death.

This manual is intended as a service and repair manual only. The safety instructions provided herein are for troubleshooting, service, and repair of the MZ19H zero radius tractor. The MZ19H zero radius tractor and attachment operator's manuals contain safety information and operating tips for safe operating practices. Operator's manuals are available through your New Holland dealer.

THINK SAFETY FIRST

AVOID UNEXPECTED STARTING OF ENGINE...

Always turn off the engine and disconnect the spark plug wire(s) before cleaning, adjusting, or repair.

AVOID LACERATIONS AND AMPUTATIONS...

Stay clear of all moving parts whenever the engine is running. Treat all normally moving parts as if they were moving whenever the engine is running or has the potential to start.

AVOID BURNS...

Do not touch the engine, muffler, or other components which may increase in temperature during operation, while the unit is running or shortly after it has been running.

AVOID FIRES AND EXPLOSIONS...

Avoid spilling fuel and never smoke while working with any type of fuel or lubricant. Wipe up any spilled fuel or oil immediately. Never remove the fuel cap or add fuel when the engine is running. Always use approved, labeled containers for storing or transporting fuel and lubricants.

AVOID ASPHYXIATION...

Never operate an engine in a confined area without proper ventilation.

AVOID INJURY FROM BATTERIES...

Battery acid is poisonous and can cause burns. Avoid contact with skin, eyes, and clothing. Battery gases can explode. Keep cigarettes, sparks, and flames away from the battery.

AVOID INJURY DUE TO INFERIOR PARTS...

Use only original equipment parts to ensure that important safety criteria are met.

AVOID INJURY TO BYSTANDERS...

Always clear the area of bystanders before starting or testing powered equipment.

AVOID INJURY DUE TO PROJECTILES...

Always clear the area of sticks, rocks, or any other debris that could be picked up and thrown by the powered equipment.

AVOID MODIFICATIONS...

Never alter or modify any part unless it is a factory approved procedure.

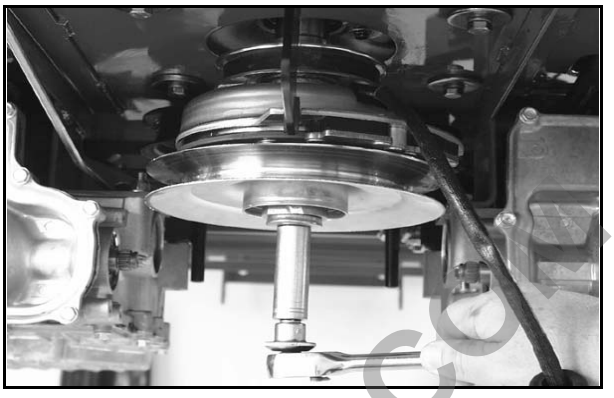
AVOID UNSAFE OPERATION...

Always test the safety interlock system after making adjustments or repairs on the machine. Refer to the Electrical section in this manual for more information.

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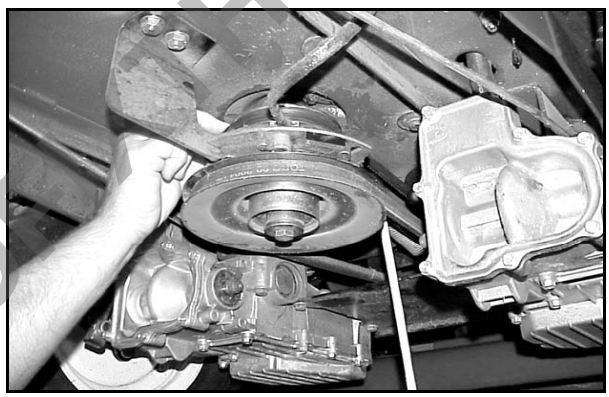
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Remove the clutch bolt and lower the clutch assembly.

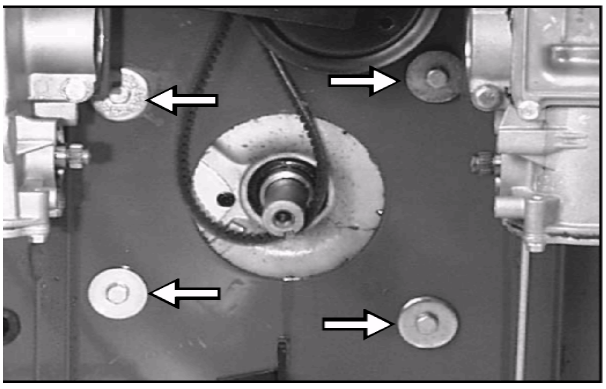


Remove traction drive belt.

