



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HUSQVARNA YTH 1746 A. You'll find the answers to all your questions on the HUSQVARNA YTH 1746 A in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HUSQVARNA YTH 1746 A
User guide HUSQVARNA YTH 1746 A
Operating instructions HUSQVARNA YTH 1746 A
Instructions for use HUSQVARNA YTH 1746 A
Instruction manual HUSQVARNA YTH 1746 A



YTH1746

Owner's Manual



[You're reading an excerpt. Click here to read official HUSQVARNA YTH 1746 A user guide](http://yourpdfguides.com/dref/4739479)
<http://yourpdfguides.com/dref/4739479>

..... 21-25 STORAGE

.....
.....
.....
.....
.....
.....
.....
.....
.....

... 26 TROUBLESHOOTING

.....
.....
.....

... 27-28 REPAIR PARTS - TRACTOR ..

.....
.....
.....
.....

.. 30-43 WARRANTY

.....
.....
.....
.....
.....
.....
.....

..... 47 4 UNASSEMBLED PARTS Steering Wheel Mower (2) Front Link Assemblies Steering Sleeve Steering Wheel Adapter Steering Wheel Insert (1) Hex Bolt 3/8-16 x 1 (3) Retainer Springs (double loop) Steering Extension Shaft (4) Retainer Springs (single loop) Gauge Wheels (4) Adjusting Bars (4) Wheels (1) Large Flat Washer (4) Clevis Pins (1) Lock washer 3/8 (1) Locknut 5/16-18 (1) Hex Bolt 5/16-18 x 1-1/4 (4) Washers 3/8 x 3/4 x 14 Ga. (4) Retainer Springs (double loop) (4) Locknuts 3/8-16 (4) Shoulder Bolts Seat Nose Roller Nose Roller Brackets (1) Washer 17/32 x 1-3/16 x 12 Gauge (1) Knob (2) Nylon Locknuts 3/8-16 (2) Hex Bolts 3/8-16 x 1 Blades (2) Washers 17/32 x 7/8 x 16 Ga. Slope Sheet Keys (3) Mulch Blades (2) Keys 5 ASSEMBLY Your new tractor has been assembled at the factory with exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your tractor all parts and hardware you assemble must be tightened securely.

Use the correct tools as necessary to insure proper tightness. TOOLS REQUIRED FOR ASSEMBLY A socket wrench set will make assembly easier. Standard wrench sizes are listed. (1) Tire pressure gauge (2) 9/16" wrenches (1) Utility knife (2) 1/2" wrenches (1) 3/4" socket w/drive ratchet (1) Pliers When right or left hand is mentioned in this manual, it means when you are in the operating position (seated behind the steering wheel). INSERT 3/8 HEX BOLT 3/8 LOCK WASHER LARGE FLAT WASHER TO REMOVE TRACTOR FROM CARTON UNPACK CARTON ••• Remove all accessible loose parts and parts cartons from carton. Cut, from top to bottom, along lines on all four corners of carton, and lay panels flat. Remove mower and packing materials. Check for any additional loose parts or cartons and remove. STEERING WHEEL STEERING BOOT TABS ADAPTER EXTENSION SHAFT 5/16 HEX BOLT BEFORE REMOVING TRACTOR FROM SKID ATTACH STEERING WHEEL (See Fig. 1) ASSEMBLE EXTENSION SHAFT AND BOOT •Slide extension shaft onto lower steering shaft.

Align mounting holes in extension and lower shafts and install 5/16 hex bolt and locknut. Tighten securely. •Place tabs of steering boot over tab slots in dash and push down to secure. INSTALL STEERING WHEEL •Position front wheels of the tractor so they are pointing straight forward. •Remove steering wheel adapter from steering wheel and slide adapter on SHER ADJUSTMENT KNOB FIG.

3 NOTE: You may now roll or drive your tractor off the skid. Follow the appropriate instruction below to remove the tractor from the skid. HEX BOLT "B" BRACKET TAB LOCK NUT WASHER FIG. 4 7 ASSEMBLY ASSEMBLE GAUGE WHEELS TO MOWER DECK (See Fig. 5) The gauge wheels are designed to keep the mower deck in proper position when operating mower.

Be sure they are properly adjusted to ensure optimum mower performance. •Slide gauge wheel bar down into bracket channel, Be sure that gauge wheel bar aligning holes are on top. Assemble gauge wheels as shown using shoulder bolts, 3/8 washers and 3/8-16 center locknuts and tighten securely. •For ease of mower to tractor assembly, raise gauge wheels to highest position and retain with clevis pins and spring retainers. •Adjust gauge wheels before operating mower. See "TO ADJUST GAUGE WHEELS" in the Operation section of this manual. RETAINER SPRING PIN ADJUSTING BAR TRAILING EDGE UP BLADE CENTER HOLE MANDREL ASSEMBLY FLAT WASHER HEX BOLT (GRADE 8)* LOCK WASHER *A GRADE 8 HEAT TREATED BOLT CAN BE IDENTIFIED BY SIX LINES ON THE BOLT HEAD. STAR FIG. 6 INSTALL MULCHER PLATE (See Fig. 7) NOTE: If you installed the mulching blades you will need to install the mulcher plate.

•Raise and hold deflector shield in upright position. •Place front of mulcher plate over front of mower deck opening and slide into place, as shown. •Hook front latch into hole on front of mower deck. •Hook rear latch into hole on back of mower deck. SHOULDER BOLT GAUGE WHEEL 3/8 WASHER 3/8-16

CENTER LOCKNUT CAUTION: Do not remove deflector shield from mower. Raise and hold shield when attaching mulcher plate and allow it to rest on plate while in operation. FIG. 5 IMPORTANT: FOR SHIPPING PURPOSES, THE MULCHER PLATE WAS PREATTACHED TO YOUR MOWER. THE MULCHER PLATE MUST ONLY BE USED WITH THE MULCHING BLADES THAT CAME PACKED SEPARATELY IN THE CARTON. YOUR MOWER CAME FACTORY EQUIPPED WITH HIGH PERFORMANCE BLADES, WHICH ARE THE BEST BLADES FOR BAGGING AND DISCHARGING. TO USE YOUR MOWER WITH THE HIGH PERFORMANCE BLADES THE MULCHER PLATE MUST BE REMOVED FROM THE MOWER (SEE FIG. 7). DEFLECTOR SHIELD MULCHER PLATE LATCH HOOKS TO SET UP YOUR MOWER FOR MULCHING (See Fig. 6) ••• Turn the mower over to allow access to blades. Remove hex bolt, lock washer and flat washer and remove high performance blades.



