



IMPORTANT SAFETY INSTRUCTIONS



WARNING: This powerful cutting machine is capable of amputating hands and feet and can throw objects that can cause injury and damage! Failure to comply with the following SAFETY instructions could result in serious injury or death to the operator or other persons. The owner of the machine must understand these instructions and must allow only persons who understand these instructions to operate machine. Each person operating the machine must be of sound mind and body and must not be under the influence of any substance, which might impair vision, dexterity or judgment. If you have any questions pertaining to your machine which your dealer cannot answer to your satisfaction, call or write the Customer Service Department at SNAPPER, McDonough, Georgia 30253. Phone: (1-800-935-2967).

PROTECTION FOR CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.

1. KEEP children out of the mowing area and under the watchful care of a responsible adult.
2. DO NOT allow children in yard when machine is operated (even with the blades OFF).
3. DO NOT allow children or others to ride on machine, attachments or towed equipment (even with the blades OFF). They may fall and be seriously injured.
4. DO NOT allow pre-teenage children to operate machine. Local regulations may restrict the age of the operator.
5. ALLOW only adults or responsible teenagers with mature judgment under close adult supervision to operate machine.
6. DO NOT operate blades in reverse. STOP BLADES. LOOK and SEE behind and down for children, pets and hazards before and while backing.
7. USE EXTRA CARE when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

PROTECTION AGAINST TIPOVERS

This machine is equipped with a roll bar protective structure, which, when used properly, can offer additional security to the operator in the event of a tip-over accident. For proper protection, the roll bar must be raised and locked and the lap-style seat belt must be worn at all times.

Slopes are a major factor related to loss-of-control and tip-over accidents, which can result in severe injury or death. All slopes require extra CAUTION. If you cannot back up the slope or if you feel uneasy on the slope, DO NOT mow it. Use extra care with grass catchers or other attachments; these and turf conditions affect the handling and the stability of the machine.

1. DO NOT operate machine on slopes exceeding 15 degrees (27% grade).
2. Exercise EXTREME CAUTION on slopes above 10 degrees (18% grade). Turn blades OFF when traveling uphill. Use a slow speed and avoid sudden or sharp turns.

PROTECTION AGAINST TIPOVERS

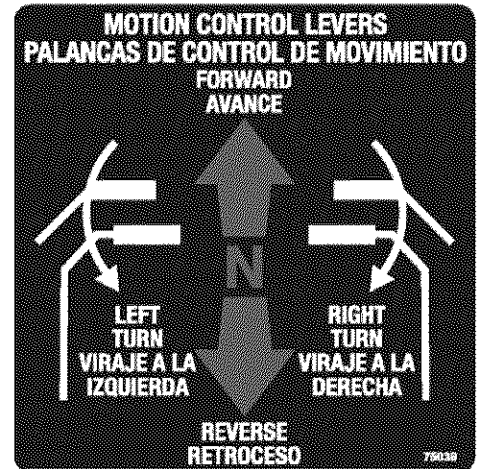
(Continued From Previous Column)

3. DO NOT operate machine back and forth across face of slopes. Operate up and down. Practice on slopes with blades off.
4. AVOID starting, stopping or turning on slopes. If machine stops going uphill or tires lose traction, turn blades OFF and back slowly straight down the slope.
5. STAY ALERT for holes and other hidden hazards. Tall grass can hide obstacles. Keep away from ditches, washouts, culverts, fences and protruding objects.
6. DO NOT operate machine near drop offs, ditches, embankments, washouts, culverts, fences and protruding objects. KEEP A SAFE DISTANCE (at least 3 feet) away from edge of ditches and other drop offs. The machine could turn over if an edge caves in.
7. Always begin forward motion slowly and with caution.
8. Use weights or a weighted load carrier in accordance with instructions supplied with a grass catcher. DO NOT operate machine on slopes exceeding 10 degrees (18% grade) when equipped with grass catcher.
9. DO NOT put your foot on the ground to try to stabilize the machine.
10. DO NOT operate machine on wet grass. Reduced traction could cause sliding.
11. Choose a low enough ground speed setting so that you will not have to stop or shift on a slope. Tires may lose traction on slopes even though the brakes are functioning properly.
12. DO NOT operate machine under any condition where traction, steering or stability is doubtful.
13. Always keep machine in gear when going down slopes. DO NOT shift to neutral (or actuate hydro roll release) and coast downhill.
14. DO NOT remove or modify any part of the roll bar protective structure. Do not fold the roll bar unless absolutely necessary. There is no roll-over protection when the roll bar is folded.
15. Operator must be properly seated at all times, and must wear seat belt, snugly fastened, at all times except when roll bar is folded.
16. DO NOT exceed the machine weight rating specified on the roll bar protective structure's identification plate.

Section 2 - SAFETY MESSAGES AND SYMBOLS



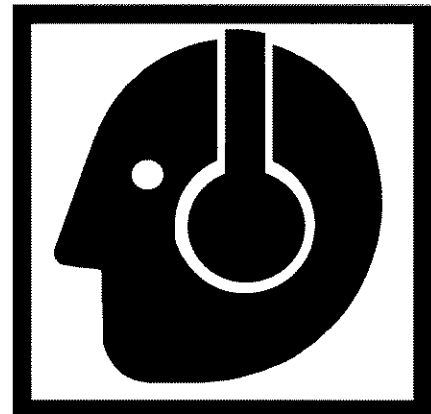
**DANGER ! ROTATING PARTS
KEEP AWAY FROM MOVING PARTS**



MOTION CONTROL LEVER OPERATION



PARKING BRAKE LEVER OPERATION

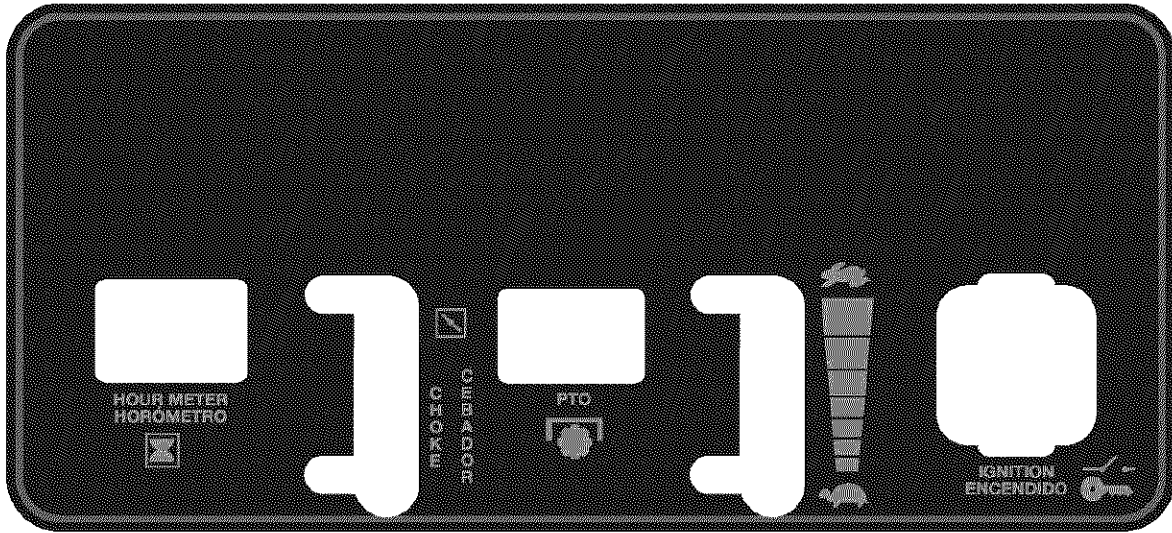


WEAR HEARING PROTECTION

⚠	WARNING ADVERTENCIA
TO AVOID INJURY OR DEATH	PARA EVITAR LESIONES O LA MUERTE
<ul style="list-style-type: none"> - Read Operator's Manual. - Do not operate unless you are fully trained. - Keep all guards, shields and other safety devices in place and working. - Do not operate when children or others are around. - Avoid sudden movement of control levers and sharp turns. - Turn off engine before leaving the seat or servicing. - Mow up and down hills never across or on slopes greater than 15°. - Lea el Manual del Operador - No maneje esta máquina a menos que esté capacitado para hacerlo. - Mantenga todos los protectores, escudos y otros dispositivos de seguridad instalados y funcionando. - No maneje la máquina mientras hayan niños u otras personas en la zona de trabajo. - Evite mover bruscamente las palancas de control y hacer virajes muy cerrados. - Apague el motor antes de levantarse del asiento o realizar trabajos de mantenimiento. - En colinas, corte la hierba en sentido ascendente y descendente nunca en sentido transversal ni en pendientes superiores a 15°. Si no puede retroceder en una colina - NO maneje la máquina en ese lugar. 	

**WARNING ! AVOID SERIOUS INJURY OR DEATH
STARTING, OPERATION & STOPPING OF MACHINE**

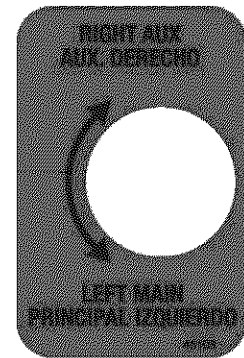
Section 2 - SAFETY MESSAGES AND SYMBOLS



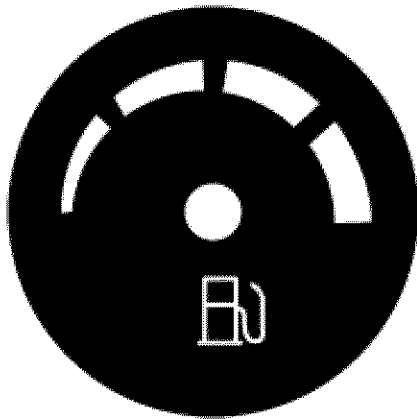
CONTROL PANEL IDENTIFICATION



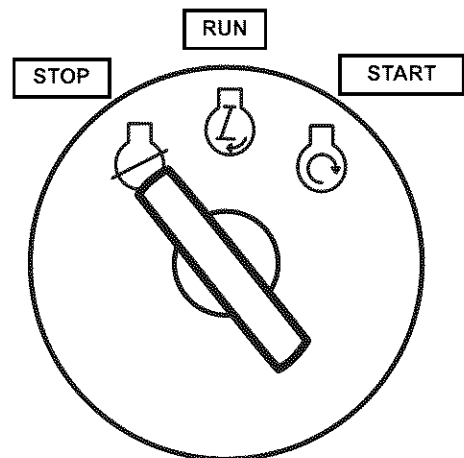
DANGER! ROTATING BLADES
KEEP CHILDREN AND OTHERS OUT OF MOWING AREA



FUEL TANK SELECT



FUEL GAUGE (2)



IGNITION SWITCH

Section 2 - SAFETY MESSAGES AND SYMBOLS

⚠ WARNING

LOW OVERHANGING OBSTACLES HAZARD

Check for overhead clearances before driving under any objects. Do NOT allow roll bar to contact low overhanging obstacles, such as tree branches and guide wires.




⚠ ADVERTENCIA

PELIGRO DE OBSTÁCULOS COLGANTES A BAJA ALTURA

Verifique el margen de altura antes de conducir por debajo de cualquier objeto. NO deje que la barra antivuelco choque con obstáculos colgantes a baja altura, como ramas de árboles y alambres de guía.

7100251

⚠ WARNING



AVOID SERIOUS INJURY OR DEATH FROM ROLL OVER:

Keep roll bar in the raised position and use seat belt.

THERE IS NO ROLL OVER PROTECTION WHEN THE ROLL BAR IS DOWN

Lower the roll bar only when necessary and NEVER remove it.

Do NOT use seat belt when the roll bar is down.


Raise the roll bar as soon as clearance permits.

Do NOT jump off if mower tips.

Read and follow all operating instructions and warnings in the operator's manual.

7100173

⚠ ADVERTENCIA



EVITE SUFRIR LESIONES GRAVES LA MUERTE DEBIDO A UN VUELCO:

Mantenga la barra antivuelco levantada y abróchese el cinturón.

NO TENDRA PROTECCION CUANDO LA BARRA ANTIVUELCO ESTA ABAJO.

Baja la barra antivuelco cuando sea necesario y NUNCA la quite de la máquina.

NO use el cinturón de seguridad cuando la barra antivuelco está abajo.

Levante la barra antivuelco tan pronto el espacio libre lo permita.

NO salte del cortacésped si éste se vuelca.

Lea el manual del operador y siga las instrucciones de operación y las advertencias allí incluidas.

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⚠ CAUTION

ROLL OVER PROTECTIVE STRUCTURE

To maintain operator protection and roll bar certification:

Replace a damaged roll bar, do NOT attempt to repair or modify.

Any alteration of the roll bar must be approved by the manufacturer.

DO NOT exceed the machine weight rating of the roll bar.

⚠ PRECAUCIÓN

ESTRUCTURA PROTECTORA DE BARRA ANTIVUELCO

Para mantener protegido al operador y conservar la certificación de la barra antivuelco:

Reemplace una barra antivuelco que esté dañada, NO intente repararla ni modificarla.

Cualquier cambio de la barra antivuelco debe ser aprobado por el fabricante.


NO exceda la capacidad nominal de soportar el peso de la máquina de la barra antivuelco.

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⚠ WARNING

Avoid serious injury or death from rollover.

Do not operate without the rollbar installed and operational.



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⚠ ADVERTENCIA

Evite lesiones graves o la muerte debido a un vuelco.

No maneje la máquina sin tener la barra antivuelco instalada y operacional.



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ROLL BAR PROTECTIVE STRUCTURE DECALS

⚠ CAUTION

SPRING LOADED MECHANISM. SPRING TENSION MUST BE RELIEVED BEFORE WORKING ON DECK LINKAGE OR REMOVING DECK FROM MACHINE. LOOSEN NUT ON EYEBOLT. REFER TO OPERATOR'S MANUAL FOR INSTRUCTIONS.

⚠ PRECAUCIÓN

MECANISMO ACTIVADO POR RESORTE. quite TENSION DEL RESORTE ANTES DE TRABAJAR EN EL VARILLA DE LA PLATAFORMA O DE DESMONTAR LA PLATAFORMA DE LA MÁQUINA. AHLOJE LA TUERCA EN EL PERNO DE ANILLA. CONSULTE EL MANUAL DEL OPERADOR PARA LAS INSTRUCCIONES.

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CAUTION! SPRING LOADED MECHANISM

⚠ WARNING



Cutting Hazard
Fans rotate while engine is running. Keep away while engine is running.

⚠ ATENCIÓN

Peligro de corte
Los ventiladores giran mientras el motor está funcionando. Manténgase lejos mientras el motor está funcionando.

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WARNING! ROTATING FAN BLADES KEEP AWAY

Section 3 - OPERATING INSTRUCTIONS

3.2.1. STARTING ENGINE

NOTE: If after 5 seconds of cranking the engine does not start, release the key. Attempt starting again after waiting for approximately 20 seconds.

7. After engine starts, move the choke control to the "OFF" or no choke position. Allow a brief warm-up until engine runs smooth.

3.2.2. STOPPING ENGINE

1. Stop engine by turning key to "STOP" position. Move engine speed to the Turtle "SLOW" position and turn key to "STOP". See Figure 3.6.

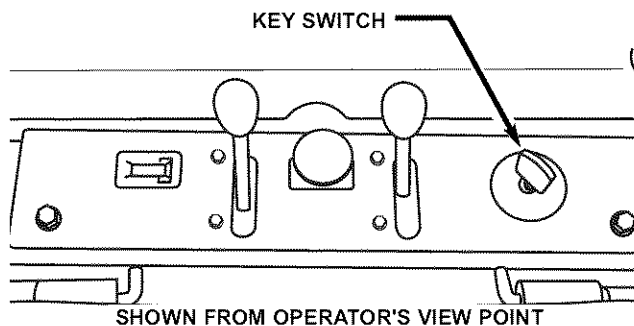


FIGURE 3.6

	WARNING	
<p>DO NOT operate blades in reverse. STOP blades. LOOK and SEE behind and down for children, pets, and hazards before and while backing.</p>		

3.2.3. STARTING MOWER BLADES

1. Start engine and set engine speed control to the Rabbit "FAST" position. See Figure 3.5.

2. Pull the Blade Switch up to the "ON" position to engage or turn "ON" the mower blades. See Figure 3.2.

3.2.4. STOPPING MOWER BLADES

1. Push Blade Switch down to "OFF" position to disengage or turn "OFF" the blades.

2. Move engine speed control to the Turtle "SLOW" position. Turn key to "STOP" position.

	WARNING	
<p>Once blades are disengaged, they should come to a complete stop in 7 seconds. If the blades continue to rotate after 7 seconds, the electric clutch should be checked. Adjustment or replacement of electric clutch may be necessary. Return the machine to an authorized Snapper dealer for replacement. DO NOT CONTINUE to operate mower if blades fail to stop in 7 seconds.</p>		

3.2.5. PARKING BRAKE

1. Engage parking brake by pulling the parking brake lever back to the engaged position. See Figure 3.7.

NOTE: Engaging parking brake prior to placing motion control levers in the neutral lock position will cause engine to die. See Figure 3.7.

2. Release parking brake by pushing parking brake lever forward to the released position. See Figure 3.8.

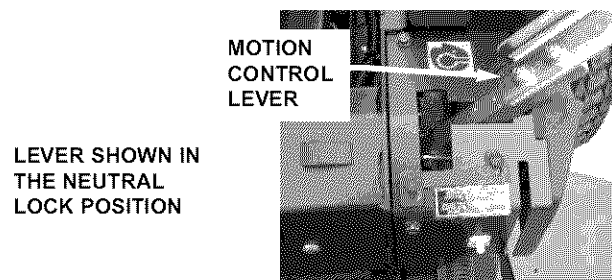
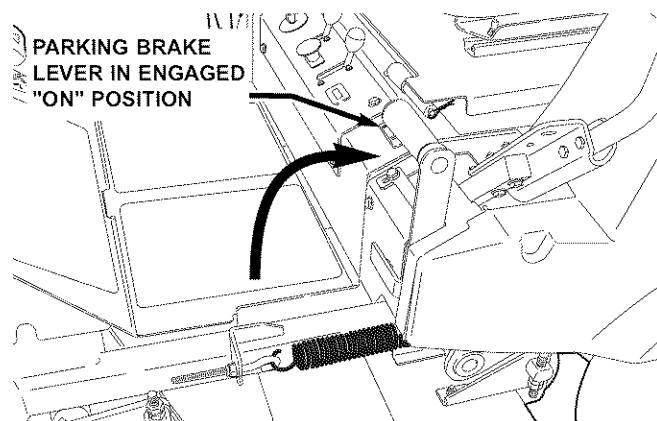


FIGURE 3.7

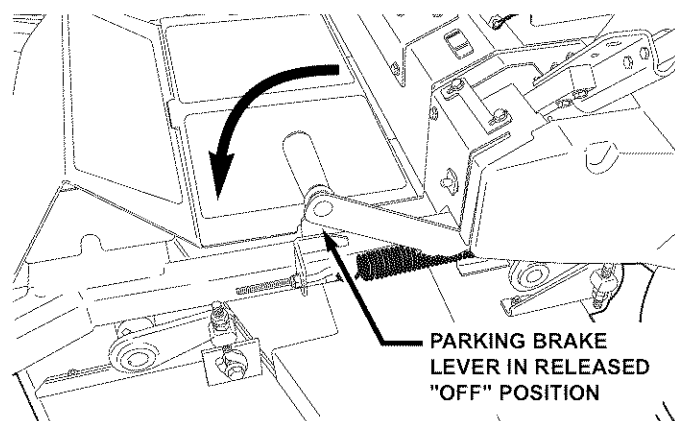


FIGURE 3.8

	WARNING	
<p>DO NOT park the machine on slopes. DO NOT leave machine with engine running. Stop engine. Stop blades. Engage parking brake. Remove key.</p>		

Section 3 - OPERATING INSTRUCTIONS

3.3 CUTTING HEIGHT ADJUSTMENT

1. Depress deck lift pedal fully to lock deck in transport position. See Figure 3.9.
 2. Insert stop pin to desired cutting height. See Figure 3.10.
 3. Depress deck lift pedal while flipping back transport lever, and slowly release pedal to lower deck. See Figure 3.11.
- NOTE:** The engine does not have to be running to adjust cutting height.

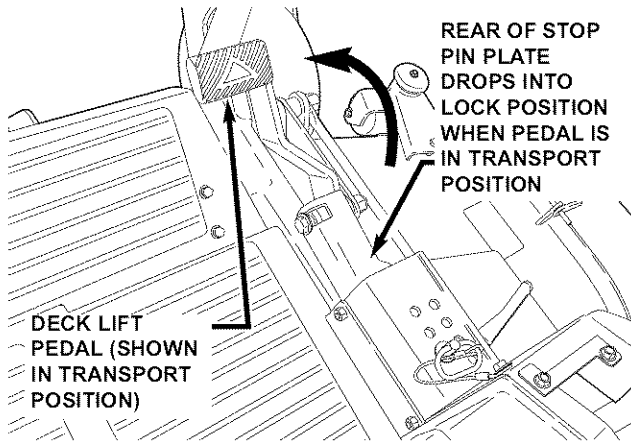


FIGURE 3.9

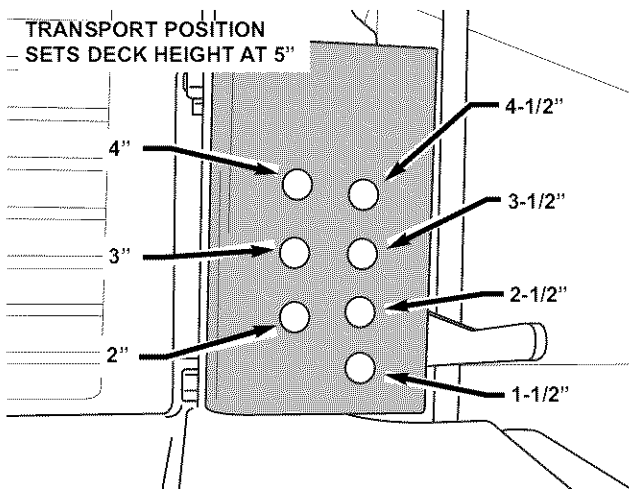


FIGURE 3.10

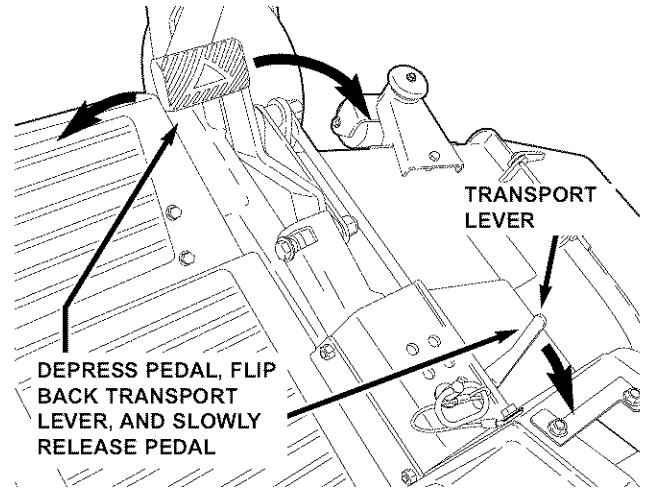


FIGURE 3.11

3.4 OPERATION- MOTION CONTROLS

3.4.1. DRIVING MACHINE

1. Fasten seat belt and adjust to a snug fit.
2. Start engine. Release parking brake.
3. Drop motion control levers down from neutral lock positions. See Figure 3.12.
4. Move motion control levers gently and with caution in desired direction. See Figure 3.12.

FORWARD - Move both control levers forward.

REVERSE - Move both control levers rearward.

LEFT TURN - Move left control rearward or move right control lever forward.

RIGHT TURN - Move left control forward or move right control lever rearward.

ZERO RADIUS TURN - Move one control lever forward and move the other control lever rearward simultaneously.

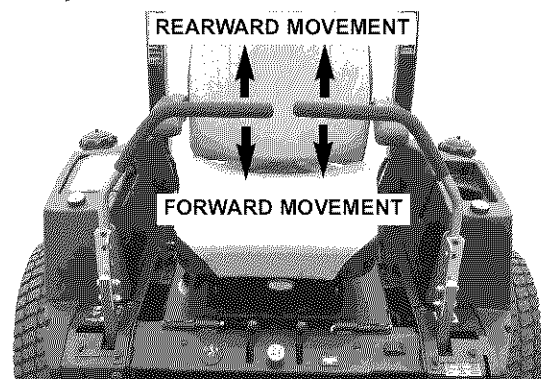


FIGURE 3.12

WARNING

DO NOT make turns at high speed. Slow machine motion. Move motion control lever gently and with caution. DO NOT make sudden changes in speed or direction.

WARNING

Zero-turning the machine at any speed can result in operator disorientation, or in operator being thrown from the machine. Exercise extreme caution when executing a zero-turn.

Section 3 - OPERATING INSTRUCTIONS

3.4.2. STOPPING MACHINE

1. Return motion control levers to the neutral position & the neutral lock position.

IMPORTANT: Operator must use hand assistance to bring both motion control levers to the neutral position & the neutral lock position.

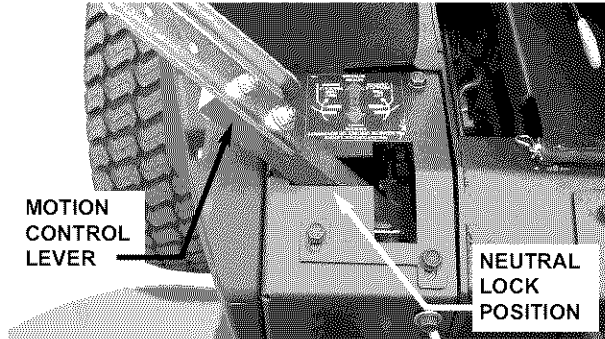


FIGURE 3.13

2. Engage parking brake.
3. Push Blade Switch down to the "OFF" position to disengage or turn "OFF" the blades.
4. Stop engine. Move engine speed control to turtle "SLOW" position. Turn key to stop position.
5. Remove key.

WARNING

DO NOT park the machine on slopes. DO NOT leave machine with engine running. Stop engine. Stop blades. Engage parking brake. Remove key.

3.5 FOLDING THE ROLL BAR PROTECTIVE STRUCTURE

The roll bar protective structure should be folded ONLY when absolutely necessary - i.e. when there is low overhead clearance. NEVER remove any part of the structure. To fold:

1. Shut off engine and remove key.
2. Loosen plastic knobs and remove locking pins. See Figure 3.14.
3. Fold roll bar down against backs of side bars.
4. Tighten knobs and replace pins to prevent loss.

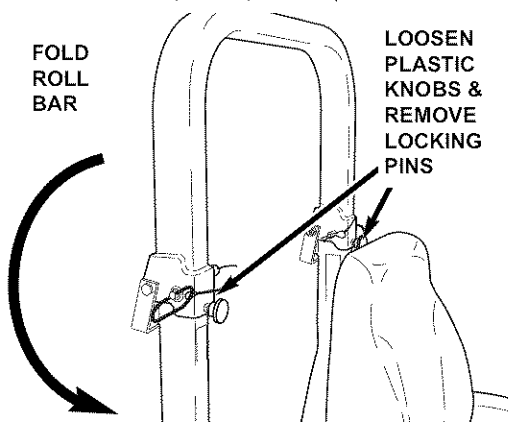


FIGURE 3.14

5. Raise and lock roll bar as soon as clearance permits.

IMPORTANT: DO NOT use seat belt when roll bar is folded.

WARNING

There is no roll-over protection when roll bar is folded.

3.6 SAFETY INTERLOCK SYSTEM CHECKS

This machine is equipped with an electrical safety interlock system that is provided for the safety of the operator and others. All safety devices must be in place and functioning properly before operating the machine. Perform the following interlock system checks during the operating season. Contact your authorized Snapper dealer if you have questions.

WARNING

DO NOT operate machine if any safety interlock or safety device is not in place and functioning properly. DO NOT attempt to defeat, modify or remove any safety device.

ENGINE MUST NOT START IF:

1. Motion Control Lever(s) are not in the neutral lock position OR,
2. Parking Brake disengaged and Operator not seated in Operator's Seat OR,
3. Blade Switch in the "ON" blades engaged position.

ENGINE SHOULD START IF:

1. Blade Switch in the "OFF" blades disengaged position AND,
2. Motion Control Levers are both in the neutral lock position AND,
3. Operator properly seated in the Operator's Seat OR,
4. Parking Brake engaged.

NOTE: The engine can be started with the parking brake disengaged only if conditions in 1, 2 and 3 have been met.

ENGINE MUST BEGIN TO STOP IF:

1. Motion Control Levers are moved from the neutral lock position with Parking Brake engaged OR,
2. Operator rises off of seat with Blade Switch in "ON" blades engaged position OR,
3. Operator rises off of seat with Parking Brake disengaged.

IMPORTANT: Engine and blades will continue to run if Operator becomes reseated prior to engine coming to a complete stop. After coming to a complete stop, the blade switch must be moved to the "OFF" position before engine can be restarted. Engine and blades must come to a complete stop within 7 seconds after the operator rises off the seat or the blade switch is moved to the "OFF" position.

Section 4 - MAINTENANCE

4.3.3. RIDING MOWER - LUBRICATION

1. Front Wheel Bearings

Lubricate with Kendall NLGI No. 2 lithium grease or equivalent, from a grease gun. See Figure 4.5.

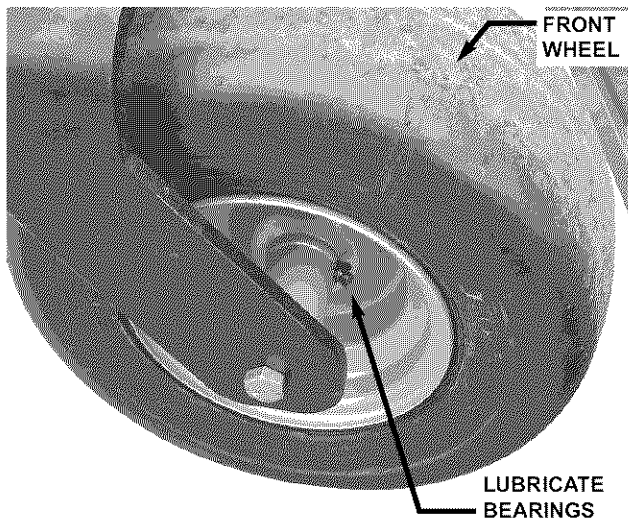


FIGURE 4.5

2. Hydro Pumps

Check the level of the fluid in both of the fluid reservoirs. Wipe away all dirt and debris from around reservoir cap before removing. Oil must remain absolutely clean! Check with machine on a level surface with engine "OFF". Fill reservoir as needed to bring level up. The reservoir is properly filled when the fluid level is 1½" below the top of the filler neck. **DO NOT OVER FILL.** Use clean, fresh premium automotive oil having a viscosity equivalent to SAE 20W50 API SL. The fluid should be chemically stable, incorporating rust and oxidation inhibitors. Make sure funnels, pouring spouts and oil can are completely clean. Reinstall reservoir cap. See Figure 4.6.

NOTE: In order to raise operator seat to access reservoirs, seat must be in rearmost position.

3. Mower Deck Idler Arms

Lubricate mower deck idler arms with Kendall NLGI No. 2 lithium grease or equivalent, from a grease gun. See Figure 4.7.

4.4 BEFORE OPERATING MACHINE

1. Clean all dirt and debris from around the two hydraulic fluid reservoirs, especially around the top and cap area.
2. Clean all dirt and debris from the cooling fins on the engine and from both hydraulic pumps.

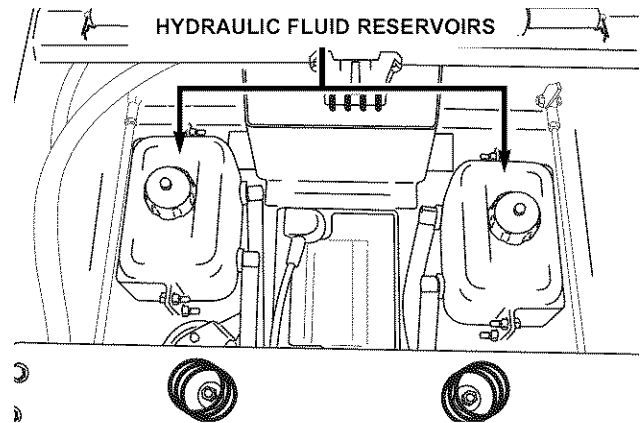


FIGURE 4.6

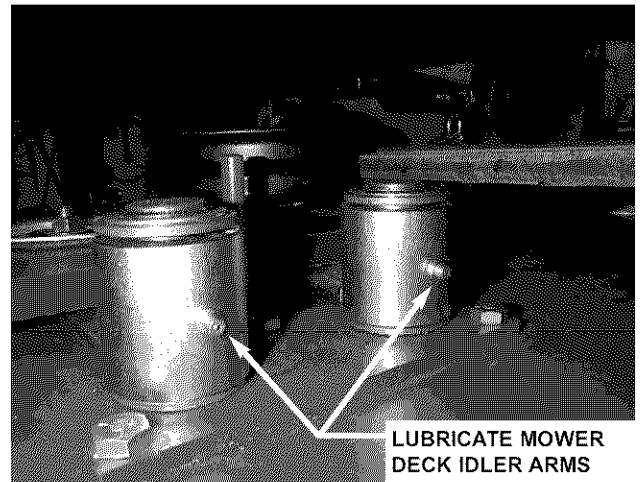


FIGURE 4.7

4.5 ANNUALLY (END OF EACH SEASON)

Perform all maintenance as described in Section "AFTER EVERY 25 OPERATING HOURS". Refer to Section "Service Schedule".

4.5.1. ENGINE

Service engine according to engine owner's manual.

(Continued on next Page)

Section 4 - MAINTENANCE

WARNING

DO NOT attempt any maintenance, adjustments or service with engine running. STOP engine. STOP blades. Set parking brake. Remove key. Remove spark plug wires and secure away from spark plugs. Engine and components are HOT. Avoid serious burns, allow sufficient time for all parts to cool.

4.6 DECK REMOVAL (Continued from previous page)

6. Remove inside nuts that secure fittings to front lift arms. See Figure 4.10.

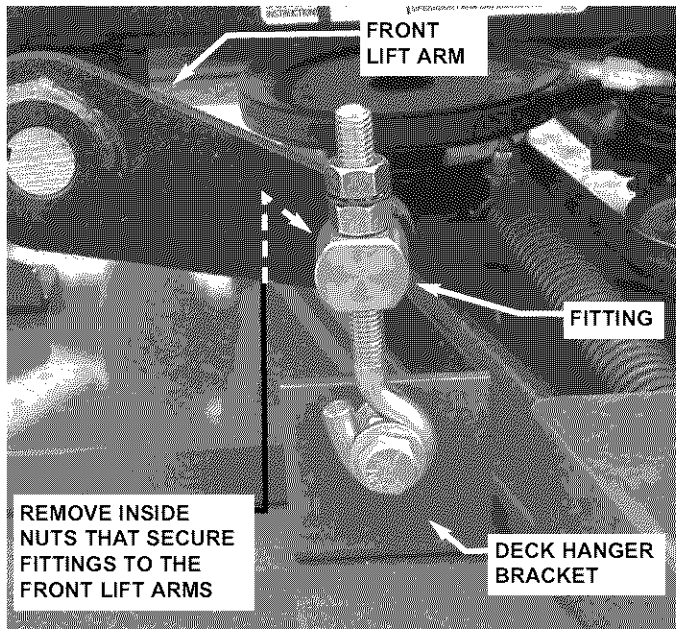


FIGURE 4.10

7. Remove inside nuts that secure eyebolts to rear lift arms. See Figure 4.11.

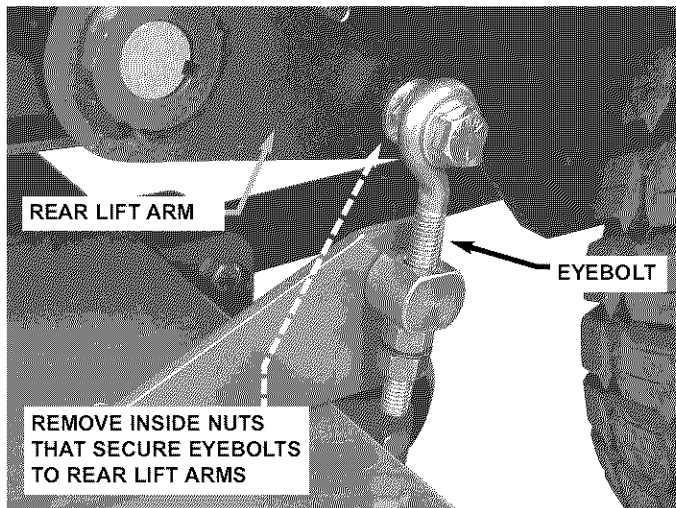


FIGURE 4.11

8. Remove engine to deck belt from around deck pulley. **NOTE:** Disconnecting engine to deck belt idler spring may assist in removing belt. See Figure 5.13.

9. Remove bolts and nuts to disconnect both stabilizers from mower deck and power unit. See Figure 4.12.

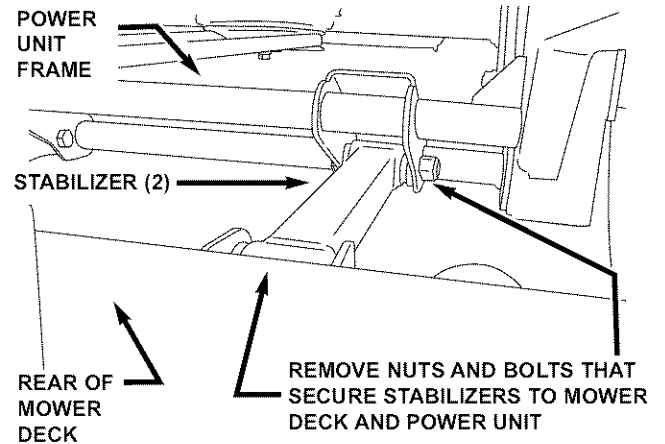


FIGURE 4.12

10. Remove wooden blocks from underneath deck and roll/slide deck from underneath power unit.

11. Reinstall deck in reverse order in which it was removed. Tighten all nuts and bolts securely. **NOTE:** Do not overtighten fitting nuts on front lift arms; fittings should be able to rotate.

4.7 HYDRAULIC FLUID FILTERS

IMPORTANT: REFER TO SECTION "HYDRAULIC SYSTEM PURGING" BEFORE PERFORMING FILTER MAINTENANCE.

The first filter change is recommended at 200 hours. After the first change, the recommended interval is every 500 hours. Replace both with approved filters only (Snapper P/N 1719168). Install following instructions provided with the filter. Add SAE 20W50 oil to bring the level in the reservoirs to 1-1/2" below top of filler neck. Run machine for several minutes and re-check fluid level. Add oil as needed.

Section 5 - ADJUSTMENTS & REPAIR



5.1 NEUTRAL POSITION ADJUSTMENTS

The motion control levers control the movement and stopping of the machine. Move the control levers to the center or neutral position to stop machine.

IMPORTANT: Always return both motion control levers with hand assistance to the neutral position. If machine does not come to a complete stop or machine has movement when control levers are moved to the neutral lock position, adjustment must be made.

1. Turn key to "OFF" position.
2. Move motion control levers to the neutral lock position. Refer to Figure 3.7.
3. Raise both rear wheels off the ground. Secure machine with safety blocks.
4. Remove pump fan cover plate to expose top of hydro pumps and linkages. See Figure 5.1.
IMPORTANT: If needed, carefully remove wire ties securing fuel line to plate, being careful not to damage fuel line. Be sure to secure fuel line with new wire ties after reinstalling plate.
- NOTE:** In order to raise operator seat to access components, seat must be in rearmost position.
5. Remove both fans from top of hydro pumps.

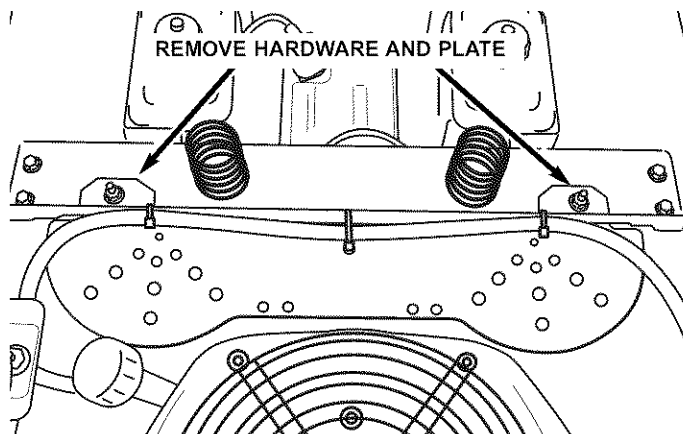


FIGURE 5.1

6. Disconnect motion lever connecting rods from hydro pump activation assembly. See Figure 5.2.
7. Turn key to start position and start machine. Move engine speed control to the Rabbit "FAST" position.
8. Disengage parking brake.
9. Both wheels should not have any movement, not rotating.

10. If wheel(s) are rotating, loosen the hydro pump activation assembly retaining screw. Move activation assembly forward or rearward to stop rotation of wheel. Retighten retaining screw. Repeat this step for other hydro pump. See Figure 5.3. **NOTE:** On some pumps, the retaining screw is located on the upper half of the activation assembly.

11. Stop engine.

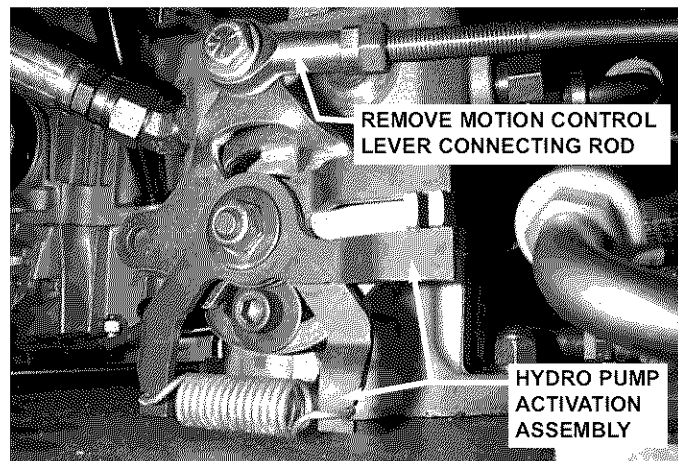


FIGURE 5.2

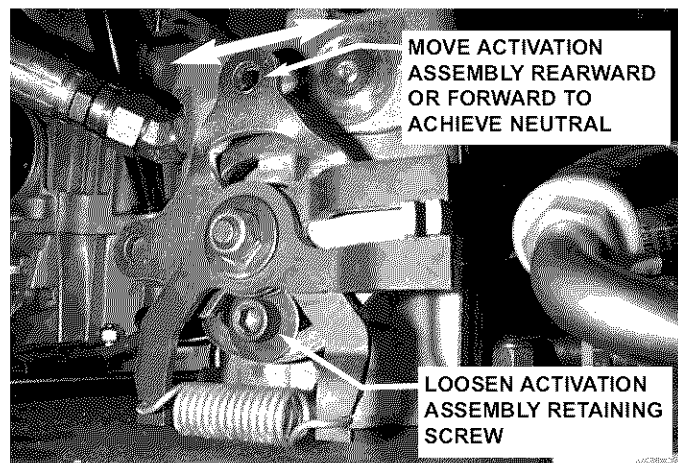


FIGURE 5.3

(Continued On Next Page)

Section 5 - ADJUSTMENTS & REPAIR



WARNING



DO NOT attempt any maintenance, adjustments or service with engine running. STOP engine. STOP blades. Set brake. Remove key. Remove spark plug wires and secure away from spark plugs. Engine and components are HOT. Avoid serious burns, allow sufficient time for all parts to cool.

5.2.1. MOWER DECK ADJUSTMENT (LEVELNESS) SIDE to SIDE and FRONT to REAR

8. Loosen the bottom nuts that secure both rear deck support eyebolts. Adjust top nuts until eyebolts are tight, then tighten bottom nuts securely. See Figure 5.6.

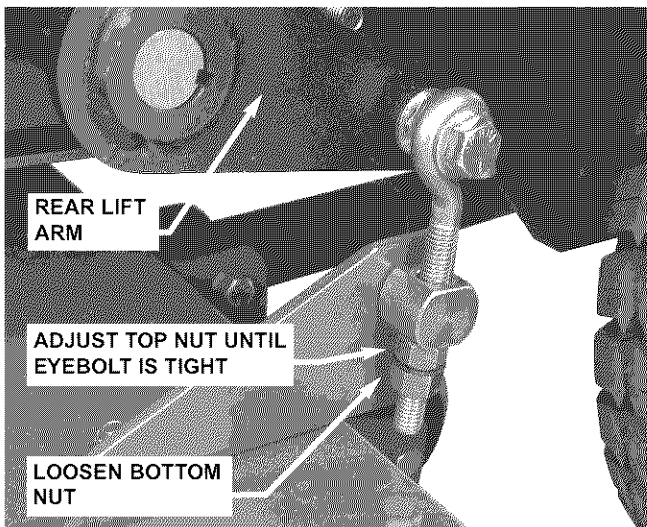


FIGURE 5.6

9. Set the mower deck to the transport position and recheck side to side blade tip dimensions. The difference between the two should be 1/8" or less.

NOTE: The deck timing rod is preset at the factory and requires no adjustments. See Figure 5.7.

10. The leveling blocks used in Step 4 should result in a proper deck pitch. If a pitch adjustment is required, use the two rear deck support eyebolts. Adjust up or down as required.

11. Reinstall deck lift assist spring. Place deck in transport position. Tighten nut on eyebolt until 2 1/4" protrudes past end of nut. See Figure 4.9.

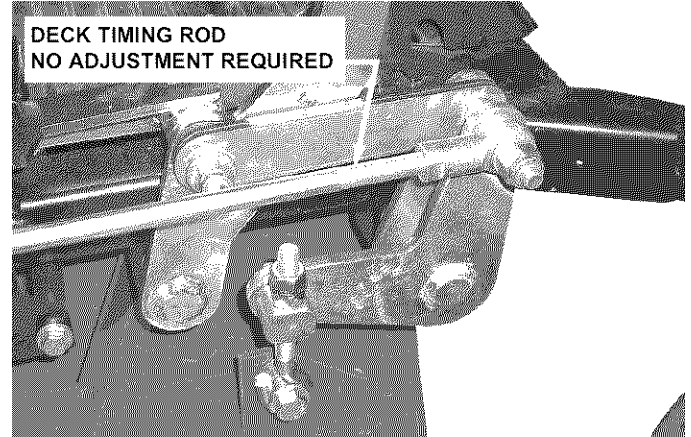


FIGURE 5.7



WARNING



DO NOT operate this machine if the brakes are not functioning properly!

5.3 PARKING BRAKE ADJUSTMENT

The parking brake can be adjusted by rotating hex nut clockwise to increase brake tension. If this adjustment does not result in proper braking action contact your authorized SNAPPER dealer for corrective action. See Figure 5.8.

1. Disengage parking brake. Measure the relaxed length of the brake spring.
2. Engage parking brake. Length of spring should decrease 3/8". Adjustment is required if less than 3/8".
3. Loosen jam nut.
4. Tighten hex nut to compress brake spring 3/8". Tighten jam nut to secure the hex nut in place. Disengage and engage parking brake and recheck brake spring compression measurement. Repeat previous steps for other wheel. See Figure 5.8.

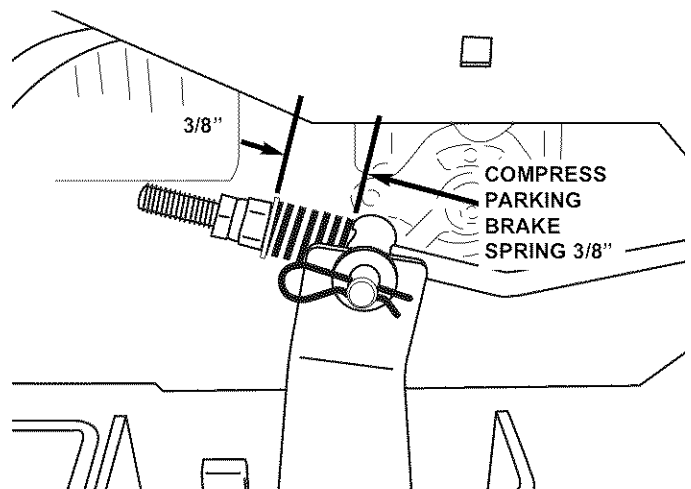


FIGURE 5.8

Section 5 - ADJUSTMENTS & REPAIR

WARNING
DO NOT attempt any maintenance, adjustments or service with engine running. STOP engine. STOP blades. Set brake. Remove key. Remove spark plug wires and secure away from spark plugs. Engine and components are HOT. Avoid serious burns, allow sufficient time for all parts to cool.

5.3 TRACTION BELT TENSION

The traction drive belt tension does not require adjustment. If the belts are slipping, they will have to be replaced.

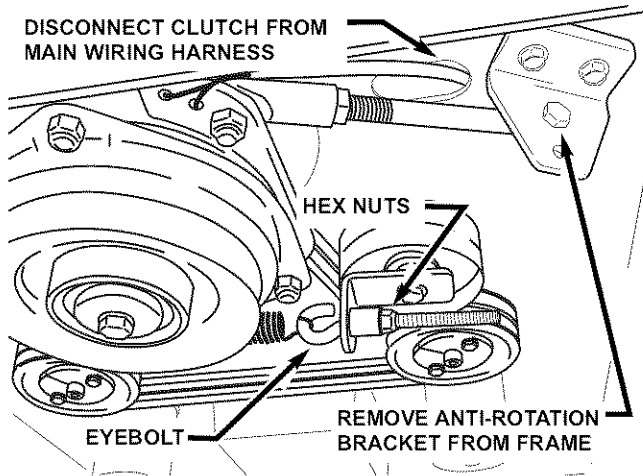


FIGURE 5.9

5.4 TRACTION BELT REPLACEMENT

1. Remove clutch to deck belt. Refer to Section "Mower Drive Belt Replacement".
2. Turn hex nuts out to the end of eyebolt, reducing spring tension. See Figure 5.9.
3. Remove hardware securing anti-rotation bracket to frame. See Figure 5.9. NOTE: Do not remove anti-rotation bracket from clutch.
4. Disconnect the electric clutch from main wire harness. See Figure 5.9.
5. Remove traction belts from around engine pulley and hydro pumps.
6. Install new belts, routing around engine pulley and hydro pump pulleys. See Figure 5.10.
7. Reconnect electric clutch to main wire harness.
8. Reinstall anti-rotation bracket to frame and tighten hardware securely.
9. Run hex nuts all the way to the end of the threads on the eyebolt. See Figure 5.9.
10. Reinstall electric clutch to deck belt onto electric clutch.

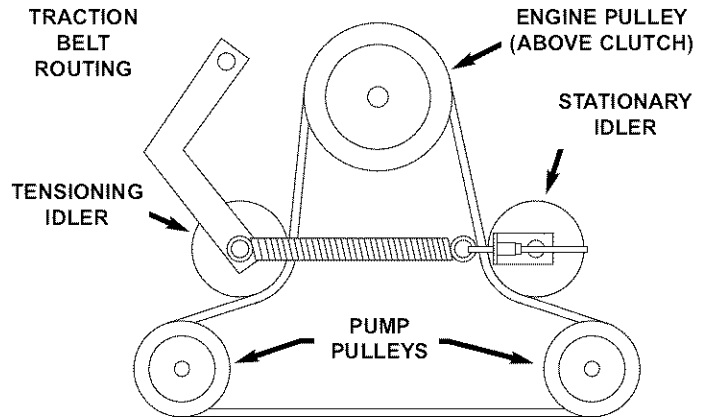


FIGURE 5.10
(View looking up)

5.5 BLADE BRAKE/ELECTRIC CLUTCH ADJUSTMENT

The blade switch engages the electric clutch when pulled out to the "ON" position. When the blade switch is in the "ON" position the cutting blade(s) are engaged. The blade switch disengages the electric clutch when the blade switch is pushed in to the "OFF" position. When the blade switch is in the "OFF" position the cutting blade(s) are disengaged. The electric clutch is adjustable. The blades should stop rotation in 7 seconds or less. If the electric clutch fails to stop the blades rotation in 7 seconds, adjustment is necessary.

1. Insert a feeler gauge into the three slots on the electric clutch.
2. Check gap through all three slots in the side of the clutch. The gap should be set at .015.
3. If gap is incorrect rotate nuts in or out to achieve the correct gap. See Figure 5.11.

NOTE: Electric Clutch is shown removed from the machine. Removal is not necessary for adjustment.

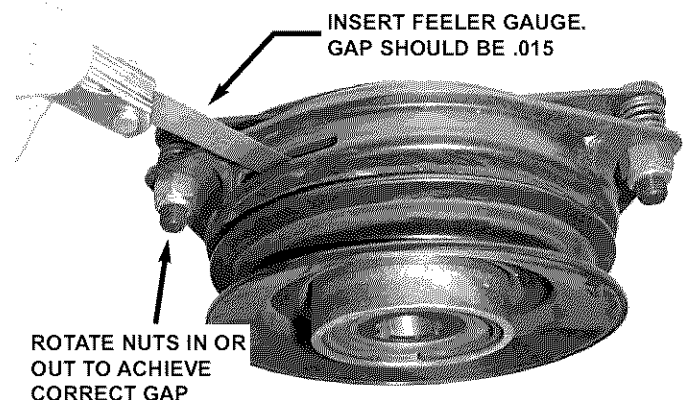


FIGURE 5.11

Section 5 - ADJUSTMENTS & REPAIR

5.11 HYDRAULIC SYSTEM, PURGING

After replacing or repairing hydraulic system components, one or both of the wheel drives may not pull properly. This is likely to be caused by air entrapped in the system. If you experience a pulling issue after completing repairs, perform the following procedure to purge the air from one or both of the hydraulic drive systems.

IMPORTANT: WHEN REPLACING THE HYDRAULIC FLUID FILTERS, PRE-FILL WITH OIL (SAE 20W50 API SL) BEFORE INSTALLING. PRE-FILLING THE FILTERS WITH OIL WILL REDUCE OR POSSIBLY ELIMINATE THE NEED TO PURGE THE SYSTEM OF ENTRAPPED AIR

1. Locate hydraulic reservoirs underneath operator's seat. After thoroughly cleaning the area around the top of each reservoir, remove filler cap. Bring fluid to proper level (1 ½" below the top of the filler neck). With engine off, add SAE 20W50 automotive oil. See Figure 4.6.

NOTE: In order to raise operator seat to access reservoirs, seat must be in rearmost position.

2. Open pressure relief valve on hydraulic pump, turning counter clockwise 2 full turns. See Figure 3.3.

3. Carefully raise the rear of the machine so the wheels are off of the ground. Securely block the machine to prevent it from falling.

4. While seated in the operator's position, start the engine. Place engine speed control in FAST position.

5. Release parking brake and move motion control levers out of the neutral lock position.

6. Slowly move motion control levers to the full forward and then to the full rearward positions. Repeat this process 6 times.

7. Stop engine and wait for all rotation to stop before leaving the operator's position.

8. Close pressure relief valve on hydraulic pump, turning clockwise. Tighten snugly.

9. With pressure relief valve closed, repeat Steps 4 thru 7.

10. Remove blocks and lower rear of machine.

11. Check fluid level in reservoir. Add SAE 20W50 automotive oil as required to bring fluid level to 1-½" from top of filler neck. Do Not over fill.

12. Install and tighten filler cap.