Move the idler pulley to lessen the tension on the traction drive belt and slip the belt up off the engine drive pulley. Then remove the clutch and drive pulley from the crankshaft.



Remove the 4 engine mounting bolts.

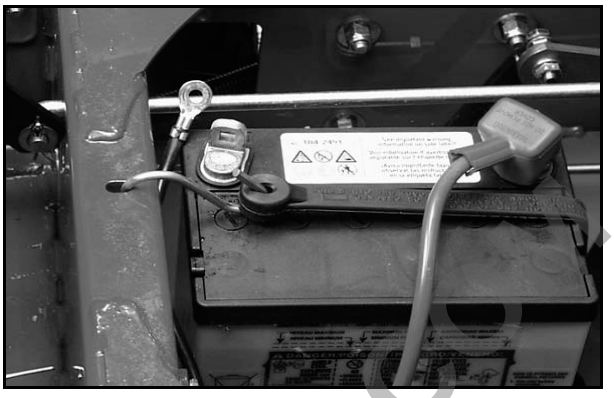


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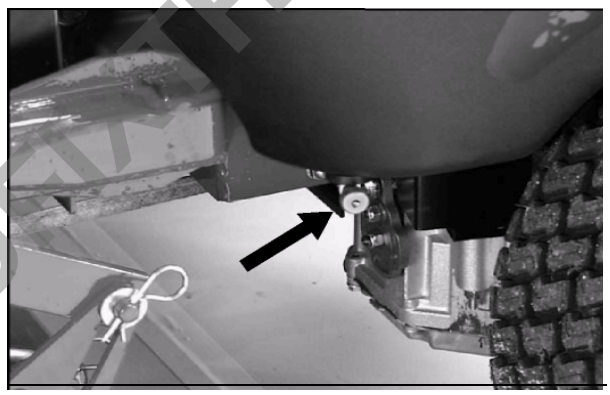
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REMOVE AND REPLACE TRANSAXLE

Disconnect the battery.



Close the fuel shut-off.



Raise the rear of the unit and support it with jack stands.



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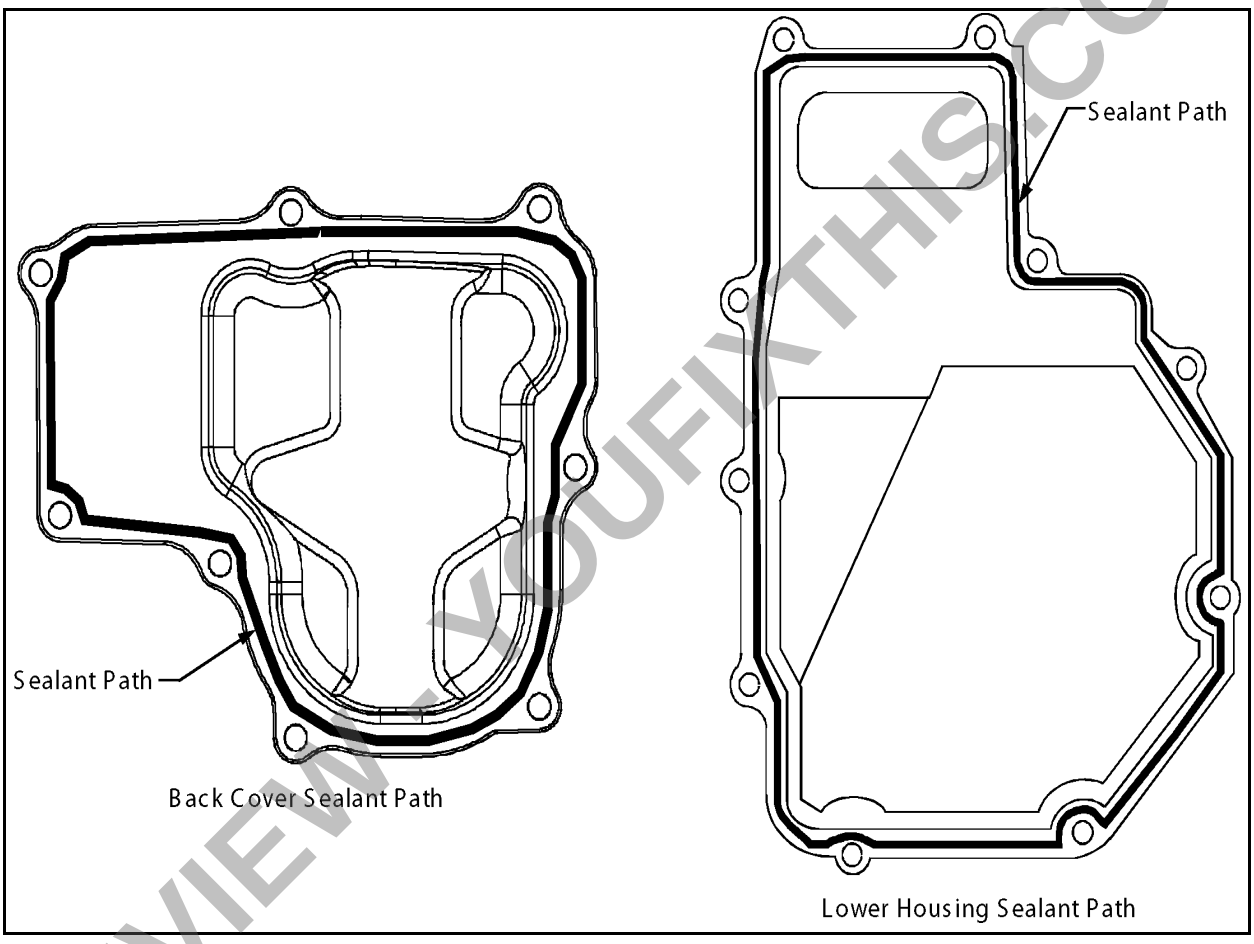
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SEALANT APPLICATION