[You're reading an excerpt. Click here to read official HUSQVARNA
YTH 1746 A user guide
http://yourpdfguides.com/dref/4739479](http://yourpdfguides.com/dref/4739479)

Store in safe place. Install mulcher blades with trailing edge up towards deck as shown. FIG. 7 TO CONVERT TO BAGGING OR DISCHARGING NOTE: The mulcher blades will discharge and bag grass, but for best bagging and discharging install the high performance blades. • Remove mulcher plate and mulcher blades and install high performance blades, (see **BLADE REMOVAL** in the Customer Responsibilities section of this manual) • Store mulcher blades and mulcher plate in a safe place.

Your mower is now ready for discharging or installation of optional grass catcher accessory. **IMPORTANT: TO ENSURE PROPER ASSEMBLY, CENTER HOLE IN BLADE MUST ALIGN WITH STAR ON MANDREL ASSEMBLY.** ••• Reassemble hex bolt, lock washer and flat washer in exact order as shown. Tighten bolt securely (27-35 Ft. Lbs. torque). Install mulcher plate if previously removed. **IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.** 8 ASSEMBLY INSTALL MOWER AND DRIVE BELT (See Figs. 8 and 9) Be sure tractor is on level surface and mower suspension arms are raised with attachment lift control.

Engage parking brake. • Cut and remove ties securing anti-sway bar and belts. Swing anti-sway bar to left side of mower deck. • Slide mower under tractor with deflector shield to right side of tractor. **IMPORTANT: CHECK BELT FOR PROPER ROUTING IN ALL MOWER PULLEY GROOVES. INSTALL BELT INTO ELECTRIC CLUTCH PULLEY GROOVE.** •••••••••• Install one front link in top hole of the R.H. front mower bracket and R.H. front suspension bracket. Retain with two single loop retainer springs as shown. Install second front link in L.H. front suspension bracket only and retain with single loop retainer spring as shown.

Turn height adjustment knob counterclockwise until it stops. Lower mower linkage with attachment lift control. Place the L.H. suspension arm on outward pointing deck pin.

If necessary, rock and raise front of mower to align deck pin with the hole in suspension arm. Retain with double loop retainer spring with loops down as shown. Slide left side of mower back and install the unattached front link in top hole of the L.H. front mower bracket. Retain with single loop retainer spring as shown. Place the R.H. suspension arm on outward pointing deck pin. If necessary, rock and raise front of mower to align deck pin with the hole in suspension arm.

Retain with double loop retainer spring with loops down as shown. Connect anti-sway bar to chassis bracket under left footrest and retain with double loop retainer spring. Turn height adjustment knob clockwise to remove slack from mower suspension. Raise mower to highest position. Adjust gauge wheels before operating mower as shown in the Operation section of this manual. **DOUBLE LOOP RETAINER SPRING (Outward pointing deck pins) ELECTRIC CLUTCH SUSPENSION PULLEY ARMS FRONT MOWER BRACKET FRONT SUSPENSION BRACKET CHASSIS BRACKET FRONT LINK SINGLE LOOP RETAINER SPRINGS GAUGE WHEEL DOUBLE LOOP RETAINER SPRING ANTI-SWAY BAR IDLER PULLEY USE PLIERS FOR RETAINER SPRINGS FIG. 8 DEFLECTOR SHIELD LOOP DOWN 9 ASSEMBLY CHECK TIRE PRESSURE** The tires on your tractor were overinflated at the factory for shipping purposes. Correct tire pressure is important for best cutting performance. • Reduce tire pressure to PSI shown in "PRODUCT SPECIFICATIONS" section of this manual. **CHECK MOWER LEVELNESS** For best cutting results, mower should be properly leveled.

See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual. **CHECK FOR PROPER POSITION OF ALL BELTS** See the figures that are shown for replacing motion, mower drive, and mower blade drive belts in the Service and Adjustments section of this manual. Verify that the belts are routed correctly. **CHECK BRAKE SYSTEM** After you learn how to operate your tractor, check to see that the brake is properly adjusted. See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual.

BEFORE YOU OPERATE AND ENJOY YOUR NEW TRACTOR, WE WISH TO ASSURE THAT YOU RECEIVE THE BEST PERFORMANCE AND SATISFACTION FROM THIS QUALITY PRODUCT. PLEASE REVIEW THE FOLLOWING CHECKLIST: 3 All assembly instructions have been completed.

3 No remaining loose parts in carton. 3 Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).

3 Seat is adjusted comfortably and tightened securely. 3 All tires are properly inflated. (For shipping purposes, the tires were overinflated at the factory). 3 Be sure mower deck is properly leveled side-to-side/ front-to-rear for best cutting results. (Tires must be properly inflated for leveling). 3 Check mower and drive belts. Be sure they are routed properly around pulleys and inside all belt keepers. 3 Check wiring. See that all connections are still secure and wires are properly clamped. 3 Before driving tractor, be sure freewheel control is in drive position.

WHILE LEARNING HOW TO USE YOUR TRACTOR, PAY EXTRA ATTENTION TO THE FOLLOWING IMPORTANT ITEMS: 3 Engine oil is at proper level. 3 Fuel tank is filled with fresh, clean, regular unleaded gasoline. 3 Become familiar with all controls - their location and function. Operate them before you start the engine. 3 Be sure brake system is in safe operating condition. 3 It is important to purge the transmission before operating your tractor for the first time. Follow proper starting and transmission purging instructions (See "TO START ENGINE" and "PURGE TRANSMISSION" in the Operation section of this manual). 3 **CHECKLIST 10 OPERATION** These symbols may appear on your tractor or in literature supplied with the product. Learn and understand their meaning. **BATTERY CAUTION OR WARNING REVERSE FORWARD FAST SLOW ENGINE ON ENGINE OFF OIL PRESSURE LIGHTS ON OVER TEMP LIGHT FUEL CHOKE MOWER HEIGHT PARKING BRAKE LOCKED UNLOCKED MOWER LIFT P ATTACHMENT CLUTCH ENGAGED REVERSE NEUTRAL HIGH LOW PARKING BRAKE 15 15 15 IGNITION ATTACHMENT CLUTCH DISENGAGED KEEP AREA CLEAR SLOPE HAZARDS (SEE SAFETY RULES SECTION) DANGER, KEEP HANDS AND FEET AWAY FREE WHEEL (Automatic Models only) 11 OPERATION KNOW YOUR TRACTOR READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR TRACTOR** Compare the illustrations with your tractor to familiarize yourself with the locations of various controls and adjustments.

Save this manual for future reference. **ATTACHMENT CLUTCH SWITCH HOURMETER IGNITION SWITCH LIGHT SWITCH POSITION LIFT LEVER PLUNGER AMMETER ATTACHMENT LIFT LEVER CLUTCH/BRAKE PEDAL THROTTLE/CHOKE CONTROL PARKING BRAKE FREE WHEEL CONTROL HEIGHT ADJUSTMENT KNOB MOTION CONTROL LEVER FIG. 9** Our tractors conform to the safety standards of the American National Standards Institute. **ATTACHMENT CLUTCH SWITCH:** Used to engage the mower blades, or other attachments mounted to your tractor. **LIGHT SWITCH:** Turns the headlights on and off.

THROTTLE/CHOKE CONTROL: Used for starting and controlling engine speed. **CLUTCH/BRAKE PEDAL:** Used for declutching and braking the tractor and starting the engine.



[You're reading an excerpt. Click here to read official HUSQVARNA YTH 1746 A user guide](http://yourpdfguides.com/dref/4739479)
<http://yourpdfguides.com/dref/4739479>

PARKING BRAKE: Locks clutch/brake pedal into the brake position. **FREEWHEEL CONTROL:** Disengages transmission for pushing or slowly towing the tractor with the engine off. **AMMETER** - Indicates charging (+) or discharging (-) of battery.

HOURMETER - Indicates hours of operation. **MOTION CONTROL LEVER:** Selects the speed and direction of tractor. **ATTACHMENT LIFT LEVER:** Used to raise, lower, and adjust the mower deck or other attachments mounted to your tractor. **LIFT LEVER PLUNGER:** Used to release attachment lift lever when changing its position. **IGNITION SWITCH:** Used for starting and stopping the engine. **HEIGHT ADJUSTMENT KNOB** - Used to adjust the mower cutting height. **12 OPERATION** The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend a wide vision safety mask over spectacles or standard safety glasses. **IMPORTANT: LEAVING THE IGNITION SWITCH IN ANY POSITION OTHER THAN "OFF" WILL CAUSE THE BATTERY TO BE DISCHARGED, (DEAD).**

HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE (See Fig. 10) Your tractor is equipped with an operator presence sensing switch. When engine is running, any attempt by the operator to leave the seat without first setting the parking brake will shut off the engine. • Depress clutch/brake pedal into full "BRAKE" position and hold. • Place parking brake lever in "ENGAGED" position and release pressure from clutch/brake pedal. Pedal should remain in "BRAKE" position. Make sure parking brake will hold tractor secure. **THROTTLE/ CHOKER CONTROL LEVER ATTACHMENT PARKING BRAKE CLUTCH LEVER "ENGAGED" "DISENGAGED" "ENGAGED" POSITION POSITION POSITION NOTE:** Under certain conditions when tractor is standing idle with the engine running, hot engine exhaust gases may cause "browning" of grass. To eliminate this possibility, always stop engine when stopping tractor on grass areas. **CAUTION:** Always stop tractor completely, as described above, before leaving the operator's position; to empty grass catcher, etc.

TO USE THROTTLE CONTROL (See Fig. 10) Always operate engine at full throttle. • Operating engine at less than full throttle reduces the battery charging rate. • Full throttle offers the best bagging and mower performance. **"BRAKE" POSITION IGNITION KEY MOTION CONTROL LEVER TO MOVE FORWARD AND BACKWARD** (See Fig.

10) The direction and speed of movement is controlled by the motion control lever. • Start tractor with motion control lever in neutral (N) position. • Release parking brake and clutch/brake pedal. • Slowly move motion control lever to desired position. **CLUTCH/BRAKE PEDAL "DRIVE" HEIGHT POSITION ADJUSTMENT KNOB PARKING BRAKE "DISENGAGED" POSITION TO ADJUST MOWER CUTTING HEIGHT** (See Fig.

10) The cutting height is controlled by turning the height adjustment knob in desired direction. • Turn knob clockwise () to raise cutting height. • Turn knob counterclockwise () to lower cutting height. The cutting height range is approximately 1-1/2" to 4". The heights are measured from the ground to the blade tip with the engine not running. These heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed. • The average lawn should be cut to approximately 2-1/2 inches during the cool season and to over 3 inches during hot months. For healthier and better looking lawns, mow often and after moderate growth. • For best cutting performance, grass over 6 inches in height should be mowed twice. Make the first cut relatively high; the second to desired height.

FIG. 10 STOPPING (See Fig. 10) **MOWER BLADES** • To stop mower blades, move attachment clutch switch to "DISENGAGED" position. **GROUND DRIVE** • To stop ground drive, depress clutch/brake pedal into full "BRAKE" position.. • Move motion control lever to neutral (N) position. **IMPORTANT: THE MOTION CONTROL LEVER DOES NOT RETURN TO NEUTRAL (N) POSITION WHEN THE CLUTCH/BRAKE PEDAL IS DEPRESSED. ENGINE** • Move throttle control to slow position. **NOTE:** Failure to move throttle control to slow position and allowing engine to idle before stopping may cause engine to "backfire". • Turn ignition key to "OFF" position and remove key.

Always remove key when leaving tractor to prevent unauthorized use. • Never use choke to stop engine. **TO ADJUST GAUGE WHEELS** (See Fig. 11) Gauge wheels are properly adjusted when they are slightly off the ground when mower is at the desired cutting height in operating position. Gauge wheels then keep the deck in proper position to help prevent scalping in most terrain conditions.

13 OPERATION •••• Be sure tractor is on a flat level surface. Lower mower and adjust mower to desired cutting height. Remove retainer spring and clevis pin which secure each gauge wheel bar. Lower gauge wheels to ground. Raise gauge wheels slightly to align holes in bracket and gauge wheel bar and insert clevis pin.

Gauge wheels should be slightly off the ground. Replace retainer spring into clevis pin. **TO OPERATE ON HILLS CAUTION:** Do not drive up or down hills with slopes greater than 15° and do not drive across any slope. •••• Choose the slowest speed before starting up or down hills. Avoid stopping or changing speed on hills. If slowing is necessary, move throttle control lever to slower position. If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake. Move motion control lever to neutral (N) position. • **IMPORTANT: BE SURE TO READJUST GAUGE WHEELS IF YOU CHANGE THE CUTTING HEIGHT OF THE MOWER DECK. RETAINER SPRING IMPORTANT: THE MOTION CONTROL LEVER DOES NOT RETURN TO NEUTRAL (N) POSITION WHEN THE CLUTCH/BRAKE PEDAL IS DEPRESSED.**

• **CLEVIS PIN** •• To restart movement, slowly release parking brake and clutch/brake pedal. Slowly move motion control lever to slowest setting. Make all turns slowly. **FIG. 11 TO TRANSPORT** (See Figs. 10 and 13) When pushing or towing your tractor, be sure to disengage transmission by placing freewheel control in freewheeling position. Free wheel control is located at the rear drawbar of tractor. • Raise attachment lift to highest position with attachment lift control. • Pull freewheel control out and down into the slot and release so it is held in the disengaged position. • Do not push or tow tractor at more than two (2) MPH.

• To reengage transmission, reverse above procedure. **NOTE:** To protect hood from damage when transporting your tractor on a truck or a trailer, be sure hood is closed and secured to tractor. Use an appropriate means of tying hood to tractor (rope, cord, etc.). **TO OPERATE MOWER** (See Fig.

12) Your tractor is equipped with an operator presence sensing switch.



[You're reading an excerpt. Click here to read official HUSQVARNA YTH 1746 A user guide](http://yourpdfguides.com/dref/4739479)
<http://yourpdfguides.com/dref/4739479>

Any attempt by the operator to leave the seat with the engine running and the attachment clutch engaged will shut off the engine. • Select desired height of cut. • Lower mower with attachment lift control. • Start mower blades by engaging attachment clutch control.

• **TO STOP MOWER BLADES** - disengage attachment clutch control. **CAUTION:** Do not operate the mower without either the entire grass catcher, on mowers so equipped, or the deflector shield in place. "ENGAGED" POSITION ATTACHMENT LIFT LEVER HIGH POSITION LOW POSITION ATTACHMENT CLUTCH LEVER "DISENGAGED" POSITION DEFLECTOR SHIELD FIG. 13 TOWING CARTS AND OTHER ATTACHMENTS Tow only the attachments that are recommended by and comply with specifications of the manufacturer of your tractor. Use common sense when towing. Too heavy of a load, while on a slope, is dangerous. Tires can lose traction with the ground and cause you to lose control of your tractor. FIG. 12 14 OPERATION BEFORE STARTING THE ENGINE CHECK ENGINE OIL LEVEL (See Fig. 18) • • • The engine in your tractor has been shipped, from the factory, already filled with summer weight oil.

Check engine oil with tractor on level ground. Remove oil fill cap/dipstick and wipe clean, reinsert the dipstick and screw cap tight, wait for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill. For cold weather operation you should change oil for easier starting (See "OIL VISCOSITY CHART" in the Customer Responsibilities section of this manual). To change engine oil, see the Customer Responsibilities section in this manual. Fill fuel tank. Use fresh, clean, regular unleaded gasoline with a minimum of 87 octane. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Do not mix oil with gasoline.

Purchase fuel in quantities that can be used within 30 days to assure fuel freshness. • Insert key into ignition and turn key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If the engine does not start after several attempts, move throttle control to fast position, wait a few minutes and try again. If engine still does not start, move the throttle control back to the choke position and retry.

• • **WARM WEATHER STARTING (50° F and above)** • When engine starts, move the throttle control to the fast position. • The attachments and ground drive can now be used. If the engine does not accept the load, restart the engine and allow it to warm up for one minute using the choke as described above. **COLD WEATHER STARTING (50° F AND BELOW)** • When engine starts, allow engine to run with the throttle control in the choke position until the engine runs roughly, then move throttle control to fast position. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.

AUTOMATIC TRANSMISSION WARM UP • Before driving the unit in cold weather, the transmission should be warmed up as follows: • Be sure the tractor is on level ground. • Place the motion control lever in neutral. Release the parking brake and let the clutch/brake slowly return to operating position. • Allow one minute for transmission to warm up. This can be done during the engine warm up period. • The attachments can also be used during the engine warm-up period after the transmission has been warmed up. **NOTE:** If at a high altitude (above 3000 feet) or in cold temperatures (below 32 F) the carburetor fuel mixture may need to be adjusted for best engine performance. See "TO ADJUST CARBURETOR" in the Service and Adjustments section of this manual. **ADD GASOLINE • IMPORTANT: WHEN OPERATING IN TEMPERATURES BELOW 32°F(0°C), USE FRESH, CLEAN WINTER GRADE GASOLINE TO HELP INSURE GOOD COLD WEATHER STARTING. WARNING:** Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage.

Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur. **CAUTION:** Fill to bottom of gas tank filler neck. Do not overfill. Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.

PURGE TRANSMISSION CAUTION: Never engage or disengage freewheel lever while the engine is running. To ensure proper operation and performance, it is recommended that the transmission be purged before operating tractor for the first time. This procedure will remove any trapped air inside the transmission which may have developed during shipping of your tractor. **IMPORTANT: SHOULD YOUR TRANSMISSION REQUIRE REMOVAL FOR SERVICE OR REPLACEMENT, IT SHOULD BE PURGED AFTER REINSTALLATION BEFORE OPERATING THE TRACTOR. TO START ENGINE (See Fig.**

9) When starting the engine for the first time or if the engine has run out of fuel, it will take extra cranking time to move fuel from the tank to the engine. • Be sure freewheel control is in the transmission engaged position. • Sit on seat in operating position, depress clutch/brake pedal and set parking brake. • Place motion control lever in neutral (N) position. • Move attachment clutch to "DISENGAGED" position.

• Move throttle control to choke position. **NOTE:** Before starting, read the warm and cold starting procedures below. • Place tractor safely on level surface with engine off and parking brake set. Disengage transmission by placing freewheel control in freewheeling position (See "TO TRANSPORT" in this section of manual). **15 OPERATION** • Sitting in the tractor seat, start engine. After the engine is running, move throttle control to slow position. With motion control lever in neutral (N) position, slowly disengage clutch/brake pedal. • Move motion control lever to full forward position and hold for five (5) seconds. Move lever to full reverse position and hold for five (5) seconds. Repeat this procedure three (3) times.

NOTE: During this procedure there will be no movement of drive wheels. The air is being removed from hydraulic drive system. • Move motion control lever to neutral (N) position. Shutoff engine and set parking brake. • Engage transmission by placing freewheel control in driving position (See "TO TRANSPORT" in this section of manual). • Sitting in the tractor seat, start engine. After the engine is running, move throttle control to half (1/2) speed. With motion control lever in neutral (N) position, slowly disengage clutch/brake pedal.



[You're reading an excerpt. Click here to read official HUSQVARNA YTH 1746 A user guide](http://yourpdfguides.com/dref/4739479)
<http://yourpdfguides.com/dref/4739479>

• Slowly move motion control lever forward, after the tractor moves approximately five (5) feet, slowly move motion control lever to reverse position. After the tractor moves approximately five (5) feet return the motion control lever to the neutral (N) position.

Repeat this procedure with the motion control lever three (3) times. • Your tractor is now purged and now ready for normal operation. FIG. 14 MULCHING MOWING TIPS IMPORTANT: FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. CLEAN AFTER EACH USE.

• • MOWING TIPS • • • Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual. The left hand side of mower should be used for trimming. Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine.

This will result in a more even distribution of clippings and more uniform cutting. When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished (See Fig. 14). If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height. Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing. Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material.

Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired. When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used. • • • The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades. Avoid cutting your lawn when it is wet. Wet grass tends to form clumps and interferes with the mulching action. The best time to mow your lawn is the early afternoon. At this time the grass has dried and the newly cut area will not be exposed to the direct sun. For best results, adjust the mower cutting height so that the mower cuts off only the top one-third of the grass blades (See Fig.

15). For extremely heavy mulching, reduce your width of cut on each pass and mow slowly. Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path. Change your cutting pattern from week to week.

Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn. • MAX 1/3 • • FIG. 15 • 16 CUSTOMER RESPONSIBILITIES MAINTENANCE SCHEDULE FILL IN DATES AS YOU COMPLETE REGULAR SERVICE Check Brake Operation Check Tire Pressure Check Operator Presence and Interlock Systems Check for Loose Fasteners Sharpen/Replace Mower Blades Lubrication Chart Check Battery Level Clean Battery and Terminals Check Transaxle Cooling Adjust Blade Belt(s) Tension Adjust Motion Drive Belt(s) Tension Check Engine Oil Level Change Engine Oil 1,2,3 2 2 5 5 6 4 7 E S E RS RS AG US UR N RS OU HOU HO ASO TOR OU H O H S SE 25 50 10 EE Y 8 RE Y Y Y Y OR ER VER VER VER EFO F SERVICE E EV E E E B BE H AC DATES T R A C T O R E N G I N E Clean Air Filter Clean Air Screen Inspect Muffler/Spark Arrester Replace Oil Filter (If equipped) Clean Engine Cooling Fins Replace Spark Plug Replace Air Filter Paper Cartridge Replace Fuel Filter 1, 2 2 2 1 - Change more often when operating under a heavy load or in high ambient temperatures. 2 - Service more often when operating in dirty or dusty conditions. 3 - If equipped with oil filter, change oil every 50 hours. 4 - Replace blades more often when mowing in sandy soil. 5 - If equipped with adjustable system. 6 - Not required if equipped with maintenance-free battery. 7 - Tighten front axle pivot bolt to 35 ft.-lbs. maximum. Do not overtighten. GENERAL RECOMMENDATIONS The warranty on this tractor does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain tractor as instructed in this manual.

Some adjustments will need to be made periodically to properly maintain your tractor. All adjustments in the Service and Adjustments section of this manual should be checked at least once each season. • Once a year you should replace the spark plug, clean or replace air filter, and check blades and belts for wear.

A new spark plug and clean air filter assure proper air-fuel mixture and help your engine run better and last longer. À SPINDLE ZERK LUBRICATION CHART À SPINDLE ZERK BEARING ZERK À FRONT WHEEL BEARING ZERK À FRONT WHEEL À ENGINE BEFORE EACH USE • • • • • Check engine oil level. Check brake operation. Check tire pressure. Check operator presence and interlock systems for proper operation. Check for loose fasteners.

À GENERAL PURPOSE GREASE À REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION IMPORTANT: DO NOT OIL OR GREASE THE PIVOT POINTS WHICH HAVE SPECIAL NYLON BEARINGS.

VISCOUS LUBRICANTS WILL ATTRACT DUST AND DIRT THAT WILL SHORTEN THE LIFE OF THE SELF-LUBRICATING BEARINGS. IF YOU FEEL THEY MUST BE LUBRICATED, USE ONLY A DRY, POWDERED GRAPHITE TYPE LUBRICANT SPARINGLY. 17 CUSTOMER RESPONSIBILITIES TRACTOR Always observe safety rules when performing any maintenance. TRAILING EDGE UP CENTER HOLE MANDREL ASSEMBLY BRAKE OPERATION If tractor requires more than six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted. (See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual).

LOCK WASHER HEX BOLT (GRADE 8)* FLAT WASHER STAR BLADE TIRES • Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" section of this manual). • Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber. • Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage. NOTE: To seal tire punctures and prevent flat tires due to slow leaks, tire sealant may be purchased from your local parts dealer. Tire sealant also prevents tire dry rot and corrosion.

*A GRADE 8 HEAT TREATED BOLT CAN BE IDENTIFIED BY SIX LINES ON THE BOLT HEAD. FIG. 16 TO SHARPEN BLADE (See Fig. 17) NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.



[You're reading an excerpt. Click here to read official HUSQVARNA YTH 1746 A user guide](http://yourpdfguides.com/dref/4739479)
<http://yourpdfguides.com/dref/4739479>

Care should be taken to keep the blade balanced. An unbalanced blade will cause excessive vibration and eventual damage to mower and engine. • The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower. • To check blade balance, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer).

NOTE: Do not use a nail for balancing blade. The lobes of the center hole may appear to be centered, but are not. • Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced. CENTER HOLE OPERATOR PRESENCE SYSTEM Be sure operator presence and interlock systems are working properly. If your tractor does not function as described, repair the problem immediately. • The engine should not start unless the clutch/brake pedal is fully depressed and attachment clutch control is in the disengaged position. • When the engine is running, any attempt by the operator to leave the seat without first setting the parking brake should shut off the engine. • When the engine is running and the attachment clutch is engaged, any attempt by the operator to leave the seat should shut off the engine.

••••• Remove hex bolt, lock washer and flat washer securing blade. ••••• Keep battery and terminals clean. • Keep battery bolts tight. • Keep small vent holes open. • Recharge at 6-10 amperes for 1 hour.

•• Do not attempt to open or remove caps or covers. Adding or checking level of electrolyte is not necessary. •• Tighten bolt securely (27-35 Ft. Lbs. •••• Rinse the battery with plain water and dry.

Clean terminals and battery cable ends with wire brush until bright. Coat terminals with grease or petroleum jelly. •• TO CHANGE ENGINE OIL (See Figs. 18 & 19) Determine temperature range expected before oil change. All oil must meet API service classification SF, SG or SH. • Be sure tractor is on level surface. • Oil will drain more freely when warm. • Catch oil in a suitable container. • Remove oil fill cap/dipstick. Be careful not to allow dirt to enter the engine when changing oil.

••••• To open, pull out on the drain valve. ••••• Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. •• Use gauge on oil fill cap/dipstick for checking level. Be sure dipstick cap is tightened securely for accurate reading. •• The belts are not adjustable.

••••• To prevent damage to seals, do not use compressed air or high pressure sprayer to clean cooling fins. TRANSAXLE PUMP FLUID The transaxle was sealed at the factory and fluid maintenance is not required for the life of the transaxle. Should the transaxle ever leak or require servicing, contact your nearest authorized service center/department.

CLOSED AND LOCKED POSITION ENGINE LUBRICATION Only use high quality detergent oil rated with API service classification SF-SJ. Select the oil's SAE viscosity grade according to your expected operating temperature. SAE VISCOSITY GRADES SAE 30 5W-30 °F °C -20° -30° -20° 0° -10° 30° 32° 40° 0° 10° 60° 20° 80° 30° 100° 40° CAP DRAIN TUBE FIG. 19 CLEAN AIR SCREEN Air screen must be kept free of dirt and chaff to prevent engine damage from overheating. Clean with a wire brush or compressed air to remove dirt and stubborn dried gum fibers.

TEMPERATURE RANGE ANTICIPATED BEFORE NEXT OIL CHANGE FIG. 18 NOTE: Although multi-viscosity oils (5W30, 10W30 etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level more frequently to avoid possible engine damage from running low on oil. Change the oil after every 50 hours of operation or at least once a year if the tractor is not used for 50 hours in one year.

Check the crankcase oil level before starting the engine and after each eight (8) hours of operation. Tighten oil fill cap/ dipstick securely each time you check the oil level. 19 CUSTOMER RESPONSIBILITIES ENGINE COOLING FINS (See Fig. 20) Remove any dust, dirt or oil from engine cooling fins to prevent engine damage from overheating. • Remove oil fill cap/dipstick. • Remove hex bolts from blower housing and lift housing off engine. • Cover oil fill opening to prevent entry of dirt. • Use compressed air or stiff bristle brush to thoroughly clean engine cooling fins. • To reassemble, reverse above procedure. HEX BOLTS BLOWER HOUSING HEX BOLTS COVER KNOB CARTRIDGE NUT COVER FOAM PRE-CLEANER PAPER CARTRIDGE BASE FIG.

21 MUFFLER Inspect and replace corroded muffler and spark arrester (if equipped) as it could create a fire hazard and/or damage. OIL FILL/ DIPSTICK TUBE AIR SCREEN SPARK PLUGS Replace spark plugs at the beginning of each mowing season or after every 100 hours of operation, whichever occurs first. Spark plug type and gap setting are shown in "PRODUCT SPECIFICATIONS" section of this manual. ENGINE OIL FILTER ENGINE COOLING FINS SPARK PLUG Replace the engine oil filter every season or every other oil change if the tractor is used more than 100 hours in one year. FIG. 20 AIR FILTER (See Fig. 21) Your engine will not run properly using a dirty air filter. Clean the foam pre-cleaner after every 25 hours of operation or every season. Service paper cartridge every 100 hours of operation or every season, whichever occurs first. Service air cleaner more often under dusty conditions.

• Remove knob(s) and cover. TO SERVICE PRE-CLEANER • Slide foam pre-cleaner off cartridge. • Wash it in liquid detergent and water. • Squeeze it dry in a clean cloth. • Saturate it in engine oil.

Wrap it in clean, absorbent cloth and squeeze to remove excess oil. • If very dirty or damaged, replace pre-cleaner. • Reinstall pre-cleaner over cartridge. • Reinstall cover and secure with knob(s). TO SERVICE CARTRIDGE • Remove cartridge nut.

• Carefully remove cartridge to prevent debris from entering carburetor. Clean base carefully to prevent debris from entering carburetor. • Clean cartridge by tapping gently on flat surface. If very dirty or damaged, replace cartridge. • Reinstall cartridge, nut, pre-cleaner, cover and secure with knob(s).

IMPORTANT: PETROLEUM SOLVENTS, SUCH AS KEROSENE, ARE NOT TO BE USED TO CLEAN THE CARTRIDGE. THEY MAY CAUSE DETERIORATION OF THE CARTRIDGE. DO NOT OIL CARTRIDGE. DO NOT USE PRESSURIZED AIR TO CLEAN OR DRY CARTRIDGE. IN-LINE FUEL FILTER (See Fig.

22) The fuel filter should be replaced once each season. If fuel filter becomes clogged, obstructing fuel flow to carburetor, replacement is required. • With engine cool, remove filter and plug fuel line sections. • Place new fuel filter in position in fuel line with arrow pointing towards carburetor.



[You're reading an excerpt. Click here to read official HUSQVARNA](http://yourpdfguides.com/dref/4739479)

[YTH 1746 A user guide](http://yourpdfguides.com/dref/4739479)

<http://yourpdfguides.com/dref/4739479>

• Be sure there are no fuel line leaks and clamps are properly positioned. • Immediately wipe up any spilled gasoline. CLAMP CLAMP FUEL FILTER FIG. 22 CLEANING • Clean engine, battery, seat, finish, etc. of all foreign matter. • Keep finished surfaces and wheels free of all gasoline, oil, etc.

• Protect painted surfaces with automotive type wax. We do not recommend using a garden hose to clean your tractor unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in a shortened engine life. 20 SERVICE AND ADJUSTMENTS CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS: • Depress clutch/brake pedal fully and set parking brake. • Place motion control lever in neutral (N) position.

• Place attachment clutch in "DISENGAGED" position. • Turn ignition key "OFF" and remove key. • Make sure the blades and all moving parts have completely stopped. • Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug. TRACTOR TO REMOVE MOWER (See Fig.

23) • Place attachment clutch in "DISENGAGED" position. Turn height adjustment knob to lowest setting. Lower mower to its lowest position. Remove retainer spring holding anti-swaybar to chassis bracket and disengage anti-swaybar from bracket. Remove retainer springs from suspension arms at deck and disengage arms from deck. Raise attachment lift to its highest position. Remove two retainer springs from each front link and remove links. Slide mower forward and remove belt from electric clutch pulley. Slide mower out from under right side of tractor. SIDE-TO-SIDE ADJUSTMENT (See Figs.

24 and 25) • Raise mower to its highest position. • At the midpoint of both sides of mower, measure height from bottom edge of mower to ground. Distance "A" on both sides of mower should be the same or within 1/4" of each other. • If adjustment is necessary, make adjustment on one side of mower only. • To raise one side of mower, tighten lift link adjustment nut on that side. • To lower one side of mower, loosen lift link adjustment nut on that side. NOTE: Three full turns of adjustment nut will change mower height about 1/8". • Recheck measurements after adjusting. BOTTOM EDGE OF MOWER TO GROUND IMPORTANT: IF AN ATTACHMENT OTHER THAN THE MOWER DECK IS TO BE MOUNTED ON THE TRACTOR, REMOVE THE FRONT LINKS. TO INSTALL MOWER Follow procedure described in "INSTALL MOWER AND DRIVE BELT" in the Assembly section of this manual.

A GROUND LINE A TO LEVEL MOWER HOUSING Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PRODUCT SPECIFICATIONS" section of this manual). If tires are over or underinflated, you will not properly adjust your mower. FIG. 24 SUSPENSION ARM LIFT LINK ADJUSTMENT NUT ADJUSTMENT NUTS LIFT SUSPENSION LINKS ARMS CHASSIS BRACKET FRONT MOWER BRACKET FIG.

25 FRONT LINKS RETAINER SPRINGS FRONT MOWER BRACKET RETAINER SPRING ANTI-SWAY BAR RETAINER SPRINGS FIG. 23 21 SERVICE AND ADJUSTMENTS FRONT-TO-BACK ADJUSTMENT (See Figs. 26 and 27) IMPORTANT: DECK MUST BE LEVEL SIDE-TO-SIDE. IF THE FOLLOWING FRONT-TO-BACK ADJUSTMENT IS NECESSARY, BE SURE TO ADJUST BOTH FRONT LINKS EQUALLY SO MOWER WILL STAY LEVEL SIDE-TOSIDE. • To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/8" to 1/2" lower than the rear when the mower is in its highest position.

Check adjustment on right side of tractor. Measure distance "D" directly in front and behind the mandrel at bottom edge of mower housing as shown. • Before making any necessary adjustments, check that both front links are equal in length. Both links should be approximately 10-3/8". • If links are not equal in length, adjust one link to same length as other link. • To lower front of mower loosen nut "E" on both front links an equal number of turns. • When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nuts "F" against trunnion on both front links. • To raise front of mower, loosen nut "F" from trunnion on both front links. Tighten nut "E" on both front links an equal number of turns. • When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nut "F" against trunnion on both front links.

• Recheck side-to-side adjustment. MANDREL Check primary idler arm and two idlers to see that they rotate freely. • Be sure spring is securely hooked to primary idler arm and bolt in mower housing. MOWER DRIVE BELT INSTALLATION (See Fig. 28) • Install belt in both idlers. Make sure belt is in both belt keepers at the idlers as shown. • Install new belt onto electric clutch pulley. • Roll belt into upper groove of L.H. mandrel pulley.

• Carefully check belt routing making sure belt is in the grooves correctly and inside belt keepers. • Reassemble L.H. mandrel cover. SCREWS IDLER L. H. PULLEYS MANDREL ELECTRIC CLUTCH PULLEY MOWER DRIVE BELT L.H. MANDREL COVER PRIMARY IDLER ARM BELT KEEPERS FIG. 28 "D" "D" TO REPLACE MOWER BLADE DRIVE BELT (See Fig.

29) Park the tractor on level surface. Engage parking brake. • Remove mower drive belt (See "TO REPLACE MOWER DRIVE BELT" in this section of this manual). • Remove mower (See "TO REMOVE MOWER" in this section of this manual). • Remove screws from R.H. mandrel cover and remove cover. Unhook spring from bolt on mower housing. • Carefully roll belt off R.H.

mandrel pulley. • Remove belt from center mandrel pulley, idler pulley, and L.H. mandrel pulley. • Remove any dirt or grass which may have accumulated around mandrels and entire upper deck surface. • Check secondary idler arm and idler to see that they rotate freely. • Be sure spring is hooked in secondary idler arm and sway-bar bracket. • Install new belt in lower groove of L.H. mandrel pulley, idler pulley, and center mandrel pulley as shown.

• Roll belt over R.H. mandrel pulley. Make sure belt is in all grooves properly. • Reconnect spring to bolt in mower housing and reinstall R. H. mandrel cover. • Reinstall mower to tractor (See "INSTALL MOWER AND DRIVE BELT" in the Assembly section of this manual). • Reassemble mower drive belt (See "TO REPLACE MOWER DRIVE BELT" in this section of this manual). FIG.

26 BOTH FRONT LINKS MUST BE EQUAL IN LENGTH NUT "E" NUT "F" TRUNNION FRONT LINKS FIG. 27 TO REPLACE MOWER DRIVE BELT MOWER DRIVE BELT REMOVAL (See Fig. 28) • Park tractor on a level surface. Engage parking brake. • Remove screws from L.H. mandrel cover and remove cover.



[You're reading an excerpt. Click here to read official HUSQVARNA YTH 1746 A user guide](http://yourpdfguides.com/dref/4739479)
<http://yourpdfguides.com/dref/4739479>

• Roll belt over the top of L.H. mandrel pulley.

• Remove belt from electric clutch pulley. • Remove belt from idler pulleys. • Remove any dirt or grass clippings which may have accumulated around mandrels and entire upper deck surface. 22 SERVICE AND ADJUSTMENTS L.H. MANDREL • MOWER BLADE DRIVE BELT CENTER MANDREL IDLER PULLEY R.H. MANDREL COVER • • Pull belt slack toward rear of tractor. Carefully remove belt upwards from transmission input pulley and over cooling fan blades. Pull belt toward front of tractor and remove downwards from around electric clutch.

Install new belt by reversing above procedure. ELECTRIC CLUTCH CLUTCH LOCATOR SECONDARY IDLER ARM SPRING SWAY-BAR BRACKET SCREW FIG. 29 TO ADJUST BRAKE (See Fig. 30) Your tractor is equipped with an adjustable brake system which is mounted on the side of the transaxle. If tractor requires more than six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted.

• Depress clutch/brake pedal and engage parking brake. • Measure distance between brake operating arm and nut "A" on brake rod. • If distance is other than 1-9/16", loosen jam nut and turn nut "A" until distance becomes 1-9/16". Retighten jam nut against nut "A". • Road test tractor for proper stopping distance as stated above.

Readjust if necessary. If stopping distance is still greater than six (6) feet in highest gear, further maintenance is necessary. Contact your nearest authorized service center/department. WITH PARKING BRAKE "ENGAGED" 1-9/16" CLUTCHING IDLER STATIONARY IDLER TRANSMISSION INPUT PULLEY CLUTCH WIRE HARNESS FIG. 31 TRANSAXLE MOTION CONTROL LEVER NEUTRAL ADJUSTMENT (See Fig. 32) The motion control lever has been preset at the factory and adjustment should not be necessary. • Loosen adjustment bolt in front of the right rear wheel, and lightly tighten. • Start engine and move motion control lever until tractor does not move forward or backward. • Hold motion control lever in that position and turn engine off. • While holding motion control lever in place, loosen the adjustment bolt.

• Move motion control lever to the neutral (N) (lock gate) position. • Tighten adjustment bolt securely. NOTE: If additional clearance is needed to get to adjustment bolt, move mower deck height to the lowest position. After above adjustment is made, if the tractor still creeps forward or backward while motion control lever is in neutral position, follow these steps: • Loosen the adjustment bolt. • Move the motion control lever 1/4 to 1/2 inch in the direction it is trying to creep. • Tighten adjustment bolt securely. • Start engine and test. • If tractor still creeps, repeat above steps until satisfied. MOTION CONTROL LEVER NEUTRAL LOCK GATE NUT "A" JAM NUT OPERATING ARM DO NOT TOUCH THIS NUT. IF FURTHER BRAKE ADJUSTMENT IS NECESSARY CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER/DEPARTMENT FIG.

30 TO REPLACE MOTION DRIVE BELT (See Fig. 31) Park the tractor on level surface. Engage parking brake. For assistance, there is a belt installation guide decal on bottom side of left footrest. • Remove mower (See "TO REMOVE MOWER" in this section of this manual.

) • Disconnect clutch wire harness. • Remove clutch locator. • Remove belt from stationary idler and clutching idler. ADJUSTMENT BOLT FIG. 32 23 SERVICE AND ADJUSTMENTS TRANSMISSION REMOVAL/REPLACEMENT Should your transmission require removal for service or replacement, it should be purged after reinstallation and before operating the tractor.

See "PURGE TRANSMISSION" in the Operation section of this manual. IMPORTANT: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUNDED SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM. DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES. TO ADJUST STEERING WHEEL ALIGNMENT If steering wheel crossbars are not horizontal (left to right) when wheels are positioned straight forward, remove steering wheel and reassemble per instructions in the Assembly section of this manual. FRONT WHEEL TOE-IN/CAMBER The front wheel toe-in and camber are not adjustable on your tractor. If damage has occurred to affect the front wheel toe-in or camber, contact your nearest authorized service center/department. TO ATTACH JUMPER CABLES • Connect each end of the RED cable to the POSITIVE (+) terminal of each battery, taking care not to short against chassis. • