Ariens OWNERS MANUAL

935000 SERIES
8 & 11 H.P. YARD TRACTORS

Model 935004 (YT8-32) 8 H.P.
Gear Drive with 32" Mower
Serial No. 000601 and up

Model 935003 (YT11-38) 11 H.P.
Gear Drive with 38" Mower
Serial no. 000101 and up

Model 935005 (YT11-32) 11 H.P.
Gear Drive with 32" Mower
Serial no. 000282 and up

ATTACHMENTS

Model 835004
32" Mower Attachment
Serial no. 000101 and up

Model 835005
38" Mower Attachment
Serial no. 000101 and up

A MESSAGE TO THE ARIENS CUSTOMER. . .

Welcome to the world of Ariens equipment. We are pleased that you have selected Ariens and sincerely believe you have purchased the best equipment available. The care you give your new Ariens equipment will greatly determine the satisfaction and service life you will obtain from it. Use this manual and the engine manual supplied, as your guide. By observing the instructions and suggestions in these manuals, your Ariens equipment will serve you well for many years.

Your Ariens dealer will be happy to supply any service or advice which may be required to keep your Ariens equipment operating at peak efficiency. He stocks genuine Ariens parts and lubricants; manufactured with the same precision and skill as the original equipment. His factory trained staff is kept well informed on the best methods of servicing Ariens equipment and is ready and able to serve you. If engine repairs or services are required, they can be obtained from an Ariens dealer or from an authorized engine manufacturer's service station.

Should service be required on equipment, be prepared to supply the serviceman with the Model Number and Serial Number of the equipment and the engine, as well as a full description of the trouble encountered.

Finally, your local Ariens dealer is in the best position to answer your questions and service equipment. If for some reason he is unable to satisfy your requirements, assistance is always available from the Consumer Services, Ariens Company, Brillion, Wisconsin 54110. Telephone: (414) 756-2141.

Ariens COMPANY BRILLION, WISCONSIN 54110

PART NUMBER 35318A *"A CUT ABOVE THE REST!"* PRINTED IN U.S.A.

INSTRUCTIONS FOR SAFE OPERATION

1. Know the controls and how to stop quickly. READ THE OWNER'S MANUAL.

2. Do not allow children to operate the vehicle. Do not allow adults to operate it without proper instruction.

3. Do not carry passengers. Keep children and pets a safe distance away.

4. Clear the work area of objects which might be picked up and thrown.

5. Sit on seat, disengage traction and attachment power and shift into neutral before attempting to start the engine.

6. Disengage power to attachment, stop the engine and place speed selector to "NEUTRAL" position and set parking brake lock before leaving the operator's position.

7. Disengage power to attachment and stop the engine before making any repairs or adjustments.

8. Disengage power to attachment when transporting or or not in use.

9. Take all possible precautions when leaving the vehicle unattended, such as disengaging the attachment power, lowering the attachment, shifting into neutral, setting the parking brake lock, stopping the engine and removing the key.

10. Do not stop or start suddenly when going uphill or downhill. Operate up and down the face of steep slopes; never across the face. If you cannot back up the hill, DO NOT operate the tractor on it. It is too steep for safe operation.

11. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.

12. Stay alert for holes in the terrain and other hidden hazards.

13. Use care when pulling loads or using heavy equipment.

    a. Use only approved hitch points
    b. Limit loads to those you can safely control.
    c. Do not turn sharply. Use care when backing.
    d. Use counterweight when suggested in the tractor owner's manual or in the attachment owner's manual.

14. Watch out for traffic when crossing or near roadways.

15. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.

16. Handle gasoline with care—it is highly flammable.

    a. Use approved gasoline container.
    b. Never remove the cap of the fuel tank or add gasoline to a running or hot engine, or fill the fuel tank indoors. Wipe up spilled gasoline.

17. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

18. Exhaust fumes are dangerous. Do not run the engine indoors.

19. Keep the vehicle and attachments in good operating condition, and keep safety devices in place.

20. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.

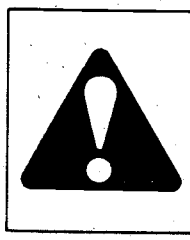
21. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease.

22. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment, see items 6 & 7.

23. Do not change the engine governor settings or overspeed the engine.

24. When using the vehicle with mower, proceed as follows:

    a. Mow only in daylight or in good artificial light.
    b. Shut the engine off when unclogging chute.
    c. Check the blade mounting bolts for proper tightness at frequent intervals.
    d. Always look behind you before backing up.

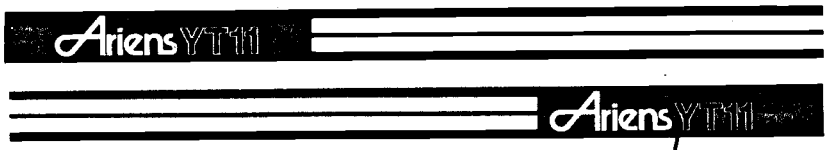


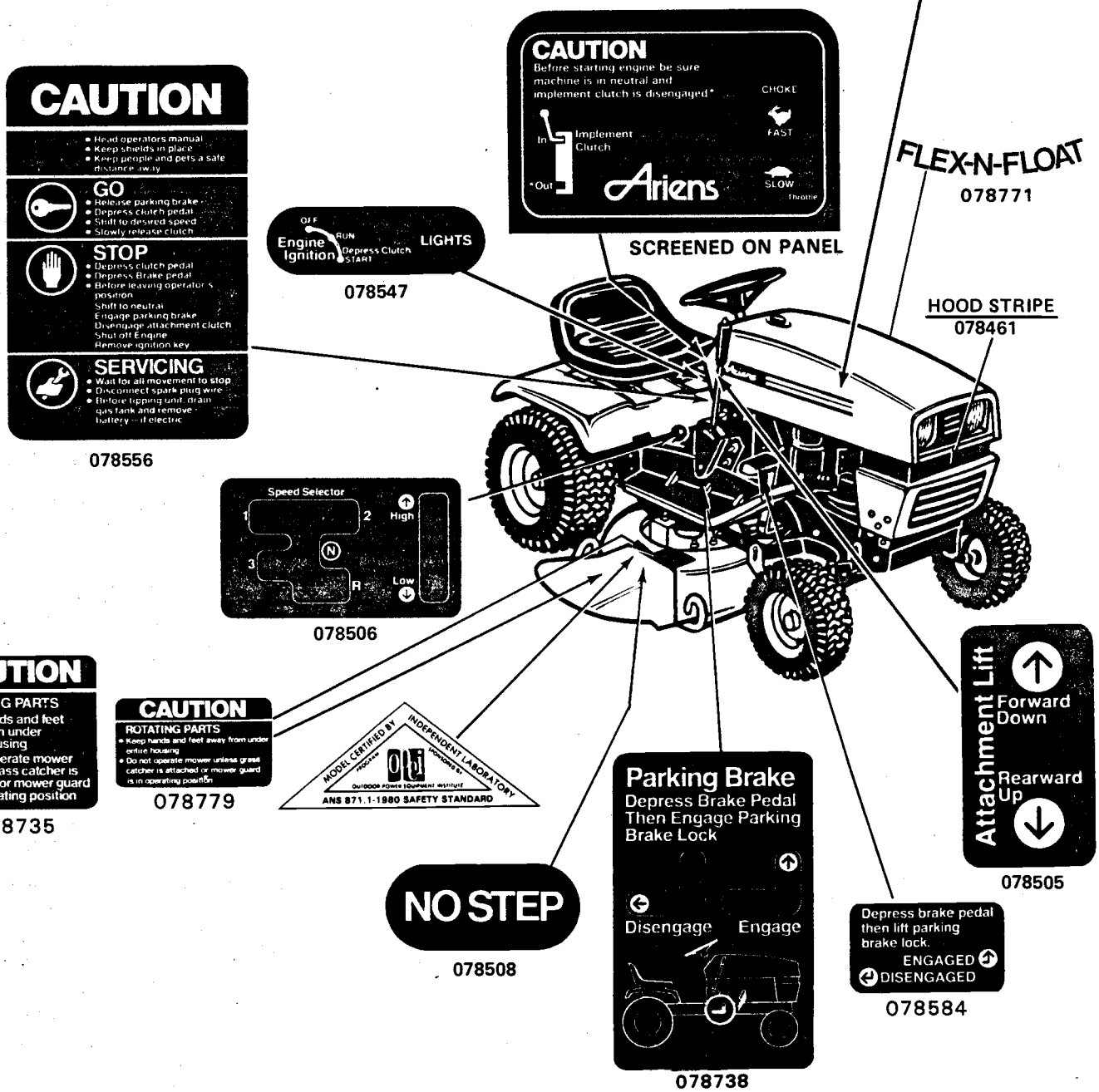
THIS SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT SAFETY INFORMATION IN THIS MANUAL. WHEN YOU SEE THE SYMBOL BE ALERT TO THE POSSIBILITY OF INJURY AND CAREFULLY READ THE INFORMATION THAT FOLLOWS.

BE AWARE OF SAFETY DECALS

078810 R.H. YT8 (935004 only)
078813 R.H. YT11 (935003, 5 only)

078809 L.H. YT8 (935004 only)
078812 R.H. YT11 (935003, 5 only)





CONTROLS

(A) IGNITION AND STARTER SWITCH — FIGURE 1

The ignition and starter switch has three positions: "OFF", "RUN", and "START". Start the engine by turning the key fully clockwise to "START" position and then release the key as soon as the engine starts. Stop the engine by turning the key counterclockwise to the "OFF" position.

(B) THROTTLE-CHOKE CONTROL LEVER — FIGURE 1

This control operates both the throttle and choke. When starting a cold engine, raise the lever past the offset and into the "CHOKE" position. After the engine has started, lower the lever to the throttle operating range and allow the engine to warm at ½ throttle. Select the appropriate engine speed in the throttle range after the engine has warmed up.

NOTE: UNLESS OTHERWISE SPECIFIED, THE ATTACHMENTS SHOULD BE OPERATED AT FULL THROTTLE. THE THROTTLE IS NOT TO BE USED TO SELECT DESIRED TRAVEL SPEEDS. OPERATE AT FULL THROTTLE AND REGULATE GROUND SPEED WITH THE GEAR SHIFT LEVER.

(C) LIGHT SWITCH — FIGURE 1

Turn lights on by pulling the control knob out. Turn lights off by pushing the knob in.

(D) ATTACHMENT LIFT LEVER — FIGURE 1

To raise the attachment, depress thumb button, pull the lever to the rear, and release thumb button. This will hold the attachment in the raised position. When using the mower attachment; select the "notch" that allows the mower to cut at the desired height.

To lower the attachment, pull the lever to the rear, depress the button to release the latch and allow the lever to move forward.

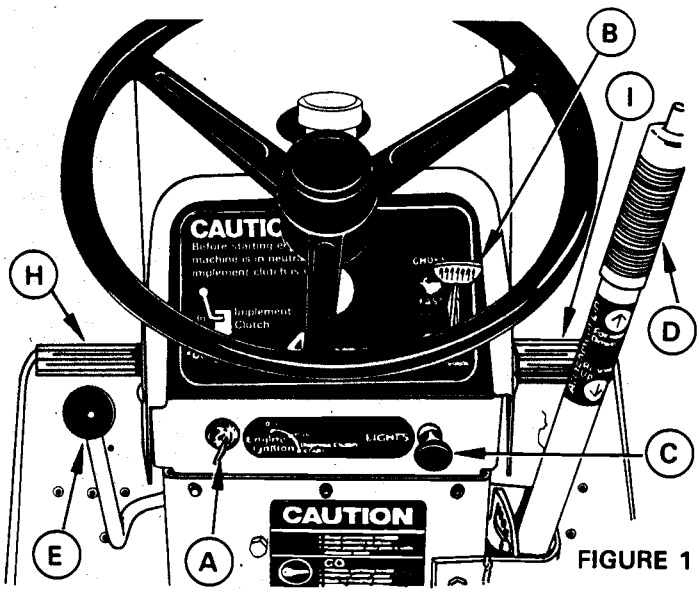


FIGURE 1

(E) IMPLEMENT POWER CLUTCH — FIGURE 1

The Implement Power Clutch is used to operate the attachments. Push the lever forward to engage the clutch and drive the attachment. Pull the lever rearward to disengage the clutch and stop the attachment. The lever must be in the rear (disengaged) position to start the engine. THIS IS A SAFETY FEATURE. The engine will not start until the lever has been placed in the disengaged position.

(F) SPEED SELECTOR LEVER — FIGURE 2

The Speed Selector Lever is used to select any of three forward gears or one reverse gear. The markings "1, 2, 3" and "R" on the floor plate indicate the locations of the gears. The slowest forward gear is indicated by "1", the secondary gear, "2" and the fastest gear, "3". The "R" indicates reverse. The Speed Selector Lever must be in the "NEUTRAL" position as shown in Figure 2 to start the engine. THIS IS A SAFETY FEATURE.

(G) HIGH-LOW SPEED RANGE SELECTOR — FIGURE 2

The High-Low Speed Selector gives a choice of six forward speeds; three in "HIGH" range; and three in "LOW" range. The speed in reverse gear is the same in both ranges. See "SPECIFICATIONS", page 40.

(H) CLUTCH PEDAL — FIGURE 1

Depressing the Clutch pedal disengages the transaxle from the engine and permits shifting the speed selector to any desired gear. Always release the clutch pedal slowly for smooth acceleration. Do not allow foot to rest on pedal except when clutching.

IMPORTANT: ALWAYS DEPRESS CLUTCH PEDAL TO EASE ENGINE STARTING. DEPRESSING CLUTCH PEDAL RELEASES PARKING BRAKE. BE READY TO APPLY FOOT BRAKE WHEN STARTING FROM PARK POSITION.

(I) BRAKE PEDAL — FIGURE 1

Depressing the brake pedal applys pressure to the disk brake and stops the tractor (with the clutch depressed). Be sure to depress clutch pedal to disengage the clutch before braking. Brake will not stop tractor without depressing clutch pedal.

(J) PARKING BRAKE LOCK — FIGURE 3

A Parking Brake Lock is provided to prevent the tractor from moving when parked or left unattended. To lock the brake, pull the parking brake lock up with the pedal fully depressed. Then release the brake pedal. Figure 3 shows the parking brake lock engaged. Clutch pedal must not be depressed when locking brake. Park brake lock may be disengaged by depressing either brake or clutch pedal.

IMPORTANT: ENGAGE THE BRAKE LOCK BEFORE DISMOUNTING FROM THE TRACTOR OR ANY TIME IT IS LEFT UNATTENDED.

CAUTION: WHEN USING TRACTOR OR ATTACHMENT FOR THE FIRST TIME USE LOW RANGE SPEEDS AND LOWER GEARS TO MAKE SURE OF YOUR CONTROLS.

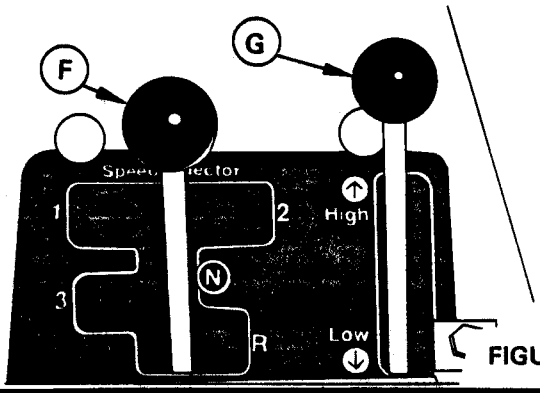


FIGURE 2

OPERATION

WHEN USING ATTACHMENTS

A rear weight box and wheel weights are available to increase traction when using the Sno-Thro or the front blade attachments. Rear tire chains are also available for use in snow conditions.

NOTE: TOO MUCH REAR WHEEL TRACTION WILL RESULT IN DRIVE TRAIN OVERLOAD AND POSSIBLE DAMAGE. THEREFORE: WEIGHT BOX LIMIT IS 125 LBS. REAR TIRE CHAINS ARE NOT TO BE USED ON DRY SOIL OR GRAVEL.

PRE-STARTING INSPECTION

1. Check oil in engine crankcase. Add oil as required to maintain proper level. See "LUBRICATION" section.
2. Check fuel supply. Fill with clean, fresh regular or unleaded gasoline only. See "LUBRICATION" section.
3. Check air cleaner and tire pressures.
4. Check for engine, transmission or differential oil leaks. See your Ariens dealer for repairs.
5. Make visual checks regarding safety precautions, obstructions and maintenance.

STARTING THE ENGINE

Use the following procedure to start the engine.

1. Depress Clutch Pedal Ⓗ and hold the tractor in position by depressing the Brake pedal Ⓘ .
2. Place the Speed Selector Lever Ⓕ in the "NEUTRAL" position as shown in Figure 2.

NOTE: THE ENGINE WILL NOT START UNLESS THE SPEED SELECTOR LEVER IS IN THE "NEUTRAL" POSITION.

3. Place Implement Power CLutch Lever Ⓔ Figure 1, in the rear (disengaged) position.

NOTE: THIS IS A SAFETY FEATURE. THE ENGINE WILL NOT START UNLESS THE CLUTCH LEVER IS IN THE DISENGAGED POSITION.

4. Raise Throttle-Choke Control Lever Ⓑ Figure 1, past the offset in the slot to the "CHOKE" position.

NOTE: OPERATOR MUST BE ON SEAT TO START UNIT. TRACTOR HAS A SEAT SWITCH FOR SAFETY.

5. Turn ignition key Ⓐ shown in Figure 1 clockwise all the way. Release key as soon as the engine starts and gradually lower the Throttle Choke Control Lever past the offset until the engine runs at ½ throttle.

NOTE: A WARM ENGINE WILL REQUIRE LESS CHOKING THAN A COLD ENGINE.

If the engine fails to start on the first attempt, turn key to the "OFF" position, wait a few minutes and try again. Do not operate starter continuously for more than 30 seconds at a time.

Always allow engine to warm up before applying load. In below freezing weather, allow engine to run at a fast idle for a period of at least five minutes before moving the tractor or starting the attachment. SERIOUS DAMAGE TO THE ENGINE AND TRANSMISSION COULD RESULT IF THIS PROCEDURE IS NOT FOLLOWED.

STOPPING THE ENGINE

Always use the following procedure to stop the engine:

1. Move the Speed Selector Lever Ⓕ (Figure 1) to the "NEUTRAL" position.
2. Disengage the Implement Power Clutch Ⓔ, Figure 1.
3. Engage Parking Brake Lock Ⓙ by depressing the Brake Pedal Ⓘ (Figure 1) and pulling up on the Parking Brake Lock Ⓙ (Figure 3).
4. Lower attachment to the ground.
5. Lower Throttle Lever and allow the engine to idle for a short period of time. DO NOT STOP A HOT ENGINE AT HIGH SPEED AS INTERNAL ENGINE DAMAGE COULD RESULT.
6. Turn ignition key counterclockwise to the "OFF" position to stop the engine.

7. BE CAREFUL: REMOVE IGNITION KEY BEFORE DISMOUNTING FROM TRACTOR. THIS WILL PREVENT CHILDREN AND INEXPERIENCED OPERATORS FROM STARTING THE TRACTOR.

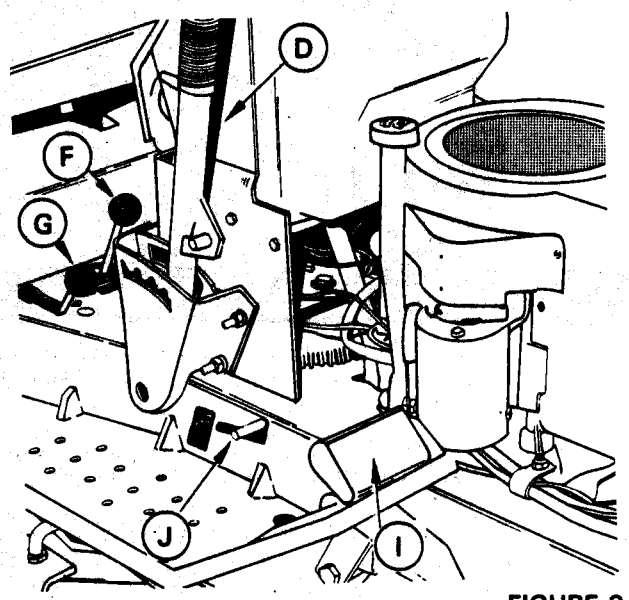


FIGURE 3
(YT11 Illustrated)

OPERATING THE TRACTOR

1. Start the engine using the procedure explained under "Pre-starting Inspection" and "Starting the Engine".

NOTE: THE SPEED SELECTOR LEVER MUST BE IN THE NEUTRAL POSITION, THE IMPLEMENT POWER CLUTCH LEVER DISENGAGED AND THE OPERATOR ON SEAT TO START THE ENGINE.