NOTE: *Prior to applying the new sealant, the old sealant must be removed from all surfaces.*

A small bead of the sealant around the outer part of the housing face will be sufficient. Use sparingly.

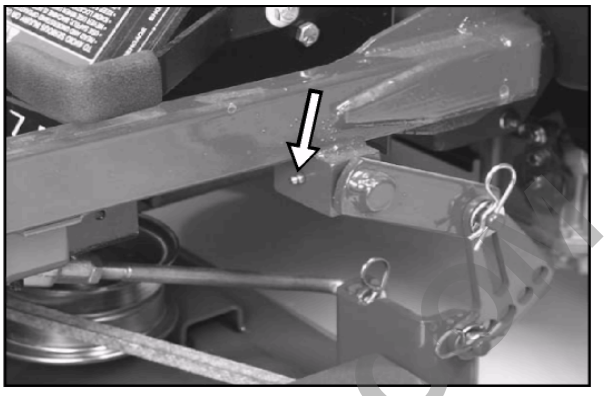
The illustrations below indicate the correct areas.



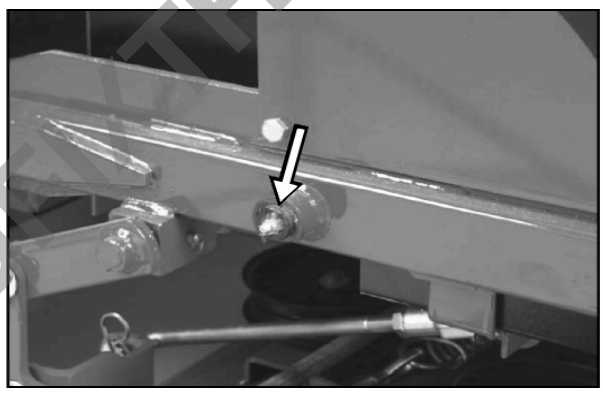
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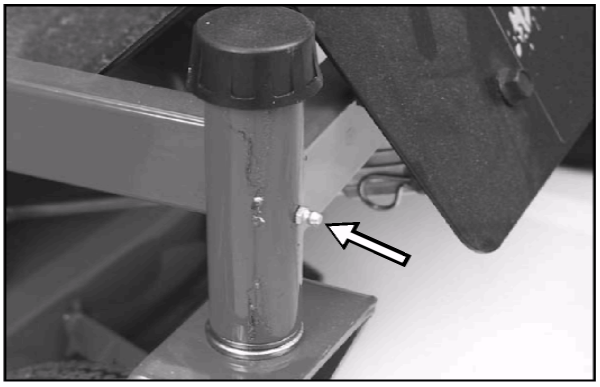
There are two grease fittings for the deck raising pivot bushings - one on each side of the unit.



The grease zerk for the deck height adjustment lever is on the right side of the machine.



There are grease fittings for each front castor bushing,



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NEUTRAL ADJUSTMENT

1. If the unit creeps in neutral, it will be necessary to make an adjustment to the transaxle.

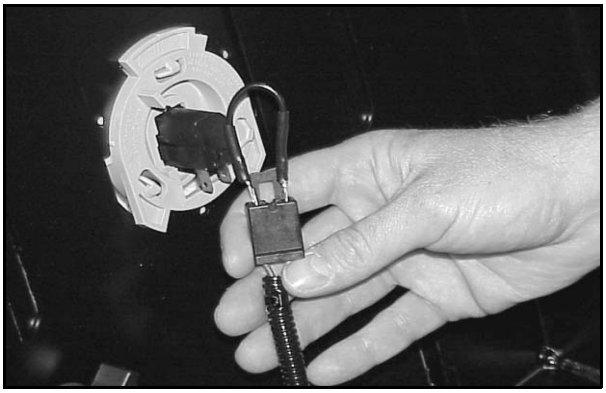
2. Operate the unit to determine which transaxle needs adjustment.

3. Raise the unit and place it on jack stands.



4. Warm the transaxle fluid by running for at least 10 minutes.

5. Unplug the seat switch and temporarily connect a jumper wire across the plug connector.



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MOTOR SHAFT & BEVEL GEAR

DISASSEMBLY

1. Remove the back cover. See Back Cover.
2. Remove the brake. See Brakes.
3. Remove the brake shaft and bevel gear. See Brake Shaft & Bevel Gear.
4. Remove the axle shaft and spur gear. See Axle Shaft & Spur Gear.
5. Remove the 14 tooth bevel gear, 51, from the motor shaft, 54.
6. Remove the motor shaft, 54, wire retaining ring, 27, and bearing assembly, 26, from the main housing, 1.

   NOTE: *The bearing, 26, does not fit flush with the housing. This is important for reassembly.*

INSPECTION

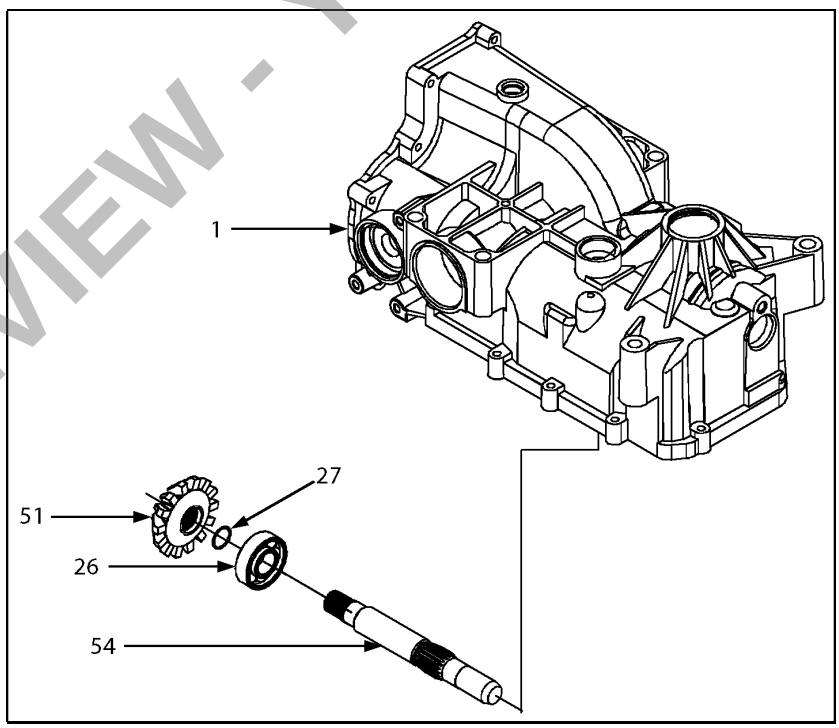
1. Inspect the gear, 51, shaft, 54, and bearing, 26, for wear or damage.

ASSEMBLY

1. Install the motor shaft, 54, bearing assembly, 26, and wire retaining ring, 27.

   NOTE: *The splines must be aligned when inserting the motor shaft, 54.*

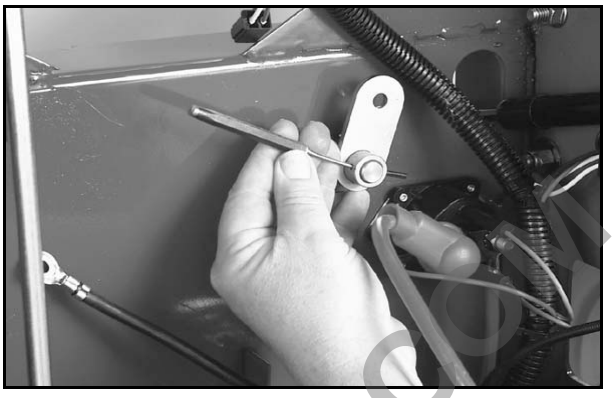
2. Install the 14 tooth bevel gear, 51, on the end of the motor shaft, 54.
3. Install the axle shaft and spur gear. See Axle Shaft & Spur Gear.
4. Install the brake shaft and bevel gear. See Brake Shaft & Bevel Gear.
5. Install the brake. See Brakes.
6. Install the back cover. See Back Cover.



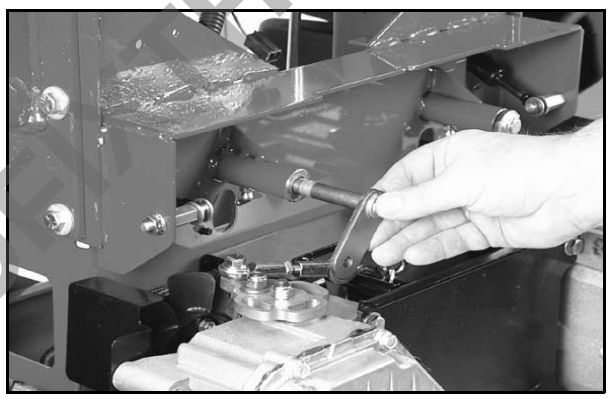
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Use a small punch to drive the roll pin out of the upper bellcrank lever, then remove the lever and thrust washer.



Pull the lower lever and shaft from the bushing.

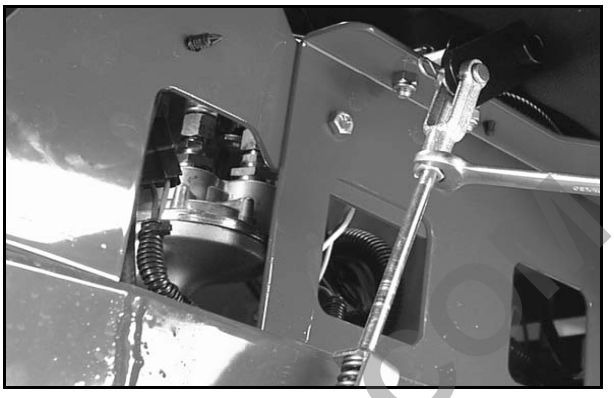


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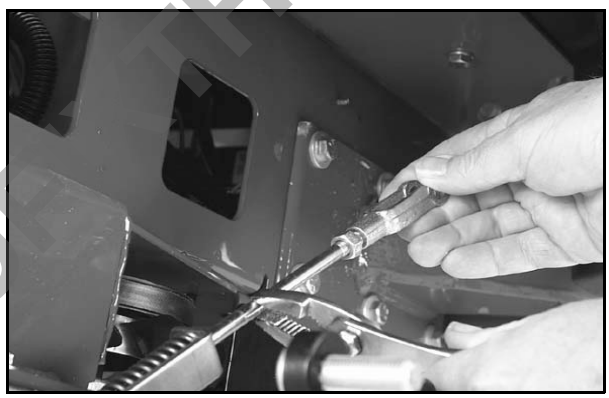
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To adjust the parking brake:

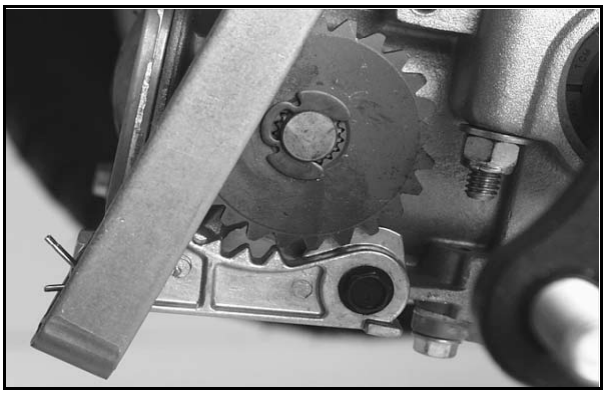
1. Loosen the jam nut at the clevis yoke.



2. Remove the clevis pin and turn the yoke to adjust length of the rod until the brake arm engages and disengages the cog completely.



3. Reconnect the brake rod clevis and tighten the jam nut. Recheck to make sure the brake arm clears the teeth of the brake cog when the parking brake is disengaged.



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