2. Release Parking Brake Lock Ⓙ by depressing the Brake Ⓘ or Clutch Pedal Ⓗ (Figure 1) until the lock disengages.
3. Depress Clutch Pedal, place Speed Selector Lever Ⓕ and High-Low Range Selector Ⓖ (Figure 1) into the desired gear and slowly release the pedal to provide smooth acceleration.
4. Select the desired throttle speed with the Throttle-Choke Control Lever. When operating a power-driven attachment, operate the engine at full throttle, (3250 RPM) unless otherwise specified and control travel speed by selecting an appropriate gear.
5. To raise or lower the attachment use the Attachment Lift Lever Ⓓ.
6. To start the attachment, engage the Implement Power Clutch Ⓔ slowly with the engine running at ½ throttle, then increase speed to full throttle.
7. To stop the tractor, fully depress Clutch and Brake Pedals and place Speed Selector Lever in "NEUTRAL". Fully depress Brake Pedal and engage the Parking Brake Lock when parking or leaving the tractor. (Figures 1, 2 & 3).

EMERGENCY STOPPING

Always use caution when mowing--be alert for children, pets or obstacles in path. If necessary to make emergency stop, step firmly on Brake Pedal and Clutch Pedal.

IMPORTANT: DO NOT FORCE SPEED SELECTOR LEVER IF GEAR DOES NOT ENGAGE. APPLY SLIGHT PRESSURE ON THE SPEED SELECTOR LEVER WHILE RELEASING THE CLUTCH PEDAL. THE CLUTCH PEDAL MUST BE DEPRESSED TO ENGAGE ANY SELECTED GEAR. DEPRESSING THE PEDAL TOO LITTLE WILL CAUSE GEAR CLASH AND POSSIBLE DAMAGE TO THE TRANSMISSION. HOLD LEVER TOWARD ENGAGED POSITION WHILE DECLUTCHING.

WARNING:

1. BEFORE SERVICING ANY ATTACHMENT:
   a. DISENGAGE POWER.
   b. SHUT OFF ENGINE.
   c. MAKE SURE ATTACHMENT HAS STOPPED REVOLVING.
   d DISCONNECT ENGINE SPARK PLUG CABLE TO PREVENT ACCIDENTAL RESTART.
2. KEEP CHILDREN, BYSTANDERS, AND PETS OUT OF THE WORKING AREA.
3. KEEP HANDS, FEET AND CLOTHING AWAY FROM POWER DRIVEN PARTS.
4. KEEP ALL SHIELDS AND GUARDS IN PLACE.

GRASS BAGGING

Ariens recommends grass cutting with grass bagger without vanes before installing vanes for increased performance. If performance is satisfactory without vanes (available for mowers of 32" cutting width or less), do not use vanes. The vanes use more power and generate more noise. Use vanes only if satisfactory performance cannot be obtained without them. Generally, broadleaf grasses can be cut and bagged without vanes. The finer grasses may require the use of vanes. In extremely wet conditions, vanes may also be of help.

ADJUSTMENTS

SEAT ADJUSTMENT

The seat is adjustable front or back to many positions. Adjustment is made by loosening the two rear mountng bolts located under rear of the seat, sliding the seat to the most comfortable position and then tightening the mounting bolts.

SHIFT LEVER DETENT ADJUSTMENT

Check tightness of screws holding shift handle in the detent positions. Screws must be tightened securely. This will eliminate jumping out of gear. See Figure 4.

TIGHTEN DETENT SCREWS THROUGH HOLES TO HOLD SHIFT LEVER IN GEAR

FIGURE 4

DISK BRAKE ADJUSTMENT — FIGURE 5

Once each season, or if the brake begins to slip and does not hold the tractor, it is necessary to adjust the disk brake located on the lower left side of the transaxle assembly. See Figure 5. Adjust as follows:

1. Position the tractor on a smooth level surface and place the speed selector lever in "NEUTRAL" so the tractor can be pushed by hand to check the brake.

2. Adjust the setscrew in the brake jaw assembly clockwise until the brake just starts to lock. This can be felt by pushing the tractor by hand. Leave the brake pedal up during this adjustment.

3. Turn setscrew ½ turn counterclockwise from locking point to adjust the brake.

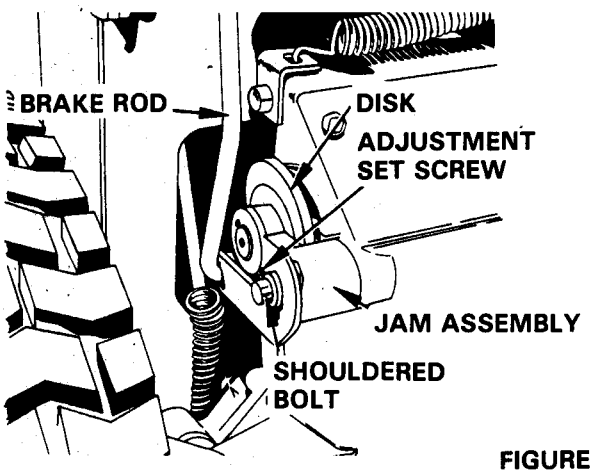


FIGURE 5

BRAKE PEDAL SPRING ADJUSTMENT — FIGURE 3

The tension on the brake pedal itself is adjustable. If the brake pedal does not return or feels loose, adjust the nut on the end of the brake rod just inside the frame next to the parking brake slot. Tighten the nut until the spring adjacent to the nuts is 1 ¼ inches in length.

FRONT WHEEL TOE-IN ADJUSTMENT — FIGURE 6

Proper toe-in of the front wheel is necessary to assure proper steering and to reduce tire wear. Correct toe-in is when the front of the wheels are ⅛" to ¼" closer together than the rear of the wheels (measured at the horizontal center line of the rim flanges).

If the steering develops a wandering characteristic or if excessive tire wear develops, the toe-in of the front wheels should be checked. If the toe-in is not correct, adjust as follows:

1. Turn steering wheel until the rear edge of the steering pivot is perpendicular (90 degrees) to the tractor frame as shown in Figure 6.

2. Adjust length of tie rods until distances from steering arm to frame (A and B) are equal and so distance C is between ⅛" to ¼" less than distance D.

NOTE: USE FOLLOWING PROCEDURE TO SHORTEN OR LENGTHEN TIE RODS.

1. Loosen jam nuts on ends of tie rods, Figure 6.

2. Remove the locknuts and pull out the ball joints. Rotate tie rods until distances A and B, Figure 6, are equal and distance C is ⅛" to ¼" less than D.

3. Tighten jam nuts securely. Replace ball joints in holes and secure with locknuts.

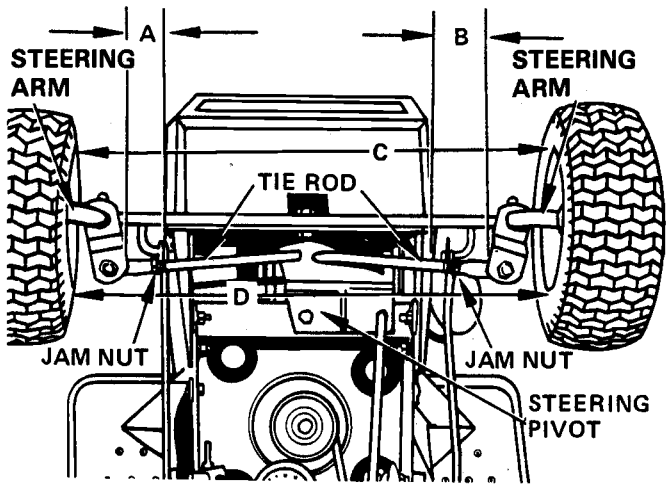


FIGURE 6

REMOVAL OF MOWER PAN — FIGURES 7 & 9

In order to perform some maintenance it may be necessary to remove the mower pan as follows:

1. Lower the mower pan. Remove the hairpin cotter and washer from the stud on the attachment idler (Figure 9) and disconnect the mower brake link.
2. Raise the mower deck. Loosen the belt fingers on the tractor PTO sheave, slide them to one side, and remove the mower belt from this sheave. See Figure 9.
3. Lower the mower pan and remove the hairpin cotters and washers. The two pins and washers on the front secure the mower pan to the front hangers and can be disconnected to free the front of the pan. The other two pins and washers join the front of the pan to the belt tightener bracket. Loosen the hex nuts and turn the rear hanger hooks to the side to free them from the rear hangers. See Figure 7.
4. Place front hanger on top of rear hanger. Raise the Attachment Lift Lever to pull the hangers up out of the way. Pull the mower pan from under the tractor.

The front and rear hangers may be assembled and engaged with washers and hairpin cotters.

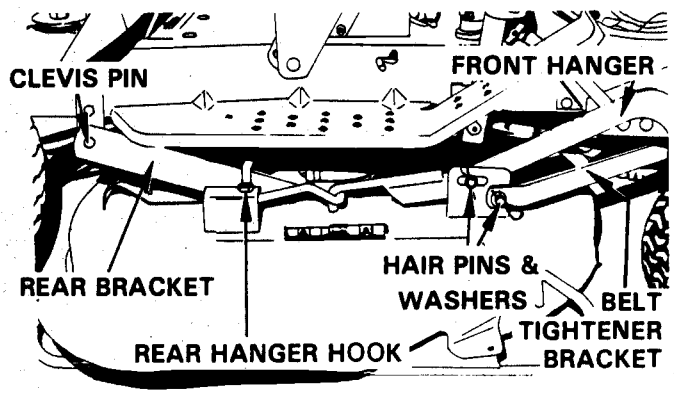


FIGURE 7

INSTALLATION OF MOWER PAN — FIGURES 7 & 8

Position the tractor on a smooth, level surface and install the mower pan as follows:

1. Lower the Attachment Lift Lever. One front set of pins and washers will connect the tabs on the front of the mower pan to the front hangers, the second set of pins and washers connect the front of the pan to the belt tightener bracket. The rear set of pins and washers connect the rear hangers to the frame.
2. With the Mower Belt in place on the pan and the lift arm in its highest position, position the pan under the tractor and forward against the front wheels.
3. Lower the Attachment Lift Lever. Slide the pan back (while lifting the rear of the pan) so that the pan hanger hooks slide up on the rear hanger. Assemble the front hangers to the tabs on the mower pan, while, at the same time, assemble the front and rear hangers. Secure with four washers and hairpin cotters. Connect the Belt Tightener Bracket to the pan.
4. Raise the Attachment Lift Lever to maximum height. Connect the Mower Belt to the tractor PTO Sheave.
5. Connect the blade brake arm to the stud on the center of the Attachment Clutch Idler. Secure with a washer and a hairpin cotter.
6. Adjust the belt fingers on the tractor PTO Sheave to clear the belt by 1/8 to 1/16". Tighten the belt finger hardware.

INSTALL BLADE BRAKE ARM AS SHOWN

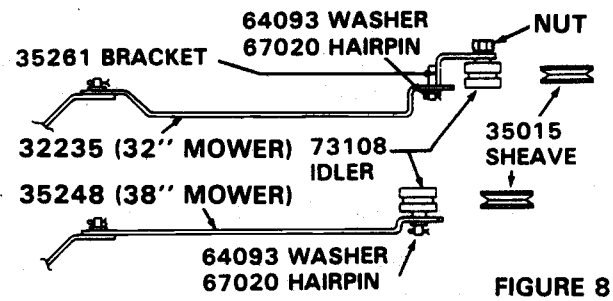


FIGURE 8

MOWER PAN LEVELING — FIGURES 7, 9 &13

The mower pan is designed to cut evenly with the rear of the pan 1/8 inch higher than the front. To level the mower pan proceed as follows:

1. Position the tractor on a smooth, level surface. Adjust tire pressure as follows (light loading):

   Front - 10 psi / Rear - 6 psi
2. Measure the distance from surface to mower blades at the front and rear of the pan. The rear of blades should be 1/8 inch higher than front and blades should hang even side to side.
3. If adjustment is required, turn the hex nuts on the rear hanger hooks to move the hooks up or down to secure the proper adjustment. When the pan is leveled and hangs evenly, tighten the hex nuts securely. See Figure 7.
4. Adjust mower belt for proper center distance. See Figure 9 and 13. Adjust nuts on the adjustor rod to move mower pan forward or backward. Adjust 1 to 1½ inch clearance between belt as shown in Figure 13 with mower pan in highest position.

⚠

CAUTION: ADJUSTMENT TOO FAR FORWARD W... NOT ALLOW MOWER BELT TO DECLUTCH! CHECK FOR PROPER MOWER BELT DECLUTCHING IN ALL HEIGHT POSITIONS. IF MOWER BELT DOES NOT

DECLUTCH, ADJUST MOWER PAN BACKWARD UNTIL PROPER DECLUTCHING OCCURS. (P.T.O. SHEAVE MUST NOT HAVE A TENDENCY TO DRIVE MOWER BELT AND/OR OVERRIDE BRAKE.)

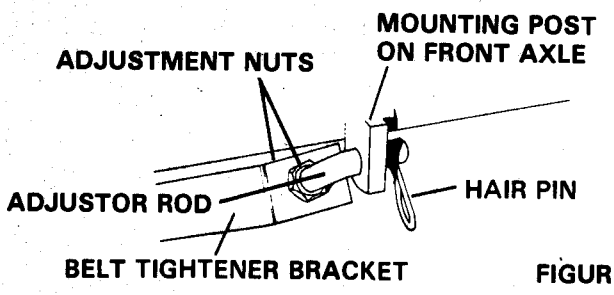


FIGURE 9

MOWER PAN CUTTING HEIGHT — FIGURE 10

After the mower pan has been leveled properly, minor adjustments can be made in the pan cutting height by increasing or decreasing the center distance between 35321 rod end and 35322 adjustment link. Increasing center distance lowers cutting height. Decreasing center distance raises cutting height. Raising the Attachment Lift Lever to another notch in the lift quadrant will also raise the cutting height of the mower pan. Adjust to suit individual grass cutting conditions.

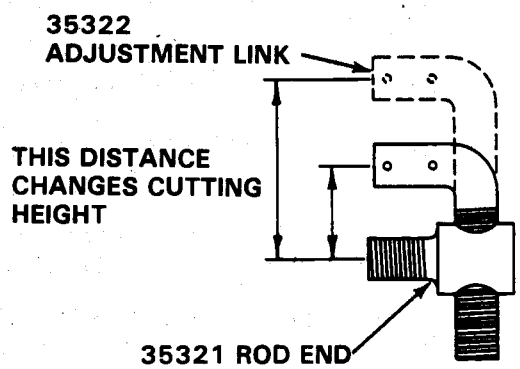


FIGURE 10

DRIVE BELT REPLACEMENT — FIGURES 11 & 12

A. Removal of Worn Belt

NOTE: REMOVE SPARK PLUG WIRE.

1. Loosen fasteners holding two belt fingers near PTO Sheave and rotate fingers away from sheave. See Figure 11.
2. Move Implement Clutch Lever to "OUT".
3. Raise mower to highest position with Attachment Lift Lever.
4. Unwrap mower drive belt from PTO Sheave (DO NOT PRY).
5. Lower mower to lowest position with Attachment Lift Lever.
6. Move Implement Clutch Lever to "IN".

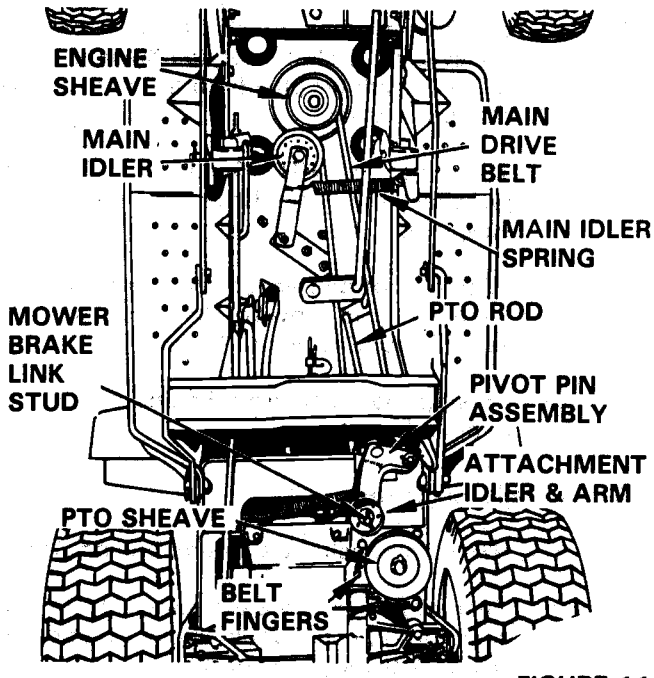


FIGURE 11

7. Remove hair pin and Mower Brake Link from Attachment Idler. See Figure 11.
8. Disconnect Attachment Idler spring from anchor on right side of transaxle. (Use vise grips). See Figure 11.
9. Remove cotter pin, washer and PTO Rod from the Attachment Idler arm. Figure 11.
10. Loosen fasteners holding two belt fingers around Traction Drive Belt to frame, and rotate fingers away from belt. See Figure 12.
11. Depress Clutch Pedal with left foot and unwrap Traction Drive Belt from transaxle and upper groove of top PTO Sheave. Figure 12.
12. Release clutch, disconnect traction clutch spring from Traction Clutch Idler Arm. (Use vise grips). See Figure 12.
13. Rotate Attachment Idler until hair pin at top of idler assembly pivot pin can be removed rearward. See Figure 12.
14. Remove PTO pivot pin, hair pin and washer. Figure 12.
15. Lower Attachment Idler assembly until Traction Clutch Idler Arm is free of pivot pin.
16. Disconnect Main Idler spring from anchor point at left side of frame. (Use vise grips).
17. With a $^{9}/_{16}$" open end wrench, hold the jackshaft via the milled flats under the PTO Sheave. Remove large nut and internal tooth lockwasher on top of jackshaft. Figure 12.

18. Slide or drive, if necessary, the jackshaft downward until it clears the top PTO Sheave. If the shaft must be driven use a ¼ or $^{3}/_{8}$" diameter punch so as not to flatten the top threads.

19. With the top PTO Sheave clear of the jackshaft the Main Drive Belt can be unwrapped.

20. Slide rear of belt ahead and between upper traction and lower Attachment Idler assemblies. See Figure 11.

21. Unwrap main belt from Engine Sheave and remove from tractor.

B. Installation of New Belt

1. Wrap new main belt around Engine Sheave.

2. Feed other end rearward, above steering arm and through, between upper Traction and lower Attachment Idler pivot assemblies.

3. Push Attachment Idler arm upward until pivot pin is completely positioned through the traction clutch idler arm pivot.

4. Rotate Attachment Idler Arm so that hair pin can be reinstalled in a forward direction. Place washer over pivot pin and install hair pin.

5. Move Implement Clutch to "IN".

6. Feed PTO Rod between Main Drive Belt lengths and install end through hole in Attachment Idler Arm. See Figure 11.

7. Install washer and cotter pin in PTO Rod.

8. Connect Attachment Idler spring to anchor on right front corner of transaxle. (Use vise grips).

9. Wrap main belt around lower (larger) groove of top PTO Sheave. See Figure 12.

10. Align top PTO Sheave bore above jackshaft spindle bore and slide jackshaft upward and through top PTO Sheave. Be sure spacer washer is between upper spindle bearing and top PTO Sheave. See Figure 12.

11. Insert key in PTO jackshaft and top PTO Sheave assembly.

12. Install internal tooth lockwasher on top of jackshaft and secure assembly with nut. Use $^{9}/_{16}$" flats on bottom of jackshaft to hold.

13. Reconnect Main Idler Spring to anchor hole on left side of frame. Be sure Main Idler is on backside of Main Drive Belt and spring is above steering link. See Figure 11.

14. Grasp Traction Clutch Idler spring with vise grips and connect hook to Traction Clutch Idler Arm. See Figure 12.

15. Depress traction clutch pedal and wrap Traction Drive Belt around upper groove on PTO Sheave and Transaxle Sheave. DO NOT PRY. See Figure 12.

16. Release Clutch Pedal and align and tighten traction belt fingers to $^{1}/_{16}$" to $^{1}/_{8}$" from belt.

17. Move Implement Clutch Lever to "OUT".

18. Raise Attachment Lift Lever to highest position.

19. Wrap Mower Belt around bottom PTO Sheave. DO NOT PRY.

20. Re-align fingers around bottom PTO Sheave pulley $^{1}/_{16}$" to $^{1}/_{8}$" away from pulley and tighten.

21. Move Implement Clutch Lever to "IN" position.

22. Attach Mower Brake Link to Stud under Attachment Idler and secure with hair pin. See Figure 8.

23. Leave spark plug wire disconnected.

24. Lower Attachment Lift Lever to lowest position.

25. Move Implement Clutch Lever to "OUT". Place Speed Selector Lever in "NEUTRAL".

26. Crank engine with starter about six revolutions.

27. Inspect Main Drive Belt and Main Idler for alignment and clearance from sharp edges.

28. Replace spark plug wire and test function.

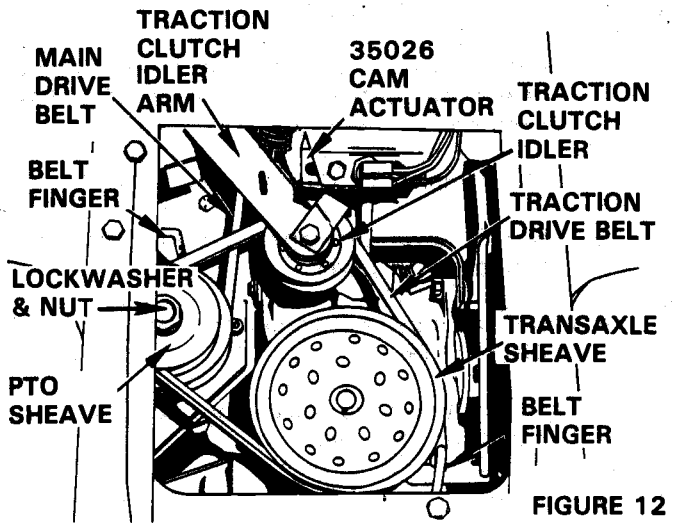


FIGURE 12

REPLACEMENT OF TRACTION DRIVE BELT - FIGURE 12

The Traction Drive Belt is easily replaced by lifting the rear deck; loosening the belt fingers; including belt finger on Traction Clutch Idler Arm; depressing the Clutch Pedal and removing the belt. Replacement is similar, depress the Clutch Pedal; install the belt and replace the belt fingers. Adjust the three belt fingers to provide ⅛ to 1/16 inch clearance from the belt with clutch engaged (pedal up).

MOWER BELT — FIGURES 13 & 14

If belt squeals when Implement Power Clutch is properly engaged, check adjustment of belt. If squeals continue, belt may require replacement.

A. Removal

1. Place the Attachment Lift Lever in the lowest position, (forward). Disengage the Attachment Clutch (lever to rear).

2. Loosen the belt fingers at the PTO Sheave and turn them away from the sheave.

3. Remove the hair pin or cotter pin securing the brake band and rotate the band away from the sheave. See Figure 13.

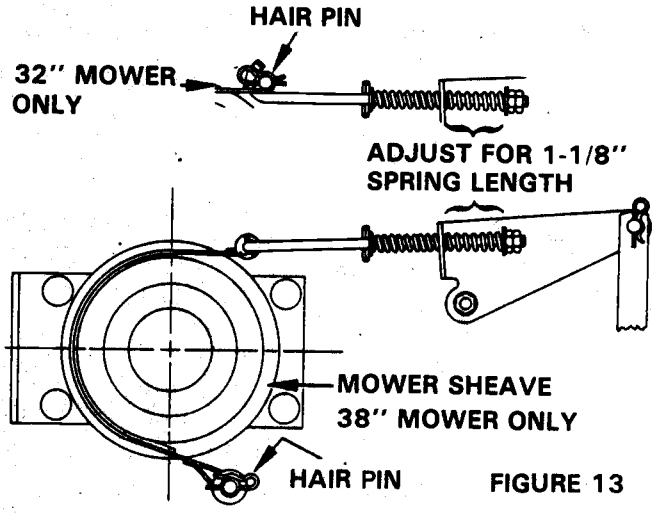


FIGURE 13

4. Raise the mower pan to its mid position and remove the Mower Belt from the PTO Sheave; lower the pan and remove the belt from mower pan. See Figure 14.

B. Replacement

1. Position the replacement Mower Belt around the sheave on the mower pan. Reposition the brake band around the sheave and secure with the cotter or hair pin. See Figure 13.

2. Raise the mower pan to its center position and install the Mower Belt around the PTO Sheave. See Figure 14.

A NOTE ABOUT ARIENS BELTS

ARIENS BELTS are individually engineered to the highest standards of material quality, design, and construction including special cording locations for strength and stability. This assures that the belts will deliver maximum performance and durability for each product's specific applications.

The selling price of **ARIENS BELTS** reflects these quality features. Our name and number stamped on your replacement belt is your assurance of receiving the quality you are paying for.

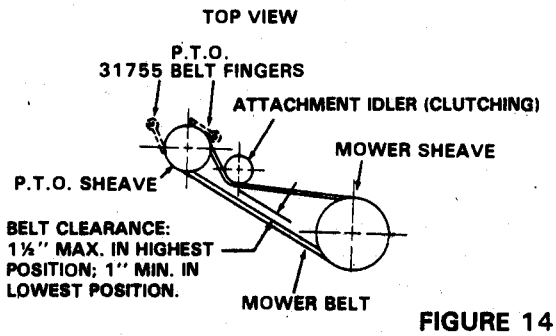


FIGURE 14

MOWER BRAKE ADJUSTMENT — FIGURE 13

With the Mower Belt adjusted and the Implement Power Clutch disengaged, adjust the nut on the end of the brake rod until the spring is 1 1/8" in length. See Figure 13.

MOWER RUNNER ADJUSTMENT

After adjusting the cutting height and blade pitch as described elsewhere in this section, the mower runners may be adjusted, as desired, to allow smooth, even cutting of grass at different cutting height settings. Adjustment must be even from side to side. Assemble outside spacers to runners and mower before center spacers. This will aid in alignment and ease of installation. Do not tighten hardware until outside spacers are installed.

1. To pre-set the runners prior to a test cutting they may be adjusted as shown in Figure 15.

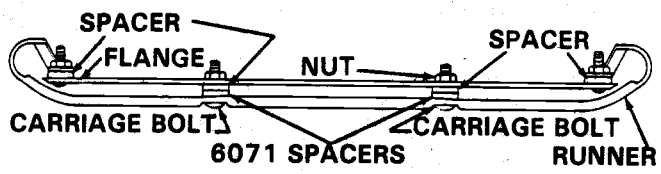


FIGURE 15

2. To obtain smoothest cutting in lowest cutting height settings, the runners may be adjusted as shown in Figure 16.

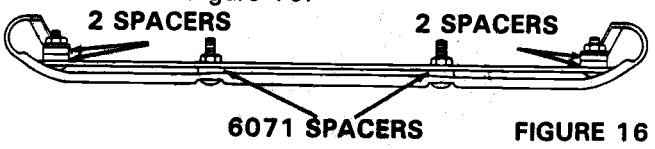


FIGURE 16

3. To obtain smoothest cutting in higher cutting height settings, the runners should be adjusted as shown in Figure 17.

FIGURE

MAINTENANCE

CAUTION: REMOVE BATTERY FROM TRACTOR BEFORE TIPPING OR LIFTING THE UNIT FOR ADJUSTMENTS. BATTERY IS NOT SEALED AND SPILLED ACID WILL DAMAGE PRODUCT. WHEN HANDLING BATTERY BE SURE TO AVOID CONTACT WITH BATTERY ACID, WHICH CAN CAUSE SERIOUS INJURY TO EYES, ETC. FOLLOW ALL CHARGING INSTRUCTIONS CAREFULLY. WHEN "JUMP STARTING" THE UNIT BE SURE TO CONNECT THE NEGATIVE BOOSTER CABLE TO FRAMES (NOT TERMINAL.)

GENERAL

All dealers will provide any service which may be required to keep the Yard Tractor operating at peak efficiency. Ariens Company recommends that you contact an Ariens dealer before making any adjustments to this tractor. Refer to the Engine Instructions for engine maintenance instructions. If repairs or service are required for the engine, see your Ariens dealer or the nearest authorized engine service station.

RAISING THE HOOD — FIGURE 18

1. The engine, battery, electrical components, air cleaner, fuel filter and fuel tank are readily accessible by raising the hood.

2. To raise the hood, grasp each side and raise it upwards and forward until it stops.

RAISING THE REAR DECK — FIGURE 18

The transaxle, PTO and jackshaft assembly, clutch idler, and Traction Drive Belt are readily accessible by raising the rear deck until the seat rests against the steering wheel.

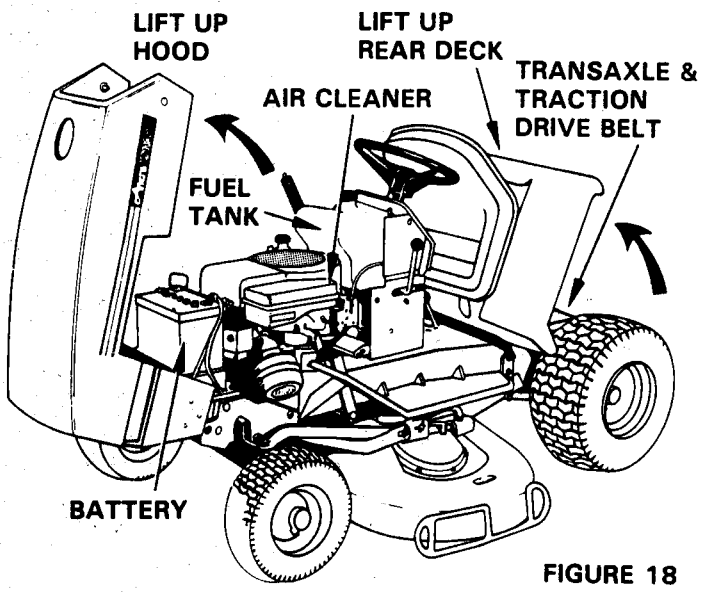


FIGURE 18

AIR CLEANER SERVICE — FIGURE 19

Clean the air cleaner and re-oil the element every 25 hours under normal operating conditions. When operating in extremely dusty conditions, perform this service at more frequent intervals. Use the following procedure to service the air cleaner.

1. Raise the tractor hood. Remove screws, "A", Figure 15, and lift off complete air cleaner assembly.

2. Remove screen and spacers from the foam element, Figure 19.

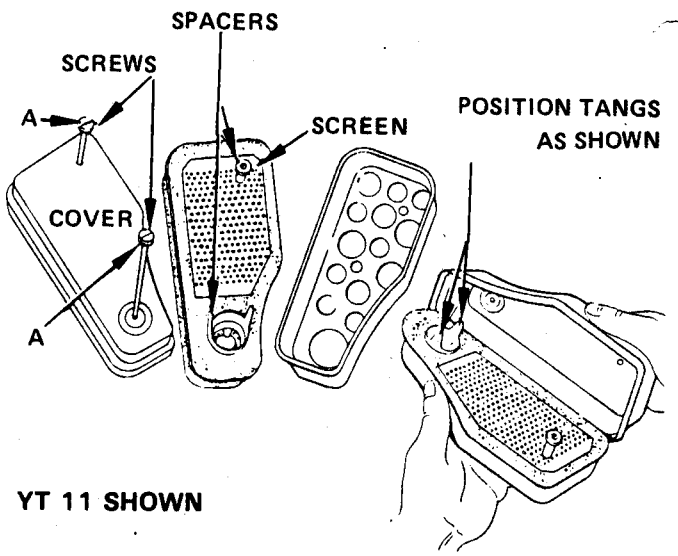
3. Wash foam element in kerosene or liquid detergent and water to remove dirt. Wrap foam in cloth and squeeze dry. Let dry overnight.

4. Saturate foam element in clean oil. Squeeze to remove the excess oil.

5. Re-assemble parts and re-install complete assembly on the carburetor.

NOTE: WHEN RE-ASSEMBLING THE PARTS, MAKE CERTAIN THE FOAM ELEMENT EXTENDS OVER THE EDGE OF THE AIR CLEANER BODY. THE FOAM ELEMENT WILL FORM A PROTECTIVE SEAL.

IMPORTANT: NEVER RUN THE ENGINE WITH THE AIR CLEANER REMOVED!



YT 11 SHOWN

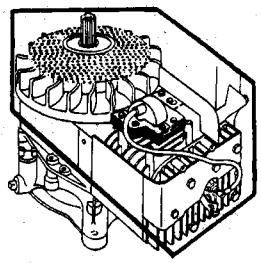
FIGURE 19

ENGINE COOLING SYSTEM — FIGURE 20

1. The engine is air cooled. Grass particles, chaff and dirt may clog the cooling system, especially when mowing dry grass or operating in extremely dusty conditions. Continued operation with a clogged cooling system may cause severe overheating and possible engine damage.

2. It is essential that the rotating screen, engine cooling fins and the exhaust system be kept free of dirt and debris which could cause the engine to overheat.

3. To avoid overheating and possible engine damage, periodically remove the shrouding from around the cooling fins, Figure 16, and clean the area shown within the heavy black line of all grass,dirt or chaff accumulation.



KEEP AREAS WITHIN HEAVY LINES CLEAR OF ALL DEBRIS

FIGURE 20

SEAT MAINTENANCE

Clean the seat regularly, using a vinyl cleaner (not a solvent.) Extreme temperatures can damage the seat when left without protection against the weather. If the seat should tear, apply vinyl repair tape to the damaged area.

BATTERY SERVICE

NOTE: REFER TO "BATTERY SET-UP AND MAINTENANCE" SECTION, PAGE 36.

1. Check the battery electrolyte level once each week or every 25 hours of operation. Check it monthly if the tractor is idle or is in storage. Add distilled water to bring the level to the bottom of the split ring in the filler tube of each cell.

2. Each spring and fall clean the battery and terminals with ammonia or bicarbonate of soda solution followed by flushing with clean water. Keeping the battery clean will prolong battery life. After cleaning, apply a light coat of grease to the terminal and cable ends.

3. Keep cable clamps securely tightened to terminals and keep battery hold-down clamps tight to prevent vibration. Do not overtighten clamps. This could warp the case.

WARNING: STORAGE BATTERIES GIVE OFF HIGHLY INFLAMMABLE HYDROGEN GAS. DO NOT ALLOW SPARKS OR FLAME NEAR BATTERY. DO NOT LAY TOOLS ACROSS BATTERY TERMINALS WHICH MAY CAUSE A SPARK RESULTING IN AN EXPLOSION.

4. Maintain the battery at full charge during storage and during the winter months to prevent freezing. When water is added during freezing weather, run the engine at least on hour to bring the battery up to a full state of charge.

5. When installing the battery, make certain the ground cable is connected to the negative(-) terminal on battery. See Figure 22. Be sure positive cable is connected to positive (+) terminal.

TIRES PRESSURES - TABLE 1

Check tires pressures at least once each month. Inflate tires to pressures shown using a low pressure tire gauge for accurate readings. Keep tires properly inflated at all times. Over-inflation will cause operator discomfort. Under-inflation will cause short tire life. Make sure the tire valve caps are in place.

TIRE SIZE	LOADING		
	Light	Medium	Heavy
Front 13 x 5.00 - 6	(Lawn Work) 8 psi	(Sno-Thro) 12 psi	16 psi
Rear 18 x 8.50 - 8	(Lawn Work) 6 psi	(Sno-Thro) 8 psi	10 psi

TABLE 1

FUEL FILTER SERVICE — FIGURE 21

When dirt or other foreign material is allowed to enter the fuel tank it will collect in the fuel filter eventually causing fuel stoppage. If this occurs, replace filter.

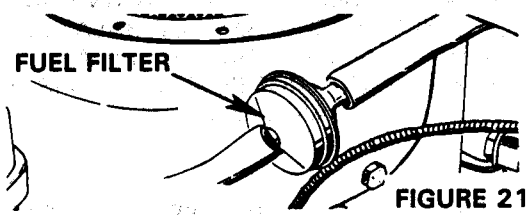


FIGURE 21

MOWER BLADE AND VANES MAINTENANCE

Check tire pressure. Uneven tire pressure may cause uneven grass cutting.

Models with 32" mowers are equipped with high lift blades standard. Vanes (Service Part No. 527011) may be bolted to the blades to improve discharge and bagging or collecting of grass. These vanes may or may not be helpful depending on your type of grass and cutting conditions.

Ariens recommends that the user try the mower without vanes first and if the performance is satisfactory, use without vanes since the vanes use more power and generate more noise. Use vanes (Service Part No. 527011) only if satisfactory performance cannot be obtained without them. Generally, broadleaf grasses can be cut and bagged without vanes. The finer grasses may require vanes. In extremely wet conditions, vanes may also be of help.

Routinely check for wear on the mower blade and vanes, if used. This is especially true in sandy soil conditions.

CAUTION: WEAR OF THE MOWER BLADE CAN CAUSE STRUCTURAL WEAKNESS. DO NOT INSTALL NEW OR REPLACEMENT VANES ON WORN BLADES. THIS IS A POTENTIAL HAZARD.

Replace worn parts with Ariens original equipment, blades, vanes, and Grade 8 hardware as specified. Cap screws must be installed with heads on top of the vanes and vanes on top of the blade.

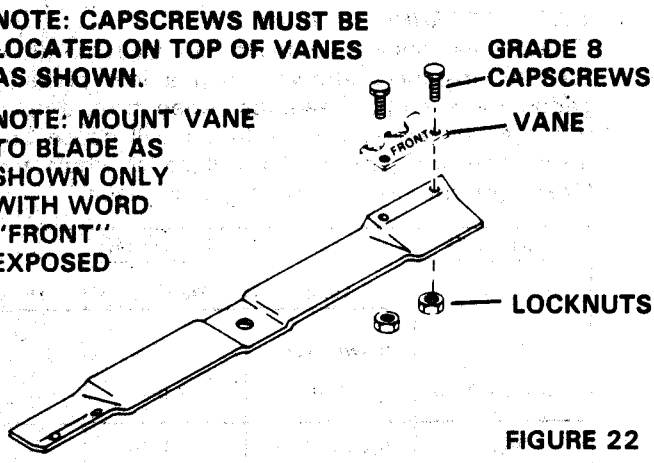


FIGURE 22

IMPORTANT: THE VANES (SERVICE PART NO. 527011) MUST BE USED IN PAIRS. THEY CANNOT BE INTERCHANGED WITH DIFFERENT OR WORN VANES ON THE SAME BLADE. USING ONE OF EACH OF A DIFFERENT TYPE OR WORN VANE WILL CAUSE THE BLADE TO BE OUT OF BALANCE AND SEVERE VIBRATION WILL OCCUR. EVEN WEAR ON THE PARTS AND PROPER BALANCE IS ENSURED BY REPLACING VANES IN PAIRS.

The mower blade should always be kept sharp and properly balanced. Disconnect spark plug wire. Remove Mower Pan, clear dirt and grass from underside, and check blade. Use a heavy glove or padding for hand protection while removing mower blade. Remove the nut and lockwasher securing the blade and remove blade. See Figure 23.

Sharpen blade by following the same contour of the cutting edge; be careful not to round off the outer corners of cutting edge.

Sharpen both cutting edges equally to keep the blade balanced.

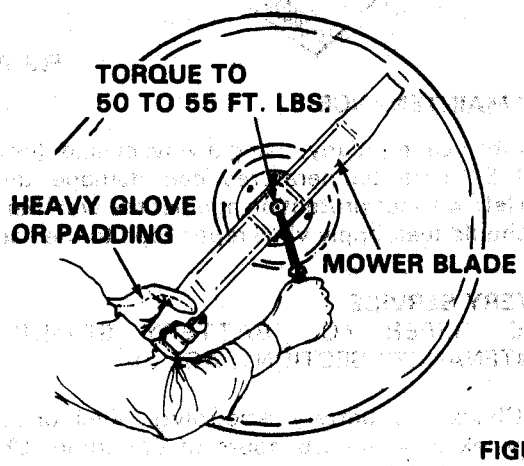


FIGURE 23

Replace mower blade in position on mower and secure with lockwasher and nut. Torque to 50-55 lbs. Be sure to use a heavy glove or padding for hand protectio while fastening blade.

LUBRICATION

FILLING THE FUEL TANK — FIGURE 24

Before filling the tank, wipe all dust and dirt from around the cap to prevent dirt from falling into the tank. Use an approved gasoline container and keep it clean. Fill tank completely. The tank capacity is 1.7 gallons (6.5 liters). Use clean, fresh "regular" grade of automotive gasoline. Use leaded or unleaded type. Do not use premium gasoline. Do not mix oil with gasoline. Refer to Engine Instructions also.

DANGER: ALWAYS USE CAUTION WHEN HANDLING GASOLINE. NEVER FILL THE FUEL TANK WHEN THE ENGINE IS RUNNING OR WHEN THE ENGINE IS HOT. NEVER SMOKE WHILE FILLING THE TANK. REMOVE THE IGNITION KEY BEFORE FILLING TANK.

ENGINE OIL — FIGURE 24

Fill crankcase with oil as recommended below. Refer, also, to Engine Manufacturer's Instructions supplied with the product. Check oil level before each use and change oil regularly according to Engine Manufacturer's Instructions. Check oil level with tractor on a level surface. Keep dipstick area clean.

SEASON	ENGINE OIL RECOMMENDATIONS — YT8
Summer: (Above 32°F)	SAE 30W or substitutes: SAE 10W30, 10W40
Winter: (Below 32°F)	SAE 5W30 or substitute: SAE 10W

ENGINE CRANKCASE CAPACITY IS 2 PINTS. DO NOT OVERFILL.

TABLE 2

SEASON	ENGINE OIL RECOMMENDATIONS — YT11
Summer: (Above 32°F)	SAE 30W or substitutes: SAE 10W30, 10W40
Winter: (Below 32°F)	SAE 10W30, 10W40
Below 0°F:	SAE 5W20, 5W30; or substitutes: 5W20, 5W30, 5W40 synthetic oil

ENGINE CRANKCASE CAPACITY IS 3 PINTS (1.4 LITERS). DO NOT OVERFILL.

TABLE 3

IMPORTANT: ENGINE WILL SMOKE EXCESSIVELY IF DIPSTICK IS NOT PUSHED DOWN UNTIL IT SNAPS INTO PLACE.

CHANGE ENGINE CRANKCASE OIL

1. When the tractor is new, the oil should be changed after the first five hours of operation. Thereafter under normal operating conditions the oil should be changed every 25 hours of operation. If extremely dusty or dirty conditions prevail, change oil more frequently.

2. Drain crankcase by opening petcock or removing the drain plug, Figure 24, while the engine is warm. Allow the oil to run into a container.

NOTE: WITH THE ENGINE WARM, THE OIL WILL FLOW MORE FREELY PERMITTING MORE CONTAMINANTS TO BE DRAINED FROM THE CRANKCASE.

3. Close petcock or replace the drain plug. Remove dipstick and refill crankcase with the proper type and viscosity of oil as shown in Tables 2 & 3. Check oil on the dipstick to make sure that the level is to the "FULL" mark. DO NOT OVERFILL.

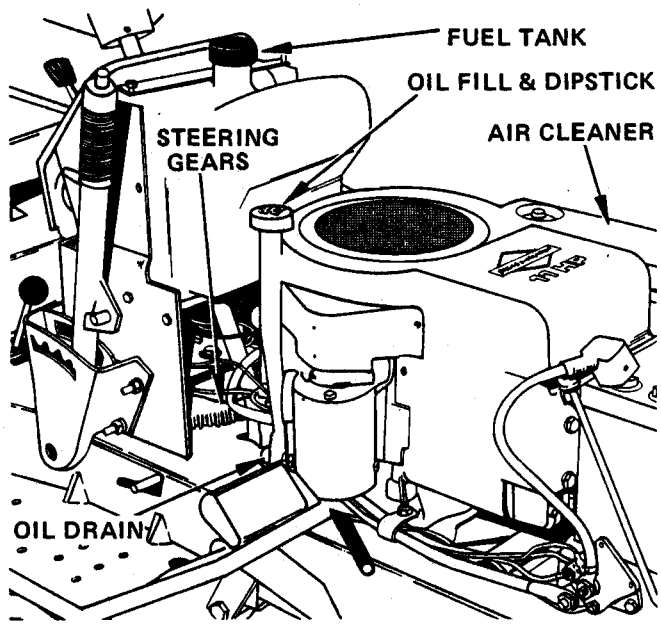


FIGURE 24

STEERING GEARS — FIGURE 24

Apply a light coat of Ariens Moly Lithium grease to steering gears every 50 hours of operation. See Figure 24.

TRANSAXLE OIL LEVEL

The Transaxle is lubricated at the factory and should require no further lubrication by the owner.

LUBRICATION

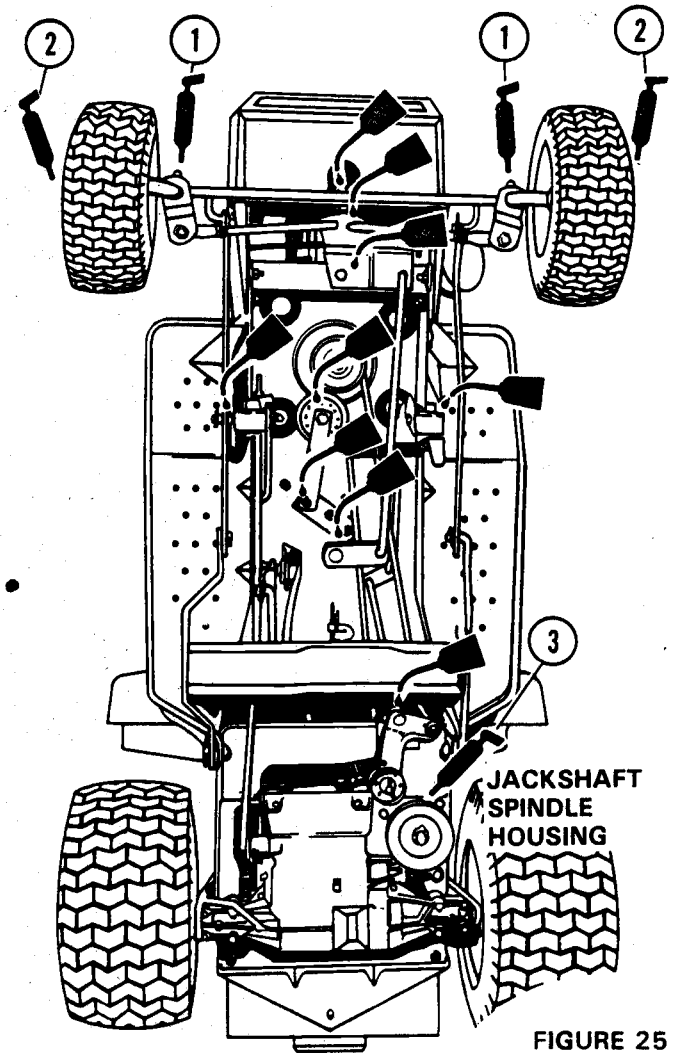


FIGURE 25

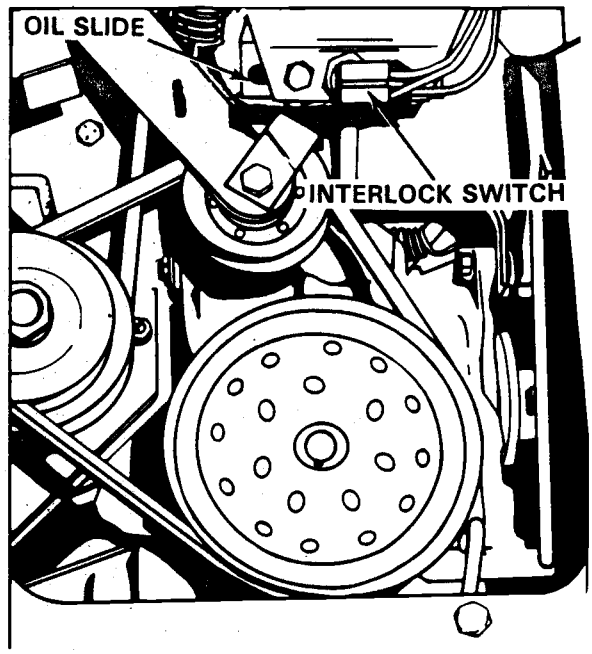


FIGURE 26

GREASE FITTINGS

Each fitting should be wiped clean before and aft lubrication. Grease each fitting every 50 hours of operation with Ariens Moly Lithium grease. Following is a list of the grease fittings with reference numbers that identify each location on the corresponding illustrations.

1. Right and Left Steering King Pins — Figure 25.
2. Right and Left Front Wheels — Figure 25.
3. Jackshaft Spindle Housing — Figures 25 & 27.
4. Grease mower input (center) spindle.
5. Transaxle is sealed for dirt-free operation. However, should repairs be needed, requiring additional lubrication, use Ariens Moly Lithium Grease, Part No. 150.

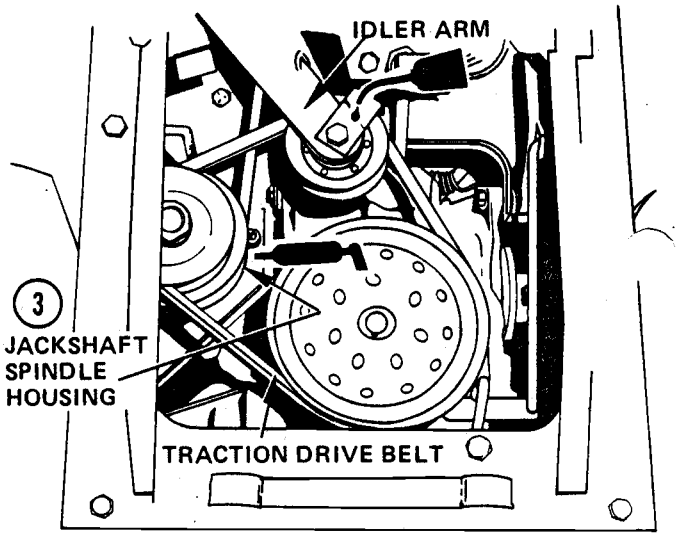


FIGURE 27

POINTS TO OIL — FIGURES 25, 26 & 27

1. Periodically oil the lift point pivots, front axle pivot, control linkage pivots and the shaft pivots to insure long life and smooth operation of the parts. See Figures 25 and 27.
2. Lubricate slide for shift interlock switch. See Figure 26.

IMPORTANT: KEEP GREASE AND OIL OFF THE BELTS TO AVOID BELT SLIPPAGE AND DETERIORATION.

STORAGE

NOTE: THESE INSTRUCTIONS WILL ASSIST YOU IN PREPARATION BEFORE AND AFTER STORAGE.

ENGINE

NEVER STORE PRODUCT IN AN ENCLOSED AREA WHERE FUEL FUMES MAY REACH AN OPEN FLAME, SPARK, OR PILOT OF FURNACE, ETC. DRAIN FUEL OUTDOORS, AWAY FROM OPEN FLAME, AND USE ONLY AN APPROVED FUEL CONTAINER.

If product is not to be used for thirty days or more, prepare as follows:

1. Run engine until fuel tank is empty and engine stops due to lack of fuel.
2. Be sure all fuel is removed from fuel tank (as well as any contamination). The carburetor and fuel tank must be clean and dry to prevent gum deposits from forming and the engine from malfunctioning.
3. If gasahol has been used, complete the steps above, then put a small amount of regular gasoline into the fuel tank and repeat the steps.
4. Remove all oil, grease, dirt and debris from the engine.
5. Change the engine oil. See "LUBRICATION" section of this manual.
6. Check and, if necessary, clean the air cleaner and replace fuel filter.
7. For extra protection remove the spark plug and pour one tablespoonful of engine crankcase type oil into the cylinder. Turn engine over manually (two revolutions of crankshaft).
8. Recap the spark plug according to Engine Instructions supplied with your tractor. Replace the spark plug if required.

BATTERY

Refer to "Battery Set-Up and Maintenance", page 36 of this manual.

GENERAL

NOTE: YOUR AUTHORIZED ARIENS DEALER IS TRAINED AND EQUIPPED TO SERVICE YOUR TRACTOR. A PERIODIC CHECK-UP BY YOUR DEALER WILL HELP REDUCE YOUR MAINTENANCE COSTS.

Store product in a cool, dry place to reduce tire deterioration. Blocking under the product frame will take the weight off the tires.

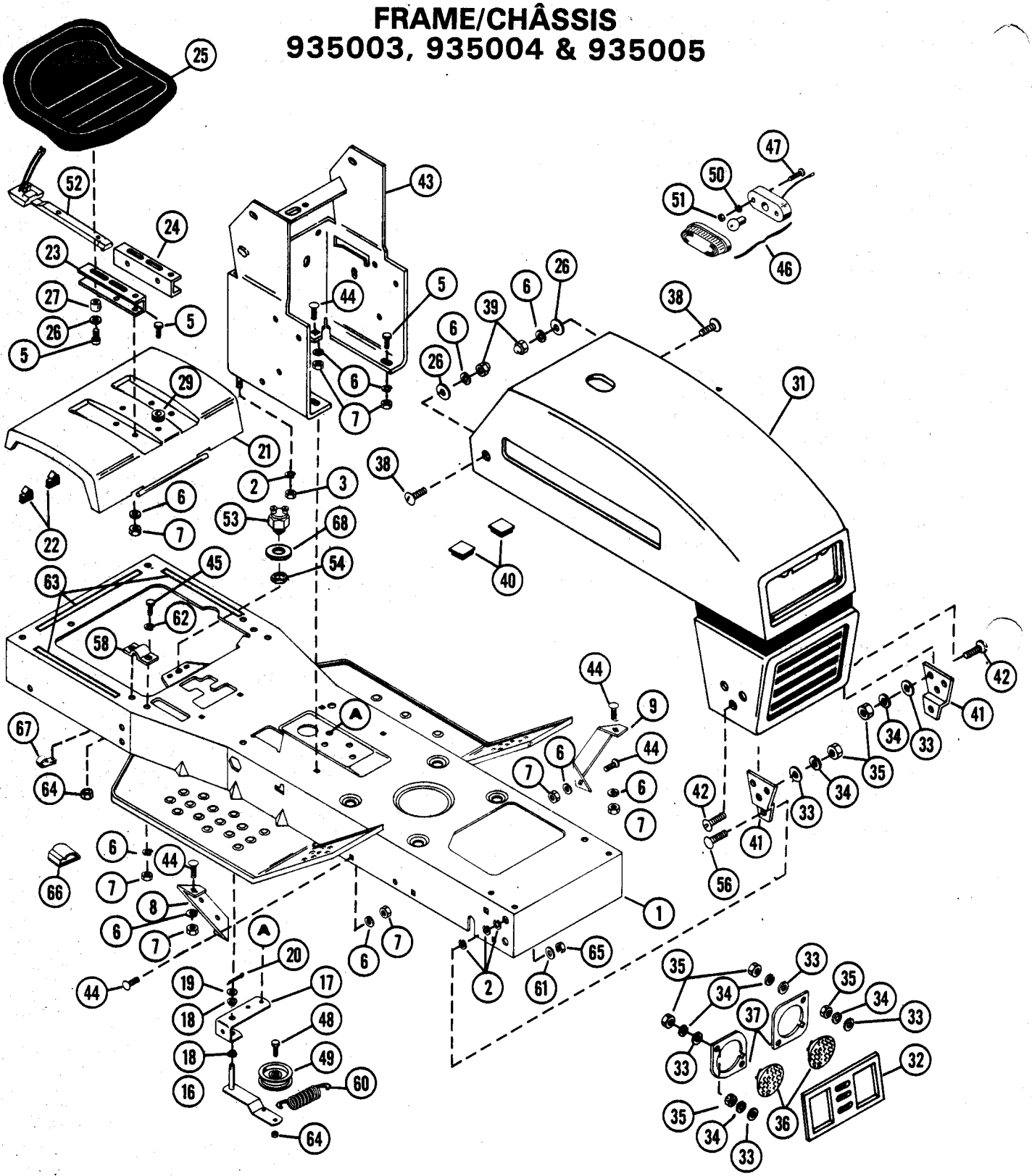
Inspect product for visible signs of wear, breakage or damage. Order any parts required and make necessary repairs to avoid delays when beginning use again. Your Ariens dealer will be able to assist you.

Clean the product thoroughly. Touch up all scratched and exposed areas with paint to avoid rust. Your Ariens dealer stocks the following aerosol paints:

Ariens Charcoal Brown	Part No. 64
Ariens Sunset Orange	Part No. 65
Ariens White	Part No. 66

NOTE: ARIENS RECOMMENDS USING A HIGH QUALITY PRIMER AS A BASE FOR THE TOUCH UP PAINT. THE TOUCH UP PAINT WILL NOT PROVIDE THE HIGH GLOSS FINISH OF ORIGINAL BAKED-ON PAINT. COLOR MAY VARY SLIGHTLY, ALSO.

FRAME/CHÂSSIS
935003, 935004 & 935005



FRAME/CHÂSSIS
935003, 935004 & 935005

NoDE REF. NO.	NO DE PIECE PART NO.	CODE D'INV STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
1	535028	0	Main Frame W/Decals	1
2	063004	M	Lockwasher, STO. 3/8"	8
3	065018	M	Nut, 3/8-16 UNC 2B	3
5	059135	M	Cap Screw, 5/16-18 x 3/4.	14
6	063003	M	Lockwasher, STO 5/16"	17
7	065015	M	Nut, 5/16-18	15
8	035006	0	Strut Right Foot Board	1
9	035007	0	Strut Left Foot Board	1
10	062011	M	Carriage Bolt, 5/16-18 x 5/8	4
16	035043	F	Idler Arm	1
17	035044	S	Idler Pivot	1
18	055036	F	Flange Bushing	2
19	064043	M	Washer, 3/8" STO x 13/16 x .065 PL	1
20	067004	M	Cotter Pin, 1/8 x 1	1
21	035038	0	Rear Deck	1
22	075054	M	Bumper	2
23	035039	S	Seat Channel R.H.	1
24	035040	S	Seat Channel L.H.	1
25	035041	M	Seat	1
26	064002	M	Washer, STO 5/16 x 7/8 x .083 PL	6
27	006071	M	Spacer Bushing	2
29	075026	M	Grommet	1
31	535026	S	Hood & Grill W/Decals, YT8	1
31	535027	S	Hood & Grill W/Decals, YT11	1
32	029206	S	Headlight Insert	1
33	064007	M	Washer, Std. 1/4 x 47/64 x .065 PL	14
34	063002	M	Lockwasher, STO 1/4"	14
35	065032	M	Nut, 1/4-20 UNC	14
36	031149	F	Headlight	2

NoDE REF. NO.	No DE PIECE PART NO.	CODE D'INV. STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
37	031159	S	Headlight Retainer Ring	2
38	061045	M	Machine Screw, 5/16-18 UNC x 1/2"	2
39	065095	M	Crown Nut, 5/16-18 UNC	2
40	075058	M	Stop	2
41	029122	M	Hood Hinge	2
42	061041	M	Machine Screw, 1/4-20 UNC x 5/8"	6
43	035050	0	Dash Base	1
44	062011	M	Carriage Bolt, 5/16-18 UNC x ¾ PL	8
45	059022	M	Cap Screw, 5/16-18 x ¾ GR 2 HHPL	4
46	631006	S	Tail Light Assembly, consists of:	1
			031375 Lens	1
			Bulb, STD GE No. 1895	1
47	061040	M	Machine Screw, 10-24 x ½ PL	2
48	059161	M	Cap Screw, 3/8-16 x 1½ GR 5	1
49	073111	F	Idler	1
50	063011	M	Lockwasher	2
51	065055	M	Nut	2
52	031716	F	Seat Switch	1
53	029131	F	Switch, Shift	1
54	065096	M	Nut	1
56	062013	M	Carriage Bolt, 3/8 x 16 x 1	2
58	029123	S	Brace	2
60	083058	M	Spring	1
61	064008	M	Washer, STO 3/8"	2
62	063032	M	Lockwasher, 5/16" Shake Proof	1
63	031904	M	Foam Tape, 31" Long	7
64	065098	M	Locknut	2
65	065039	M	Locknut, 2 Way 3/8-16 UNC	2
66	030055	M	Wire Slip	1
67	069110	M	Clip	1
68	064117	M	Shim Washer	1

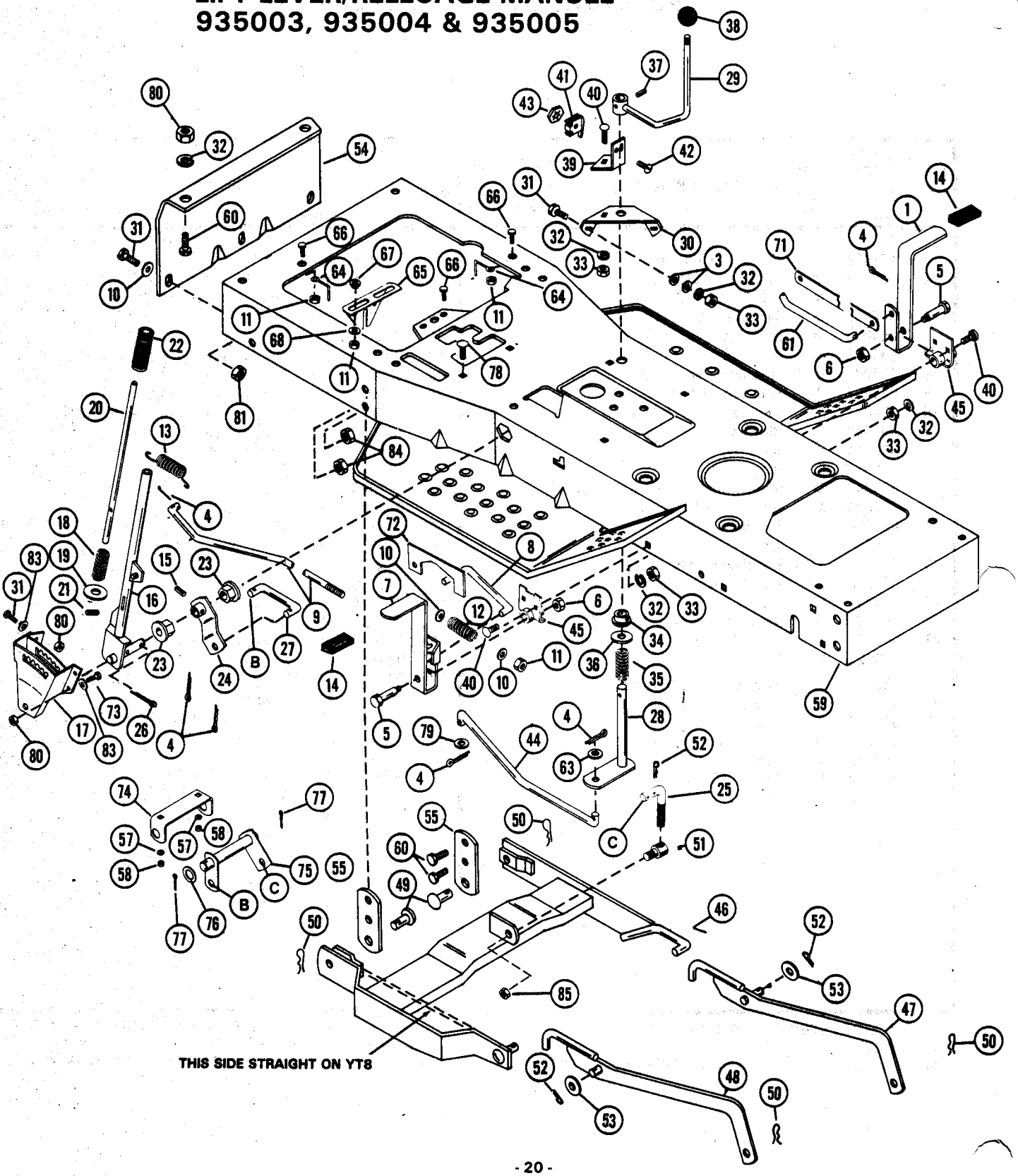
SUGGESTED PARTS STOCKING CODE

F – FAST
M – MEDIUM
S – SLOW
O – CUSTOMER ORDER ONLY

CODE SUGGÉRÉ D'INVENTAIRE DES PIÉCES

F – FAST (rapide)
M – MEDIUM (moyen)
S – SLOW (lent)
O – Commande du client seulement

LIFT LEVER/RELEUAGE MANUEL
935003, 935004 & 935005



LIFT LEVER/RELEUAGE MANUEL
935003, 935004 & 935005

NoDE REF. REF. NO	NoOE PIECE PART NO	CDDE D'INV STOCK CODE	DESCRIPTION	QUANTITE NO. REQ'D
1	035033	S	Clutch Pedal	1
2	065034	M	Locknut, 5/8-18 Centerlock	1
3	064043	M	Washer, SAE 3/8	4
4	067004	M	Cotter Pin, 1/8 x 1, PL	5
5	003016	M	Shoulder Bolt	2
6	065060	M	Locknut, 3/8-16 Centerlock	2
7	035035	S	Brake Pedal	1
8	035036	M	Parking Brake Rod	1
9	035037	M	Brake Rod	1
10	064002	M	Washer, STD 5/16	4
11	065042	M	Locknut, 5/16-18 2 way	3
12	083091	M	Brake Spring	1
13	083178	M	Extension Spring	1
14	075029	M	Pedal Cover	2
15	058040	M	Pin, Groove, ¼ x 1 - 1¼ E	1
16	035045	0	Lift Handle	1
17	035046	0	Lift Quadrant	1
18	083104	M	Spring	1
19	064096	M	Washer, 29/64 ID x ¾ x 16 GA	1
20	035047	0	Plunger Rod	1
21	058040	M	Roll Pin, ¼ x 1¾	2
22	075053	S	Grip	1
23	012128	M	Flange Bushing	2
24	035048	S	Lift Arm	1
25	035322	S	Adjustable Link	1
26	067021	M	Cotter Pin, 1/8 x 1½, PL	2
27	035049	S	Lift Link	1
28	035057	S	PTO Lever	1
29	035058	S	PTO Handle	1
30	035059	0	Bracket	1
31	059135	M	Cap Screw, 5/16-18 x ¾ GR 5	5
32	063003	M	Lockwasher, 5/16 SAE STD.	7
33	065015	M	Nut, 5/16-18	9
34	055037	F	Flange Bushing	1
35	083132	M	Compression Spring	1
36	064003	M	Washer, SAE ½ STD. x 1/16 x .096 PL	1
37	058003	M	Roll Pln, 3/16 x 1¼	1
38	075001	M	Shift Ball	1
39	035060	S	Switch Bracket	1
40	062011	M	Carriage Bolt, 5/16-18 x 3/4, PL	5
41	027078	F	Switch Interlock	1
42	061050	M	Machine Screw, 10-24 x 1" PL	1
43	065051	M	Keps Nut, 10-24	1
44	035061	S	Rod	1
45	035005	S	Pedal Pivot	2
46	035241	S	Rear Hanger, YT11	1
46	035223	S	Rear Hanger, YT8	1
47	035225	S	Front Hanger Arm - Right	1
48	035224	S	Front Hanger Arm - Left	1
49	031381	M	Clevis Pin	2
50	067029	M	Hair Pin, Internal .094	6
51	035321	S	Rod End	1
52	067010	M	Hair Pin, Internal	4
53	064003	M	Washer, .505 ID x .880 OD x .072	4
54	035023	0	Draw Bar	1
55	035024	0	Hanger Bracket	2
57	063004	M	Lockwasher, 3/8 SAE STD.	2
58	065018	M	Nut, 3/8-16	2
59	535028	0	Frame, w/Decals	1
60	059154	M	Cap Screw, 3/8-16 x 3/16 GR 5, HHPL	6
61	035034	S	Clutch Rod	1
63	064008	M	Washer, STD. 3/8	1
64	031755	F	Belt Finger	2
65	035026	M	Cam Actuator	1
66	059034	M	Cap Screw, 5/16-18 x 7/8 GR 2 HHPL	2
67	035027	M	Spacer	2
68	064007	M	Washer, STD. 1/4	2
71	035167	M	Link	1
72	035166	M	Cam	1
73	059128	M	Cap Screw, 5/16-18 x 1¼ GR 5	2
74	035008	0	Center Lift Bracket	1
75	035009	0	Center Lift Lever	1
76	064062	M	Washer, 49/64 ID x 1-1/8 x .062	1
77	067021	M	Cotter Pin, 1/8 x 1½	2
78	062010	M	Carriage Bolt, 3/8-16 x 3/4	2
79	064008	M	Washer, 3/8 STD x 1 x .083 PL	1
80	065124	M	Locknut, 5/16-18 GR C	5
81	065017	M	Jam Nut, 1/2-13	4
82	035206	M	Rod	2
83	064007	M	Washer, 1/4 Std.	3
84	065122	M	Locknut, 3/8-16	4
85	065046	M	Locknut, ½-13	1

SUGGESTED PARTS STOCKING CODE

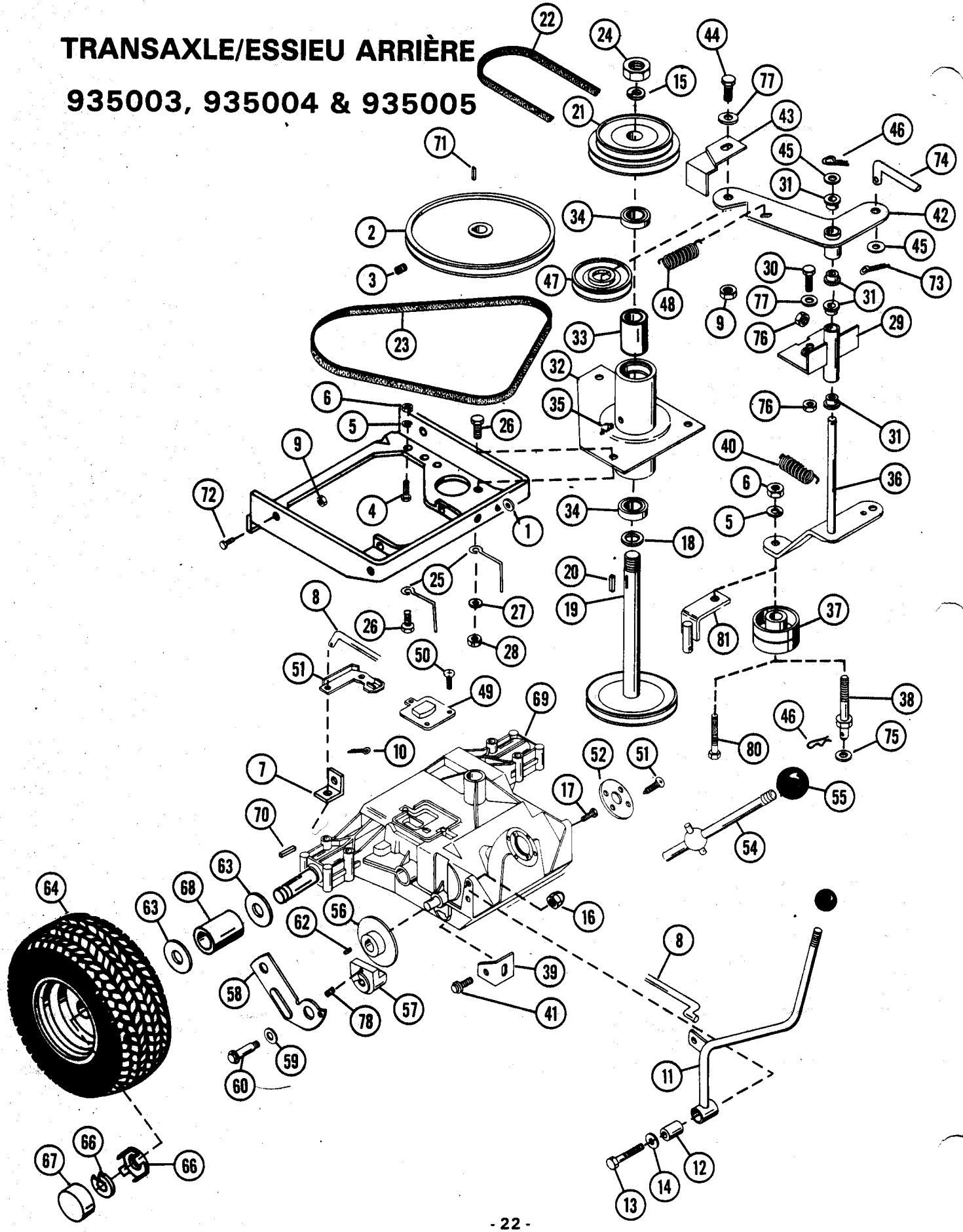
F – FAST
M – MEDIUM
S – SLOW
0 – CUSTOMER ORDER ONLY

CODE SUGGERE D'INVENTAIRE DES PIECES

F – FAST (rapide)
M – MEDIUM (moyen)
S – SLOW (lent)
0 – Commande du client seulement

TRANSAXLE/ESSIEU ARRIÈRE

935003, 935004 & 935005



TRANSAXLE/ESSIEU ARRIÈRE
935003, 935004 & 935005

NoDE REF. NO.	NO DE PIECÉ PART NO.	CODE D'INV STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
1	035010	O	Transaxle Mount	1
2	073105	M	Transaxle Sheave	1
3	060014	M	Setscrew	2
4	059160	M	Cap Screw, 3/8-16 x 2¾ GR 5	4
5	063004	M	Lockwasher, STD 3/8"	10
6	065018	M	Nut, 3/8" x 16 UNC	10
7	024331	M	Tab	1
8	035011	S	Selector Rod	1
9	065122	M	Locknut	8
10	067001	M	Cotter Pin	1
11	035012	M	Range Selector Lever	1
12	013166	M	Spacer	1
13	059162	M	Cap Screw, ¼-20 x 2 GR 5	1
14	064007	M	Washer, STD ¼"	1
15	063027	M	Lockwasher, Internal ¾"	1
16	065070	M	Crown Locknut GR C	2
17	059083	M	Cap Screw, ¼-20 x 2 GR 5	1
18	064088	M	Washer, .754 ID x 1¼ OD x 1/8"	2
19	035015	M	Jackshaft Spindle	1
20	066013	M	Key, Straight SAE 1035	1
21	035016	M	Double Sheave (PTO)	1
22	072116	F	Main Drive Belt	1
23	072117	F	Traction Belt	1
24	065025	M	Jam Locknut 3/4-10	1
25	031755	F	Belt Finger	4
26	059181	M	Cap Screw, 3/8-16 x 1 GR 5 HHPL	3
27	063004	M	Lockwasher	2
28	065024	M	Nut	2
29	035017	S	Idler Pivot	1
30	059135	M	Cap Screw, 5/16-18 x ¾	4
31	055036	F	Flange Bushing	4
32	035013	O	Spindle Housing	1
33	035014	S	Spacer	1
34	054120	F	Bearing	2
35	022093	F	Zerk Fitting	1
36	035018	S	Idler Arm	1
37	073108	F	Attachment Idler	1
38	035019	S	Idler Mtg. Bolt (YT 11 only)	1
39	035020	S	Spring Anchor	1
40	083068	F	Drive Spring	1
41	070009	M	Flg. Whizlock Screw, 5/16-18 x ½"	1
42	035021	S	Idler Arm	1
43	035022	S	Belt Retainer	1
44	059027	M	Cap Screw, 3/8-16 x 1¾	1
45	064052	M	Washer, .380/.385 x 13/16 x .246 PL	2
46	067020	M	Hair Pin, Internal 3/32 x 1-3/16	2
47	073109	F	Main Idler	1
48	083117	M	Extension Spring	1
49	035163	O	Plate	1
50	061043	M	Machine Screw, 8-32 x ½	3
51	061040	M	Machine Screw, 10-24 x ½	4
52	035164	O	Cover	1
53	035161	M	Hi-Lo Shift Lever	1
54	535007	M	Shift Lever Assembly	1
55	075001	M	Knob	1
56	035153	M	Disc Brake	1
57	535004	M	Brake Jaw Assembly	1
58	535005	M	Lever, Actuating Assembly	1
59	535009	M	Shim Kit	1
60	035157	S	Shoulder Bolt	1
61	035249	F	Puck, Friction	2
62	066014	M	Key, Woodruff No. 61	1
63	064048	M	Washer, .755 ID x 1.375 OD x .062	4
64	635007	S	Tire & Wheel Assembly	2
			Consists Of:	
	071018	S	Tire	
	071130	S	Rim	
	071088	O	Tube Available	
65	035169	S	Spindle Cup	2
66	057074	M	"E" Ring	2
67	003377	M	Hub Cap	2
68	035068	S	Spacer	2
69	635012	O	Transaxle	1
70	066019	M	Key, Straight 3/16 x 3/16 x 2	2
71	066003	M	Key, 3/16 x 3/16 x 2	1
72	059145	M	Cap Screw, 3/8-16 x 1 GR 5	4
73	067004	M	Cotter Pin, 1/8 x 1	1
74	035034	S	Clutch Rod	1
75	064093	M	Washer, .385 ID x 13/16 OD x .062	1
76	065124	M	Locknut, 5/16-18 GR C	5
77	064002	M	Washer, STD 5/16"	3
78	060035	M	Setscrew, NO. 8-32	1
80	059027	M	Cap Screw, 3/8-16 x 1¾, Gr 2, HHPL,(YT8 only)	1
81	035261	S	Bracket,(YT 8 only)	1

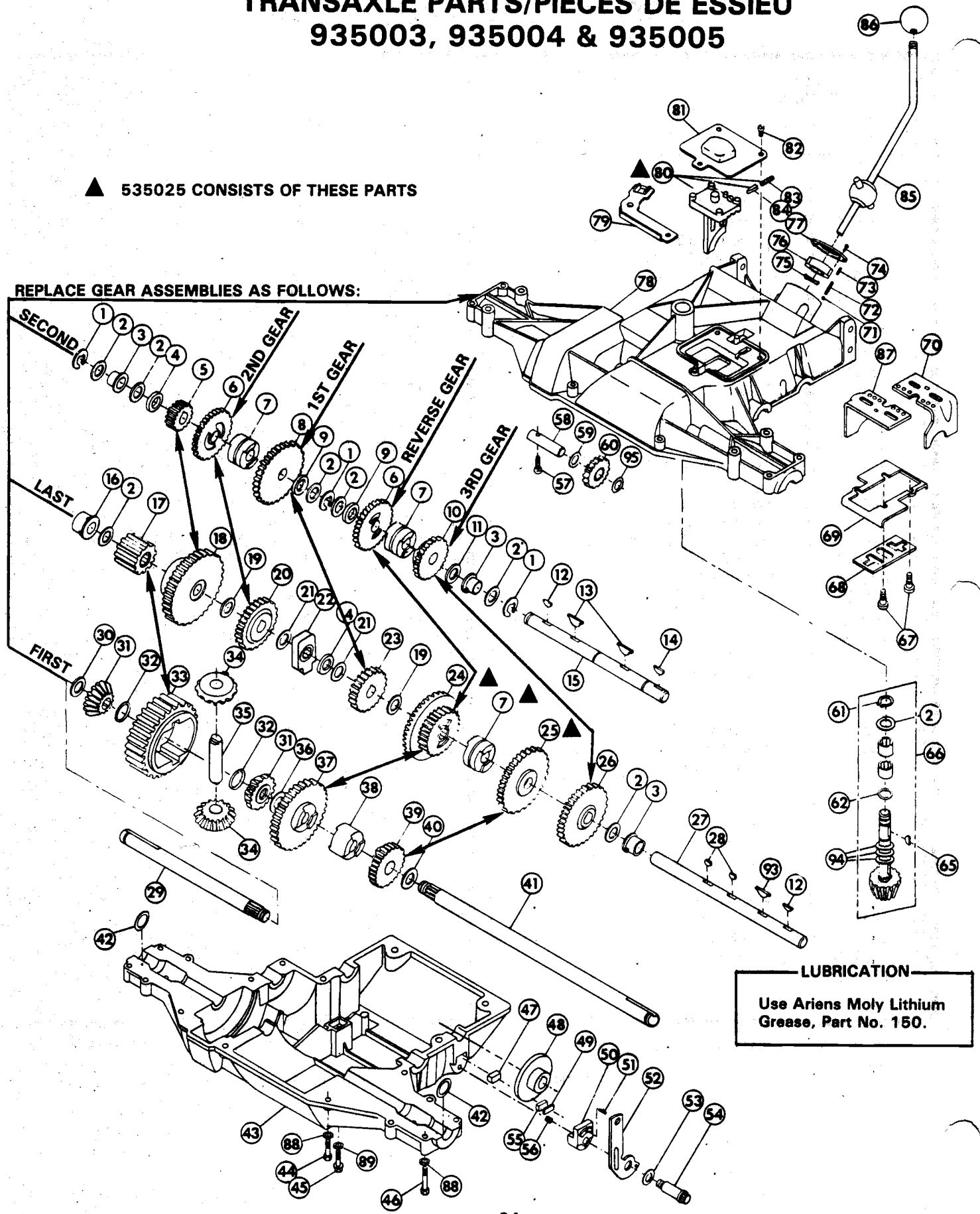
SUGGESTED PARTS STOCKING CODE

F – FAST
M – MEDIUM
S – SLOW
O – CUSTOMER ORDER ONLY

CODE SUGGÉRÉ D'INVENTAIRE DES PIÉCES

F – FAST (rapide)
M – MEDIUM (moyen)
S – SLOW (lent)
O – Commande du client seulement

TRANSAXLE PARTS/PIÈCES DE ESSIEU
935003, 935004 & 935005



TRANSAXLE PARTS/PIÈCES DE ESSIEU
935003, 935004 & 935005

NoDE REF. NO.	NO DE PIECE PART NO.	CODE D'INV STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
1	057083	M	Snap Ring	3
2	535011	M	Shim Kit (Washers)	AR
3	035121	M	Flange Bushing	3
4	035122	M	Spacer	2
5	035123	S	Spur Gear 13T	1
6	035124	S	Spur Gear 25T	2
7	035125	M	Clutch Collar	3
8	035126	M	Spur Gear 30T	1
9	035127	M	Spacer	2
10	035128	M	Spur Gear 20T	1
11	035120	M	Washer .020	1
12	066006	M	Woodruff Key	2
13	066041	M	Hi-Pro Key	2
14	066014	M	Woodruff Key	1
15	035129	S	Intermediate Shaft	1
16	035130	M	Flange Bearing	1
17	535001	M	Gear Assembly 12T	1
18	035132	S	Spur Gear 37T	1
19	035115	M	Washer .045	4
20	035134	S	Spur Gear 25T	1
21	035254	M	Washer .025	2
22	535002	S	Shaft Support Assembly	1
23	035136	S	Spur Gear 20T	1
24	535003	M	Bevel Gear Assembly	1
25	035138	M	Spur Gear 33T	1
26	035139	S	Spur Gear 30T	1
27	035140	S	Drive Shaft	1
28	066039	M	Woodruff Key	2
29	035141	M	L.H. Axle	1
30	535010	M	Shim Kit	AR
31	035142	M	Splined Miter Gear 15T	2
32	057087	M	Snap Ring	2
33	035143	M	Spur Gear 32T	1
34	035144	M	Miter Gear 15T	2
35	035145	M	Cross Shaft	1
36	064134	M	Washer .031	1
37	035146	S	Spur Gear 35T	1
38	035147	S	Gear Lock	1
39	035148	S	Spur Gear 22T	1
40	064158	M	Washer .062	1
41	035149	M	R.H. Axle	1
42	056103	F	Felt Seal	2
43	035151	O	Lower Housing	1
44	059132	M	Cap Screw	8
45	061056	M	Machine Screw	1
46	059050	M	Cap Screw	6
47	035253	M	Friction Puck (Inner)	1
48	035153	M	Brake Disc	1
49	035256	M	Brake Pad	1
50	535004	M	Brake Jaw Assembly	1

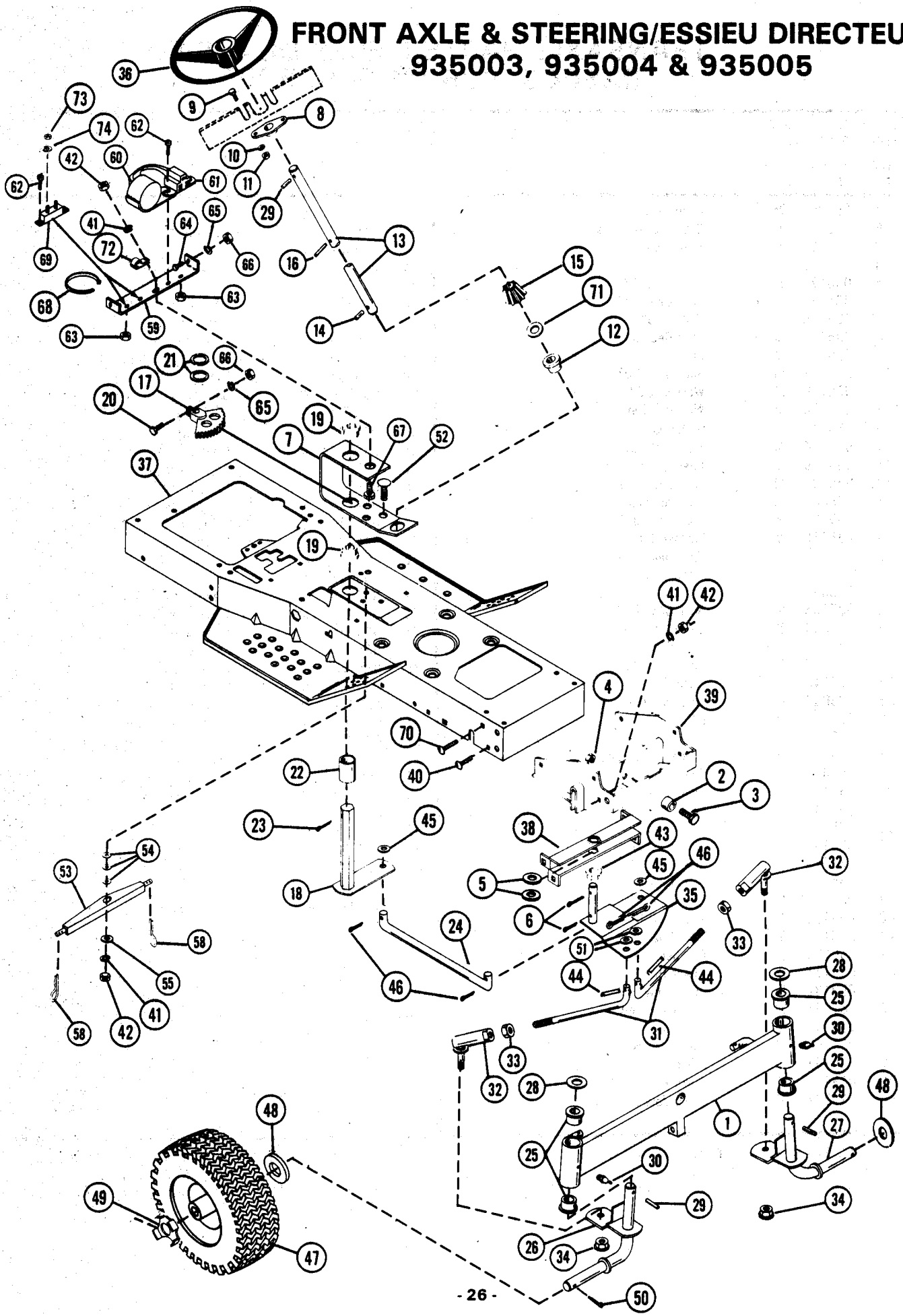
NoDE REF. NO.	No DE PIECE PART NO.	CODE D'INV. STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
51	060035	M	Setscrew	1
52	535005	M	Actuator Lever Assembly	1
53	535009	M	Shim Kit	1
54	035157	M	Shoulder Bolt	1
55	035249	M	Friction Puck (Outer)	1
56	083180	M	Compression Spring	1
57	061035	M	Machine Screw	1
58	035158	S	Idler Shaft	1
59	064178	M	Washer .020 thick	1
60	535006	S	Idler Gear Assembly	1
61	057084	M	Snap Ring	1
62	056104	M	"O" Ring	1
65	066003	M	Woodruff Key	1
66	535008	M	Input Shaft Assembly	1
67	059015	M	Cap Screw	4
68	035137	S	Lockout Plate	1
69	035154	S	Fork Support Plate	1
70	035156	S	Shifter Fork	1
71	035135	M	Detent Ball	2
72	083182	M	Detent Spring	2
73	060008	M	Setscrew	2
74	061040	M	Machine Screw	4
75	035150	M	Wave Washer	1
76	035155	M	Nylon Insert	1
77	035164	S	Nylon Cover	1
78	035160	O	Upper Housing	1
79	035161	M	Hi-Lo Shift Lever	1
80	535024	M	Hi-Lo Shifter Fork Assembly	1
81	035163	S	Hi-Lo Cover Plate	1
82	061043	M	Hex Head Machine Screw	3
83	083181	M	Detent Spring	1
84	035165	M	Detent Pin	1
85	535007	M	Shift Lever Assembly	1
86	075001	M	Shift Knob	1
87	035159	S	Shifter Fork	1
88	063002	M	Washer	14
89	063024	M	Washer	1
93	066038	M	Hi Pro Key	1
94	535011	M	Shim Package	1
95	035257	M	Washer .030 Thick	AR
95	064178	M	Washer .020 Thick	AR

NOTE: USE ARIENS MOLY LITHIUM GREASE, PART NO. 150.

SUGGESTED PARTS STOCKING CODE
F – FAST
M – MEDIUM
S – SLOW
O – CUSTOMER ORDER ONLY

CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES
F – FAST (rapide)
M – MEDIUM (moyen)
S – SLOW (lent)
O – Commande du client seulement

FRONT AXLE & STEERING/ESSIEU DIRECTEUR
935003, 935004 & 935005



FRONT AXLE & STEERING/ESSIEU DIRECTEUR
935003, 935004 & 935005

NoDE REF. NO.	NO DE PIECE PART NO.	CODE D'INV STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
1	535029	0	Front Axle Ass'y	1
2	035032	S	Spacer	1
3	059146	M	Cap Screw, ½-13 x 1¼ GR 5	1
4	065127	M	Locknut, ½-13 GR C	1
5	064004	M	Washer, 21/32 ID x 1-5/16 x 3/32	2
6	067014	M	Cotter Pin, 1/8 x 1¼	2
7	035078	0	Steering Bracket	1
8	054025	M	Flange Bearing	1
9	059135	M	Cap Screw, 5/16-18 x ¾	2
10	063003	M	Lockwasher, 5/16" SAE STD	2
11	065015	M	Nut, 5/16-18 UNC	2
12	055080	M	Flange Bushing	1
13	035053	M	Steering Column	1
14	029133	M	Needle Roller	1
15	029019	M	Pinion Gear, Steering	1
16	058003	M	Roll Pin, 3/16-1¼	1
17	029021	M	Steering Bevel Gear	1
18	035054	S	Arm & Shaft	1
19	055083	M	Sleeve Bushing	2
20	059073	M	Cap Screw, 5/16-18 x 1¾ GR 2 HHPL	2
21	064111	M	Washer, STD 5/8"	3
22	035055	M	Spacer	1
23	067006	M	Cotter Pin, 3/16 x 1¼	1
24	035215	M	Steering Link	1
25	055102	F	Flange Bushing	4
26	035212	S	R.H. Spindle	1
27	035213	S	L.H. Spindle	1
28	064017	M	Washer, .765 ID x 1-3/8 OD x 3/32	2
29	058007	M	Roll Pin, 1/4 x 1-1/4	3
30	022093	F	Spin Drive Zerk Fitting	2
31	035031	M	Drag Link	2
32	031129	M	Ball Joint	2
33	065044	M	Jam Nut, 1/2-20	2
34	065121	M	Locknut, 1/2-20 Nylon Insert	2
35	035025	S	Steering Pivot	1
36	013155	M	Steering Wheel	1
37	535028	0	Frame W/Decals	1
38	035003	0	Steering Pivot Channel	1
39	035210	0	Front Axle Support	1
40	062010	M	Carriage Bolt, 3/8-16 x 3/4	6
41	063004	M	Lockwasher, 3/8 SAE STD.	11
42	065018	M	Nut, 3/8-16	11
43	012129	M	Flange Bushing	2
44	058009	M	Roll Pin, 1/8 x 1	2
45	064003	M	Washer, 17/32 ID x 1-1/16 OD x 3/32	2
46	067004	M	Cotter Pin, 1/8 x 1" PL	6
47	635006	S	Tire & Wheel Ass'y Consists of:	2
			71028 Tire	
			71129 Rim	
			54089 Bearings	
48	064017	M	Washer, .755 ID x 1.375 OD x .062	2
49	035169	M	Spindle Cup	2
50	067027	M	Cotter Pin, Tee Hd. 1/4 x 1½	2
51	064180	M	Washer, .531 ID x .827 OD x .062	2
52	062016	M	Carriage Bolt, 3/8-16 x 1¼"	3
53	035168	S	Pivot Arm	1
54	064078	M	Washer, .626 ID x 3.85 OD x 21 Ga	3
55	064043	M	Washer, 13/32 ID x 13/16 OD x 1/16	1
58	067020	M	Hair Pin, Internal 3/32 x 1-3/16 Pl	4
59	035051	S	Brace	1
60	035052	F	Module, YT11	1
60	035214	F	Module, YT8	1
61	025203	S	Connector	1
62	061017	M	Machine Screw, 10-24 x 5/8 PL	4
63	065051	M	Nut, Keps 10-24	4
64	059135	M	Cap Screw, 5/16-18 x 3/4, GR 5	6
65	063003	M	Lockwasher, 5/16" SAE STD	6
66	065015	M	Nut, 5/16-18	2
67	059004	M	Cap Screw, 3/8-16 x 1	1
68	069053	M	Tie Down	1
69	031108	M	Circuit Breaker	1
70	062013	M	Carriage Bolt, 3/8-16 x 1	2
71	064062	M	Washer, .750 x .781 x 1.125 x .062	1
72	069110	M	Clip	1
73	065026	M	Nut	2
74	063011	M	Lockwasher	2

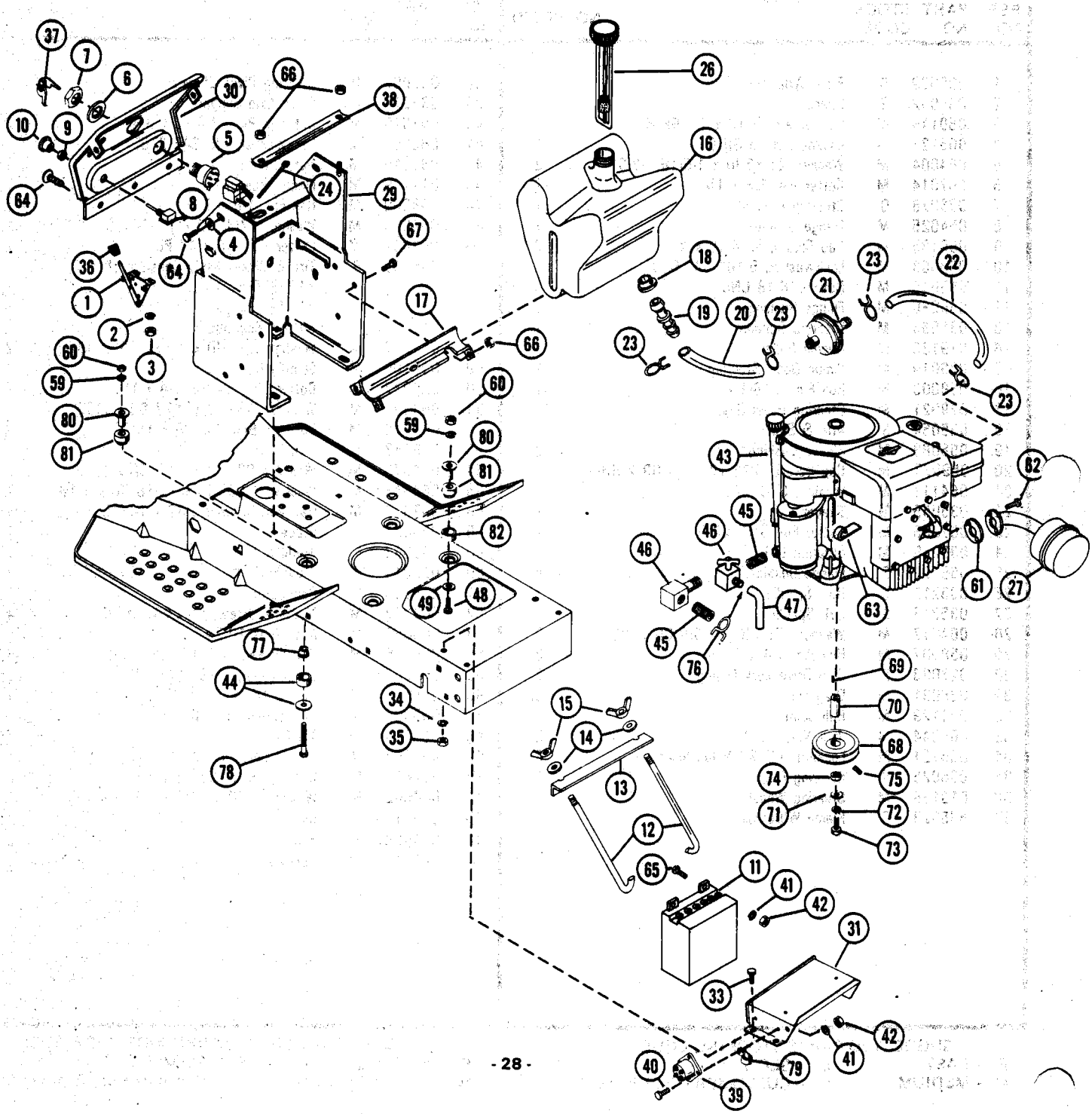
SUGGESTED PARTS STOCKING CODE

F – FAST
S – SLOW
M – MEDIUM
O – CUSTOMER ORDER ONLY

CODE SUGGÉRÉ D'INVENTAIRE DES PIÉCES

F – FAST (rapide)
S – SLOW (lent)
M – MEDIUM (moyen)
O – Commande du client seulement

FUEL LINES/TUYAUTERIE DE CARBURANT
935003, 935004 & 935005



FUEL LINES/TUYAUTERIE DE CARBURANT
935003, 935004 & 935005

NoDE REF. NO.	NO DE PIECE PART NO.	CODE D'INV STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
1	069126	F	Throttle Control	1
2	063011	M	Lockwasher	2
3	065055	M	Nut, 10-24 UNC.	2
4	064001	M	Washer, STD. 3/16 x 9/16 x .049 PL	2
5	029149	F	Ignition Switch	1
6	063029	M	Lockwasher	1
7	065106	M	Nut, 9/16-24 UNEF	1
8	031151	F	Light Switch	1
9	065104	M	Nut, ½-20 UNF	1
10	075068	M	Knob	1
11	029175	M	Battery	1
12	035070	S	Hook Bolt	2
13	013044	O	Battery Hold Down	1
14	064007	M	Washer, STD. - ¼	2
15	065012	M	Wing Nut, ¼-20 UNC.	2
16	035071	S	Fuel Tank	1
17	035072	M	Lower Tank Support	1
18	075093	M	Fuel Tank Grommet	1
19	035073	M	Gas Line Fitting	1
20	030020	M	Hose	1
21	029108	F	Fuel Filter	1
22	030020	M	Hose	1
23	029172	M	Hose Clamp	4
24	069053	M	Tie Down	1
25	031111	M	Cable, YT11	1
26	035076	M	Fuel Gauge	1
27	035112	M	Exhaust Muffler, YT11	1
27	**	M	Exhaust Muffler, YT8	1
28	535016	O	Dash Base W/Decals	1
30	029117	O	Dash (use w/Dash Decal 078547)	1
31	035004	O	Battery Stand	1
32	535028	O	Frame W/Decals	1
33	059039	M	Cap Screw, 5/16-18 x 3/4 GR 5	4
34	063003	M	Lockwasher	4
35	065015	M	Nut, 5/16-18	4
36	075019	M	Knob	1
37	013157	F	Keys	1
38	035074	M	Clamp Strap	1
39	031720	M	Solenoid	1
40	059028	M	Cap Screw, ¼-20 x ½, GR 2 HHPL	2
41	063002	M	Lockwasher, SAE STD ¼	6
42	065032	M	Nut, ¼-20	6
43	* 082133	O	11 HP Briggs Model 252707 - 0186-01, YT11	1
43	* 082153	O	8 HP VM80-150 137G Tecumseh YT8	1
44	035310	S	Isolation Mount, YT8	2
45	035077	M	Bushing, YT11	1
46	035105	F	Drain Lock, YT11	1
46	035242	M	Drain Elbow, YT8	1
47	030020	F	Hose, YT11	1
48	059170	M	Cap Screw, 5/16-18 x 2 Gr 5, YT11	4
48	059131	M	Cap Screw, 5/16-18 x 2½ Gr 2 HHPL, YT8	4
49	064099	M	Washer, 5/16 ID x 1-5/8 OD x .135	4
59	063003	M	Lockwasher, SAE STD 5/16	4
60	065015	M	Nut, 5/16-18 GR C	4
61	035063	F	Gasket YT11	4
62	059090	M	Cap Screw, 5/16-18 x ¾ Oil Hardened YT11	2
63	069094	M	Clamp	1
64	074043	M	Tapping Screw, 10-16 x ½	5
65	059001	M	Cap Screw, ¼-20 x ¾	2
66	065070	M	Locknut, ¼-20	2
67	059028	M	Cap Screw, ¼-20 x 1½ GR 2 HHPL	4
68	073112	M	Sheave, Engine	1
69	066022	M	Key, Straight ¼ x ¼ x 1	1
70	031881	S	Bearing Spacer	1
71	064157	M	Washer, .469 ID x 1.38 OD x .125	1
72	063005	M	Lockwasher, SAE STD 7/16	1
73	059153	M	Cap Screw, 7/16 - 20 x 1	1
74	035069	S	Spacer	1
75	060006	M	Setscrew, 5/16-18 UNC - 3A x ¼	2
76	030199	M	Hose Clamp, YT11	1
77	035216	S	Bushing, YT8	2
78	059137	M	Capscrew	2
79	069110	M	Clip	1
80	035309	S	Spacer Tube, YT 8	4
81	035311	S	Isolation Mount, YT 8	4
82	035062	S	Engine Spacer, YT 11	4

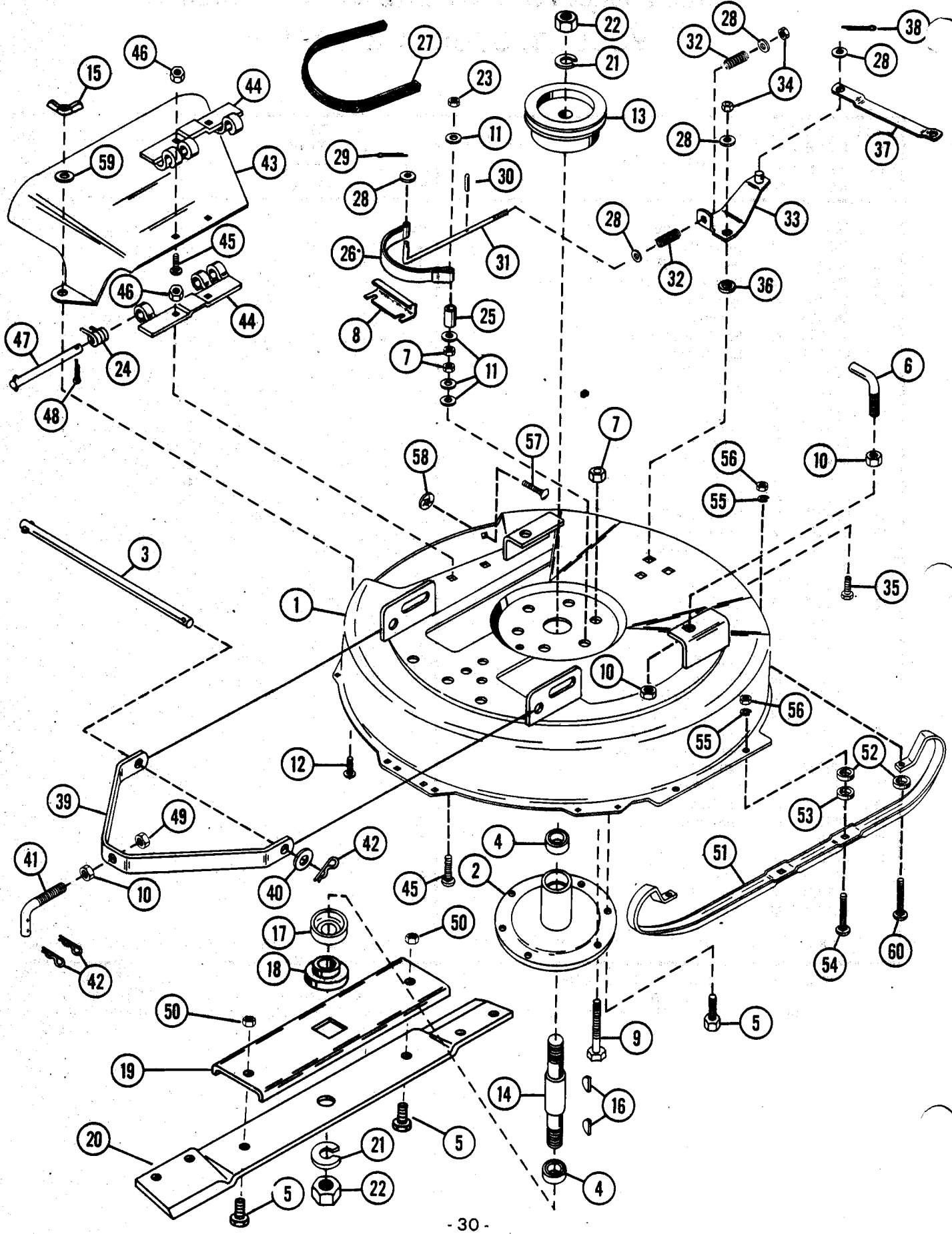
**Tecumseh No. 1A120-165 available from Tecumseh Dealers only.

*Engines Are Available From Engine Manufacturers Dealers Only.

SUGGESTED PARTS STOCKING CODE
F – FAST
S – SLOW
M – MEDIUM
O – CUSTOMER ORDER ONLY

CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES
F – FAST (rapide)
S – SLOW (lent)
M – MEDIUM (moyen)
O – Commande du client seulement

32" MOWER/TONDEUSE 32
935004 & 935005



32" MOWER/TONDEUSE 32
935004 & 935005

NoOE REF. REF. NO	NoOE PIECE PART NO	COOE O'INV STOCK COOE	DESCRIPTION	QUANTITE NO. REQ'O
1	535039	0	MOWER PAN SERVICE ASSEMBLY*	1
2	003172	S	SPINOLE HOUSING	1
3	035262	M	TOW PIN	1
4	054120	M	RAOIAL BEARING	2
5	059154	M	CAPSCREW 3/8-16 X 1 Gr.5 HHPL	7
6	035100	M	HANGER HOOK	2
7	065039	M	NUT	7
8	035227	S	BRAKE BANO SUPPORT	1
9	059196	M	CAPSCREW 3/8-16 X 3 Gr.5 HHPL	1
10	065017	M	JAM NUT	6
11	064043	M	WASHER, 3/8 STO X 13/16 X .065 PL	4
12	062015	M	CARRIAGE BOLT, 5/16-18 x 1	1
13	035228	S	SHEAVE	1
14	035267	S	MOWER SPINOLE	1
15	065064	M	WING NUT	1
16	066003	M	KEY, Woodruff SAE 9 3/16 X ¾	2
17	003419	M	BEARING SLINGER	1
18	003169	S	RETAINER HUB	1
19	027284	S	BLAOE TRAY	1
20	027286	F	MOWER BLAOE	1
21	063008	M	LOCK WASHER	2
22	065025	M	JAM NUT	2
23	065135	M	LOCK NUT	1
24	083145	M	SPRING, Torsion	1
25	035231	M	SPACER	1
26	035232	F	BRAKEBANO	1
27	072123	F	BELT	1
28	064057	M	WASHER, .312/.343 X .625 X .062PL	4
29	067003	M	COTTER PIN 1/16 X ½	2
30	058009	M	ROLL PIN 1/8 X 1	1
31	035233	M	BRAKE ROO	1
32	083009	M	SPRING	2
33	035234	S	BRAKE ACTUATOR	1
34	065042	M	LOCK NUT	2
35	059135	M	CAPSCREW, 5/16-18 X ¾ Gr.5 HHPL	1
36	035027	M	SPACER	1
37	035235	S	STRAP	1
38	067004	M	COTTER PIN, 1/8 X 1 PL	1
39	035236	S	MOWER STRAP	1
40	064056	M	WASHER, .500/.510 X .880 X .072 PL	2
41	035237	M	HOOK	1
42	067029	M	HAIR PIN INT 3/32 X 1-7/8 PL	3
43	535032	S	CHUTE OEFLECTOR	1
44	027095	S	HINGE PLATE	2
45	062017	M	CARRIAGE BOLT ¼ 20 X 5/8 PL	4
46	065040	M	LOCK NUT	4
47	025205	M	CLEVIS PIN	1
48	067001	M	COTTER PIN 3/32 X ¾ PL	1
49	065046	M	LOCKNUT, ½-13	1
50	065122	M	LOCKNUT, 3/8-16, Gr.C	2
51	035332	S	RUNNER, Adjustable, 32"	2
52	027294	M	SPACER	8
53	006071	M	SPACER	4
54	062018	M	CARRIAGE BOLT, 5/16-18 x 1¾	4
55	063003	M	LOCKWASHER	8
56	065015	M	NUT	8
57	062033	M	CARRIAGE BOLT	2
58	065149	M	PUSHNUT, 5/16"	2
59	064090	M	WASHER	1
60	062048		CARRIAGE BOLT, 5/8-18 x 1¼	4

SUGGESTEO PARTS STOCKING COOE

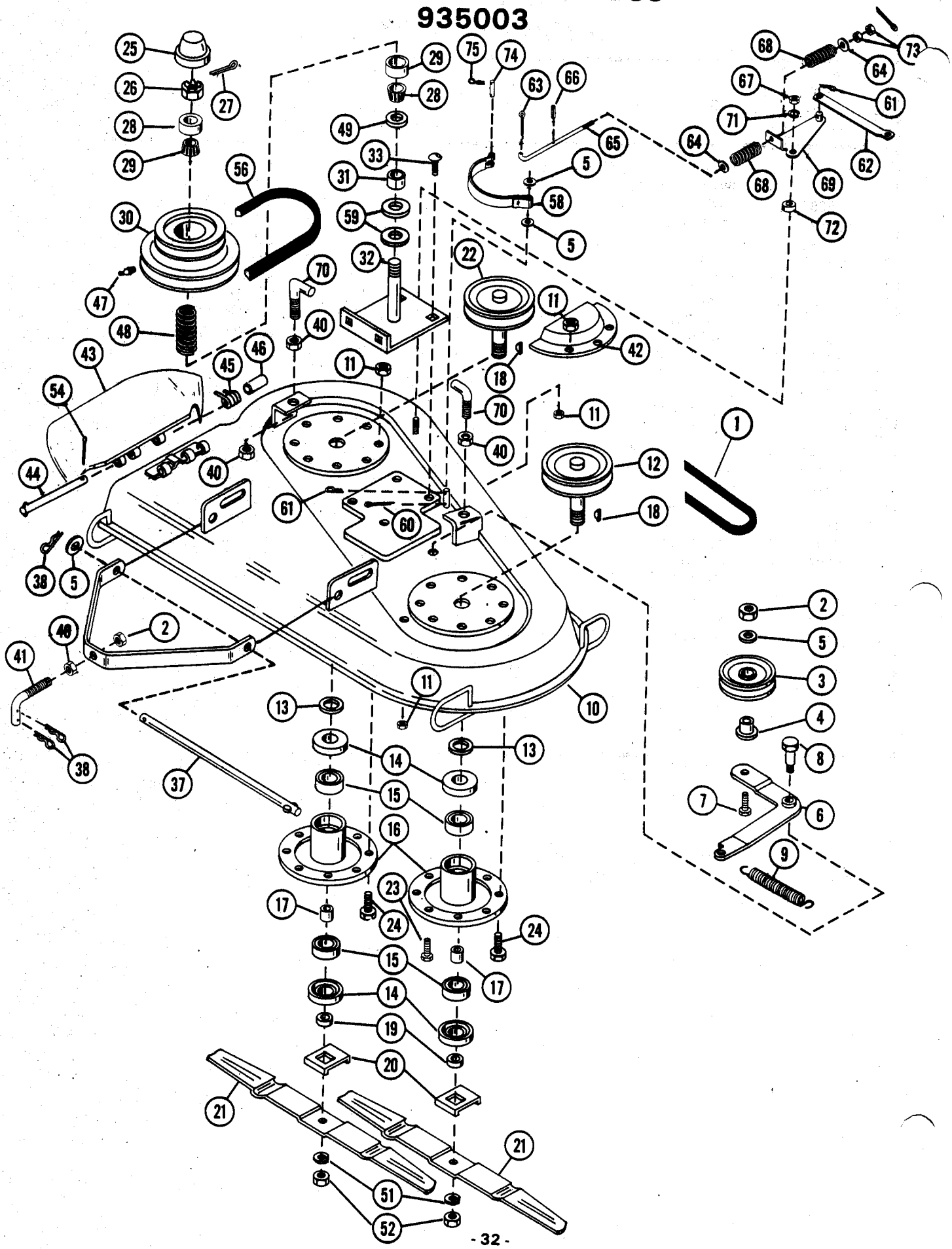
F – FAST
M – MEOIUM
S – SLOW
0 – CUSTOMER OROER ONLY

COOE SUGGERE O'INVENTAIRE OES PIECES

F – FAST (rapide)
M – MEOIUM (moyen)
S – SLOW (lent)
0 – Commande du client seulement

*535039 MOWER PAN SERVICE ASSEMBLY INCLUOES: (035334) MOWER PAN, ITEMS 12, 15, 24, 43 THROUGH 48, 51 THROUGH 59, AS WELL AS ALL PAN OECALS.

38" MOWER/TONDEUSE 38
935003



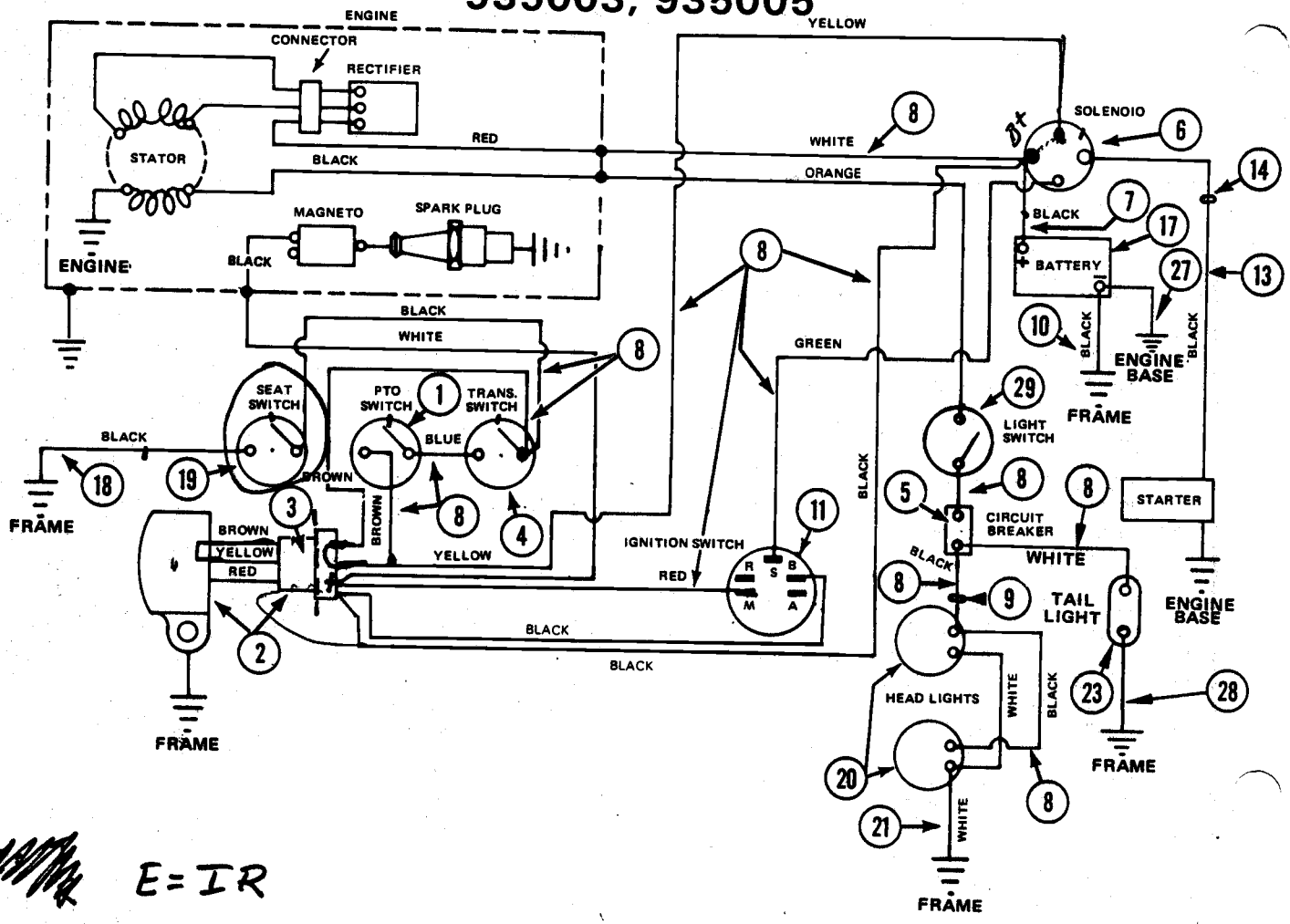
38" MOWER/TONDEUSE 38
935003

NoDE REF. NO.	NO DE PIECE PART NO.	CODE D'INV STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
1	072038	F	Belt	1
2	065046	M	Locknut, 1/2-13	2
3	073086	S	Idler Pulley	1
4	055021	M	Flange Bushing	1
5	064056	M	Washer, .505 ID x .880 OD x .072	4
6	025272	S	Idler Arm	1
7	059042	M	Cap Screw, 1/2-13 x 1-1/4	1
8	003028	M	Shoulder Bolt	1
9	083068	F	Spring	1
10	535026	O	Pan (Includes Decals)	1
11	065039	M	Locknut, 3/8-16	16
12	025266	S	Sheave, 4"	1
13	064088	M	Washer, .750 x .758 x 1½ x 1.25	1
14	003419	S	Bearing Slinger	4
15	054120	M	Radial Bearing	4
16	013364	S	Spindle Housing	2
17	025264	S	Spacer	2
18	066003	S	Key, No. 9 Woodruff, 3/16 x 3/4	2
19	003169	S	Retainer Hub	2
20	003170	S	Blade Tray	2
21	013350	F	Mower Blade	2
22	025265	S	Sheave, 3¾"	1
23	059004	M	Cap Screw, 3/8-16 x 1	3
24	059023	M	Cap Screw, 3/8-16 x 3/4	9
25	013366	M	Cap	2
26	065058	S	Slotted Jam Nut	2
27	067014	M	Cotter Pin, 1/8 x 1¼	2
28	054045	M	Bearing Cone	4
29	054044	M	Bearing Cup	4
30	035102	O	Sheave, (Includes Zerk)	1
31	025281	S	Spacer	1
32	025267	S	Drive Plate	1
33	062010	M	Carriage Bolt, 3/8-16 x 3/4	4
34	064093	M	Washer, .380/.385 x 13/16 x .062 PL	1
35	025271	S	Engagement Bracket	1
36	062029	M	Carriage Bolt, 3/8-16 x 1 PL	1
37	035262	M	Tow Pin	1
38	067029	M	Hair Pin, 3/32 x 1-7/8 PL	3
39	035236	S	Mower Strap	1
40	065017	M	Jam Nut	6
41	035237	M	Tow Hook	1
42	025274	S	Cover	1
43	025398	S	Chute Deflector	1
44	025205	S	Hinge Pin	1
45	083145	S	Spring, Torsion	1
46	022029	S	Bushing	1
47	022093	M	Zerk Fitting	1
48	083054	S	Spring, Compression	2
49	056060	M	Seal	2
51	063008	M	Lockwasher, SAE 3/4	2
52	065025	M	Jam Nut	2
54	067001	F	Cotter Pin, 3/32 x 3/4	1
56	072118	F	Mower Belt	1
58	035245	O	Brake Band	1
59	064048	M	Washer, .750/.760 x 1.375 x .062 PL	2
60	067002	M	Cotter Pin, 3/32 x 1	1
61	067010	M	Hair Pin, Internal, 3/32 x 1-27/64	2
62	035248	O	Link	1
63	067003	M	Cotter Pin, 1/16 x 1/2	2
64	064057	M	Washer, .312/.343 x .625 x .062 PL	4
65	035246	O	Brake Rod	1
66	058034	M	Roll Pin, 1/8 x 3/4	1
67	065015	M	Nut	1
68	083009	M	Spring	2
69	035247	O	Brake Lever	1
70	035100	M	Hanger Hook	2
71	063003	M	Lockwasher	1
72	035027	M	Spacer	1
73	065061	M	Jam Nut	2
74	002813	M	Pin	1
75	067033	M	Hair Pin	2

SUGGESTED PARTS STOCKING CODE
F – FAST
M – MEDIUM
S – SLOW
O – CUSTOMER ORDER ONLY

CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES
F – FAST (rapide)
M – MEDIUM (moyen)
S – SLOW (lent)
O – Commande du client seulement

ELECTRICAL DIAGRAM/SCHÉMA DE CÂBLAGE ÉLECTRIQUE
935003, 935005



E=IR

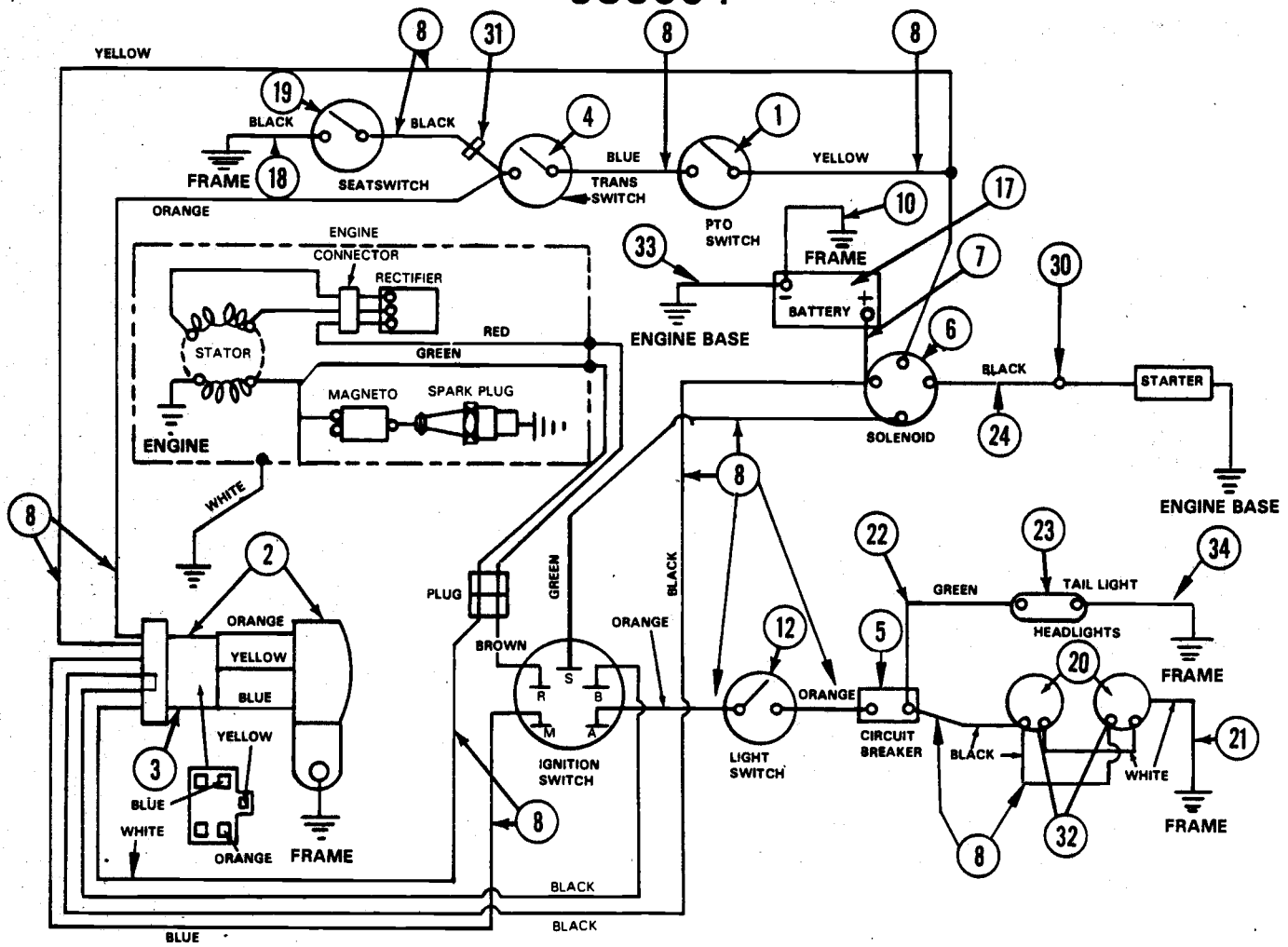
NODE REF. NO.	NO DE PIECE PART NO.	CODE D'INV STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
1	027078	F	Switch, Interlock - PTO Clutch	1
2	035052	F	Module (W/Connector)	1
3	025203	S	Connector (To Module)	1
4	029131	F	Switch, Interlock - Shift Lever	1
5	031108	M	Circuit Breaker	1
6	031720	M	Solenoid	1
7	029026	S	Cable, Battery to Solenoid	1
8	035289	S	Wire Harness	1
9	029205	M	"J" Clamp	1
10	029026	S	Cable, Battery to Ground	1
11	635059	F	Ignition Switch, Key Set Ass'y	1
12	031151	M	Light Switch	1
13	035064	M	Wire, Solenoid to Starter	1
14	069053	M	Wire Tie	1

NODE REF. NO.	NO DE PIECE PART NO.	CODE D'INV. STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
15	030055	M	Wire Clip	1
17	029175	M	Battery	1
18	035075	S	Wire, Ground	1
19	031716	M	Switch, Seat	1
20	031149	F	Headlight	2
21	029207	S	Wire, Headlights to Ground	1
22	035203	S	Wire, Tail Light	1
23	631006	M	Tail Light Ass'y Consists of:	1
	031375	S	Lens	1
			Bulb, Standard GE 1895	1
27	031111	M	Cable	1
28	035288	M	Wire, Ground - Rear Deck	1

SUGGESTED PARTS STOCKING CODE
F – FAST
M – MEDIUM
S – SLOW
O – CUSTOMER ORDER ONLY

CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES
F – FAST (rapide)
M – MEDIUM (moyen)
S – SLOW (lent)
O – Commande du client seulement

ELECTRICAL DIAGRAM/SCHÉMA DE CÂBLAGE ÉLECTRIQUE
935004



NoDE REF. NO.	NO DE PIECE PART NO.	CODE D'INV STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
1	027078	F	Switch, Interlock, PTO Clutch	1
2	035214	F	Module (w/Connector)	1
3	025203	S	Connector (to Module)	1
4	029131	F	Switch, Interlock, Shift Lever	1
5	031108	M	Circuit Breaker	1
6	031720	M	Solenoid	1
7	029026	S	Cable, Battery to Solenoid	1
8	035290	S	Wire Harness	1
10	029026	S	Cable, Battery to Ground	1
11	635059	F	Ignition Switch, Key Set Ass'y	1
12	031151	M	Light Switch	1
17	029175	M	Battery	1
18	035075	S	Wire, Ground	1
19	031716	M	Switch, Seat	1
20	031149	F	Headlight	2
21	029207	S	Wire, Hedlights to Ground	1

NoDE REF. NO.	No DE PIECE PART NO.	CODE D'INV. STOCK CODE	DESCRIPTION	QUANTITÉ NO. REQ'D
22	035203	S	Wire, Tail Light	1
23	631006	M	Tail Light Ass'y Consists of:	1
	031375	S	Lens	
			Bulb, Standard GE 1895	1
24	035064	M	Wire, Solenoid to Starter	1
30	069053	M	Wire Tie	1
31	031155	M	Wire Clip	1
32	029205	M	J-Clamp	1
33	031111	M	Cable	1
34	035288	M	Wire, Ground · Rear Deck	1

SUGGESTED PARTS STOCKING CODE
F – FAST S – SLOW
M – MEDIUM O – CUSTOMER ORDER ONLY

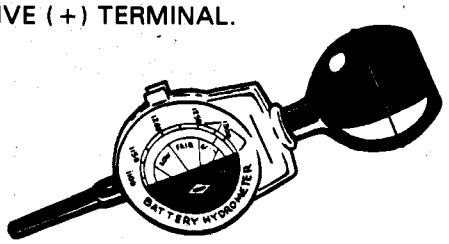
CODE SUGGÉRÉ D'INVENTAIRE DES PIÉCES
F – FAST (rapide) S – SLOW (lent)
M – MEDIUM (moyen) O – Commande du client seulement

BATTERY SET-UP AND MAINTENANCE

WARNING: STORAGE BATTERIES GIVE OFF HIGHLY INFLAMMABLE HYDROGEN GAS. DO NOT ALLOW SPARKS OR FLAME NEAR BATTERY. DO NOT LAY TOOLS ACROSS BATTERY TERMINALS WHICH MAY CAUSE A SPARK RESULTING IN AN EXPLOSION.

CAUTION: ELECTROLYTE CONTAINS SULPHURIC ACID WHICH IS HARMFUL TO SKIN, EYES AND CLOTHING. HANDLE WITH EXTREME CARE. IF SPILLAGE OCCURS ON BODY OR CLOTHING, RINSE AT ONCE WITH WATER.

WARNING: REVERSED BATTERY CABLES OR REVERSED CABLES FROM A BATTERY CHARGER OR BOOSTER BATTERY CAN CAUSE DAMAGE TO THE PRODUCT. SPARKS AND POTENTIAL HAZARDS TO OPERATOR COULD RESULT. MAKE CERTAIN THE GROUND CABLE IS CONNECTED TO THE FRAME AND THE POSITIVE CABLE IS CONNECTED TO THE POSITIVE (+) TERMINAL.



NOTE: THE HYDROMETER, PART NO. 531140, OFFERED THROUGH ARIENS IS RECOMMENDED FOR ALL SET-UP AND MAINTENANCE PROCEDURES OF ARIENS BATTERIES.

SET-UP

Battery is dry charged. Dealer or customer must add electrolyte (sulfuric acid and water).

1. Remove battery from unit.
2. Remove all the vent caps from the battery and set the caps to one side.
3. Take the electrolyte which should be 1.265 specific gravity at 80° F,* and fill each cell so that the electrolyte is level with the bottom of the fill ring.
4. The battery should stand for ½ hour. Now check electrolyte level in each cell again. If necessary add more electrolyte to bring the level up to the bottom of the fill ring.
5. Charge until all cells are gassing freely, and the specific gravity is constant over three successive readings taken at 30 minute intervals. See Table 4 for charging rates.
6. Immediately after charging check level of electrolyte. If the level is low add distilled water to bring it up to required level.
7. Replace vent caps. It is not necessary to tighten more than finger tight.
8. Wash off the battery to remove electrolyte which may have spilled.

PRODUCT	BATTERY MODEL	CHARGE RATE FOR 10 HRS.
Yard Tractor	Ariens 29175 (WISCO LM-9)	2.5 Amps

TABLE 4

NOTE: CHARGING BATTERY AT A HIGHER RATE WILL DAMAGE BATTERY.

MAINTENANCE

If you wish to have the best performance possible, it is extremely important to do periodic checks.

1. Do an occasional visual inspection. See to it that the battery remains clean, both the case and the terminals. This visual inspection should be done once a month.
2. Check the level of the electrolyte. It may be necessary to add distilled water. This should be checked before each usage.
3. Another important check is the specific gravity. The specific gravity should be checked with the Hydrometer*. The reading on the gauge should be above 1.225. If the electrolyte is allowed to fall below 1.225 specific gravity, you will have an insufficient charge. If this happens charge battery until specific gravity of 1.265 is reached over 3 successive readings. This check should be done monthly.

STORAGE

During the off season it is important to have the battery in the same good condition or it will not deliver power when needed.

1. Make sure the battery is fully charged and the electrolyte is to the proper level.
2. Make sure the battery is clean (both the case and the terminals.)
3. After cleaning the terminals you may want to spread petroleum jelly on the terminals to prevent loss of charge.
4. Leave the cables disconnected.

5. It would be best to leave the battery remain in a cool, dry area during the off season. This will slow down the loss of charge during non-use periods.

6. Check your battery monthly during the off season and if the battery has a low specific gravity apply a charge to it.*

*NOTE: THE SPECIFIC GRAVITY SHOULD BE CHECKED IN EACH CELL AND SHOULD BE THE SAME FOR ALL CELLS. A VARIATION IN A CELL READING COULD BE AN INDICATION OF A PROBLEM. SUBTRACT .004 FROM 1.265 FOR EACH 10° F (5.5° C) BELOW 80° F (26.7° C). ADD .004 TO 1.265 FOR EACH 10° F (5.5° C) ABOVE 80° F (26.7 C).

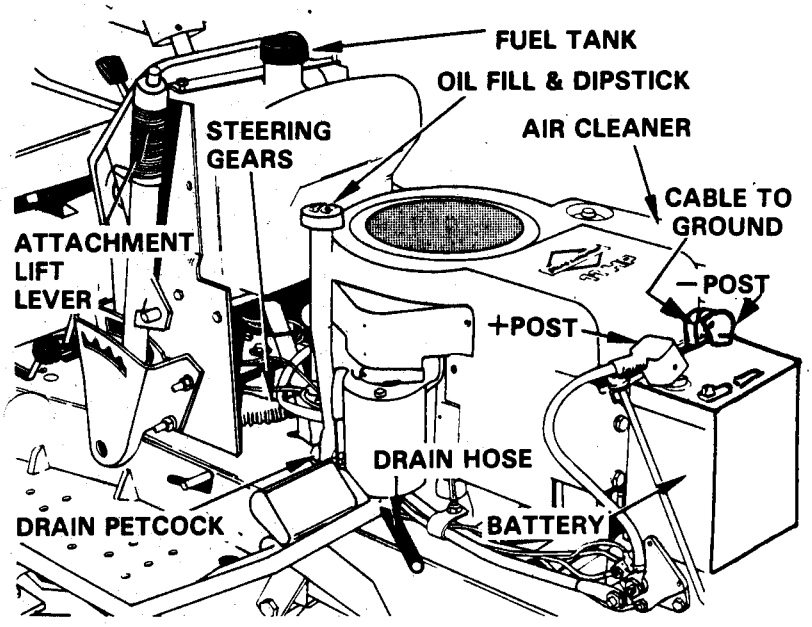


FIGURE 28

STEERING WHEEL — FIGURE 29

Install steering wheel on the column as shown in Figure 29. Line up the holes in steering wheel and steering post and secure by driving in the roll pin.

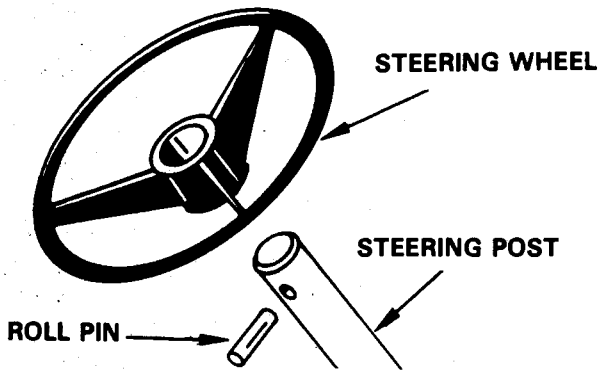


FIGURE 29

INSTALLATION OF MOWER PAN - 38" MOWER — FIGURES 30 & 31

Position the tractor on a smooth, level surface and install the mower pan as follows:

1. Lower the Attachment Lift Lever. One front set of pins and washers will connect the tabs on the front of the mower pan to the front hangers, the second set of pins and washers connect the front of the pan to the belt tightener bracket. The rear set of pins and washers connect the rear hangers to the frame.

2. With the Mower Belt in place on the pan and the lift arm in its highest position, position the pan under the tractor and forward against the front wheels.

3. Lower the Attachment Lift Lever. Slide the pan back (while lifting the rear of the pan) so that the pan hanger hooks slide up on the rear hanger. Assemble the front hangers to the tabs on the mower pan, while, at the same time, assembling the front and back hangers. Secure with four washers and hairpin cotters. Connect the Belt Tightener Bracket to the pan. See Figure 31.

4. Raise the lift lever to maximum height. Connect the Mower Belt to the tractor PTO Sheave.

5. Connect the blade brake arm to the stud on the center of the Attachment Clutch Idler sleeve. Secure with a washer and a hairpin cotter. Refer to Figure 30.

6. Adjust the belt fingers on the tractor PTO Sheave to clear the belt by $^{1}/_{16}$". Tighten the belt finger hardware. See Figure 11, page 9.

INSTALL BLADE BRAKE ARM AS SHOWN

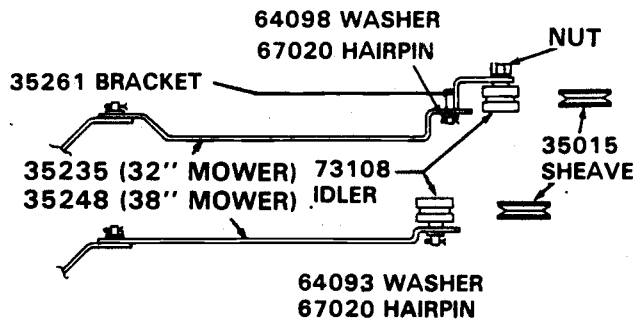


FIGURE 30

LEVEL ADJUSTMENT OF MOWER PAN — FIGURE 31

The mower pan is designed to cut evenly with the rear of the pan 1/8 inch higher than the front. To level the mower pan proceed as follows:

1. Position the tractor on a smooth, level surface. Adjust tire pressure as follows (light loading):

   Front - 8 psi / Rear - 6 psi

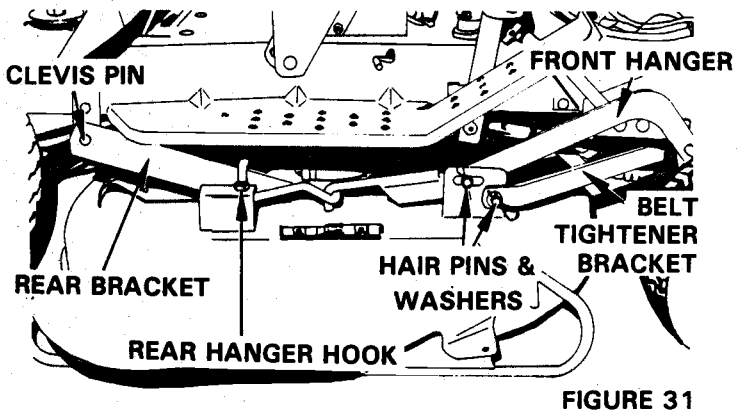


FIGURE 31

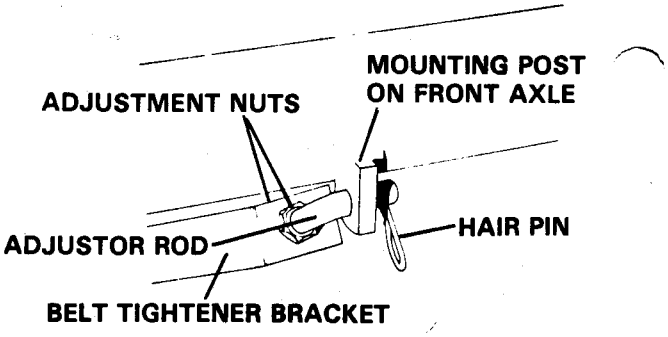


FIGURE 32

2. With the Attachment Lift Lever in the third lowest cutting notch, measure the distance from surface to mower blades at the front and rear of the pan. The rear of the blades should be 1/8 inch higher than the front and the blades should hang even side to side.

3. If adjustment is required, turn the hex nuts on the rear hanger hooks to move the hooks up or down to secure the proper adjustment. When the pan is leveled and hangs evenly, tighten the hex nuts. See Figure 31.

4. Adjust mower belt for proper center distance. See Figures 14 and 32. Adjust nuts on the adjustor rod connected to the center of the front axle to move mower pan forward or backward. Adjust 1 to 1½ inch clearance between belt as shown in Figure 14 with mower pan in lowest and highest positions.

CAUTION: ADJUSTMENT TOO FAR FORWARD WILL NOT ALLOW MOWER BELT TO DECLUTCH! CHECK FOR PROPER MOWER BELT DECLUTCHING IN ALL HEIGHT POSITIONS. IF MOWER BELT DOES NOT DECLUTCH, ADJUST MOWER PAN BACKWARD UNTIL PROPER DECLUTCHING OCCURS. (PTO SHEAVE MUST NOT HAVE A TENDENCY TO DRIVE MOWER BELT AND/OR OVERRIDE BRAKE.) ADVISE USER/OWNER OF THIS PROPER ADJUSTMENT AND CHECK PROCEDURE.

WARNING: THE CHUTE DEFLECTOR MUST BE ATTACHED TO THE 32" MOWER PAN ON THE YT8 YARD TRACTOR BEFORE DELIVERY. THE TRACTOR IS SHIPPED WITHOUT THE CHUTE DEFLECTOR IN PLACE. ATTACH THE CHUTE DEFLECTOR (035243) TO THE MOWER PAN CHUTE WITH THE TWO CARRIAGE BOLTS (62017) INSERTED FROM THE INSIDE, AND SECURED WITH TWO LOCKNUTS (65040). DEFLECTOR IS HELD DOWN BY THE CARRIAGE BOLT (62042) AND WING NUT (65064) THROUGH THE FLANGE ON THE FRONT OF THE DEFLECTOR AND PAN. SEE "MOWER PAN CUTTING HEIGHT" SECTION, PAGE 9, ALSO.

ENGINE — FIGURE 28

Use high quality detergent type oil with service designation SC, CC, SD, or SE. Oil weight specifications are shown in "LUBRICATION" section of this manual.

FILL FUEL TANK — FIGURE 28

Fill fuel tank with "regular" grade gasoline. Do not use premium gasoline.

NOTE: THIS PRODUCT IS EQUIPPED WITH AN INTERNAL COMBUSTION TYPE ENGINE. DO NOT USE UNIT ON OR NEAR ANY UNIMPROVED, FOREST-COVERED OR BRUSH-COVERED LAND UNLESS THE EXHAUST SYSTEM IS EQUIPPED WITH A SPARK ARRESTER MEETING APPLICABLE LOCAL, STATE OR FEDERAL LAWS. A SPARK ARRESTER, IF IT IS USED, MUST BE MAINTAINED IN EFFECTIVE WORKING ORDER BY THE OPERATOR. SEE YOUR ARIENS DEALER OR ENGINE MANUFACTURER'S SERVICE CENTER.

935000 SERIES YARD TRACTOR SPECIFICATIONS

Model	YT8	YT11
Engine *	8 hp Isolation Mounted	11 hp Synchro-Balanced
Starting	Electric Std.	Electric Std.
Keyswitch	Std.	Std.
Transaxle Gears		
Forward - six speeds	.75, 1.28, 1.92, 2.24, 3.36, 5.04 mph (1.2 - 8 kmph)	.75, 1.28, 1.92, 2.24, 3.36, 5.04 mph (1.2 - 8 kmph)
Reverse - one speed	2.69 mph (4.3 kmph)	2.69 mph (4.3 kmph)
Tires		
Front	Pneumatic 13-5.00 x 6	Pneumatic 13-5.00 x 6
Rear	Pneumatic 18-8.50 x 8	Pneumatic 18 - 8.50 x 8
Total Oscillation Front Axle	5½" (14 cm) -	5½" (14 cm)
Geared Steering	Yes	Yes
Fuel Tank Capacity	7 qts. (6.6 liters)	7 qts. (6.6 liters)
Drive	Gear	Gear
Lift	Manual	Manual
Travel Brakes	Disc	Disc
Headlights - Sealed Beam	Standard	Standard
Tail Light	Standard	Standard
Dimensions		
Height	36" (91 cm)	36" (91 cm)
Width	34" (86 cm)	34" (86 cm)
Length	61" (155 cm)	61" (155 cm)
Wheelbase	46" (116 cm)	46" (116 cm)
Turning Radius (Inside Rear Tire)	32" (81 cm)	32" (81 cm)
Shipping Weight	450 lbs. (204 kg)	450 lbs. (204 kg)
Cutting Width	32" (81 cm)	32"(81cm)/38"(96cm)
Cutting Height	1½" - 4" (3.8 - 10 cm)	1½" - 4" (3.8 - 10 cm)

*NOTE: REFER ALSO TO ENGINE INSTRUCTIONS

Optional Accessories*:

Weight Box, 735001, 735004
Wheel Weights, 735002; Tire Chains, 713977
38" Mulcher Plate, 725003

Optional Attachments*:

42" Front Blade, 835002
36" Sno-Thro, 835006
Grass Bagger (32"), 835007
Tiller, 835008

*Available at Extra Cost

Consistent with Ariens policy of continuing product improvement, specifications shown herein are subject to change without notice.

SERIAL NUMBER – TRACTOR

(Plate Located on Frame)

SERIAL NUMBER – ENGINE

(Plate Located on Exterior of Engine)

REGISTRATION

Fill out pre-warranty registration card and mail to Ariens Company. Warranty will only be registered under the model and serial number found on the serial number label (also stamped into the frame of the unit). This serial number will correspond with the serial number pre-printed on the pre-warranty registration card. Add serial numbers to page 39.

DELIVERY

Using the Owner's Manual as a guide, instruct the customer as follows:

1. Instruct the customer on the operation of the tractor. Emphasize safety and discuss the safety information in the Owner's Manual.

2. Advise customer to change oil in the engine crankcase after the first five hours of operation.

3. Explain how to perform the recommended lubrication and periodic service.

4. Explain maintenance and adjustment instructions. Instruct customer to readjust Mower Belt after first five hours of operation. See Page 11.

5. Demonstrate how to mount and dismount attachments.

6. Make certain the customer has his Owner's Manual and Engine Instructions.

7. Explain Ariens Warranty Policy. Fill out and return Ariens Warranty Registration Card.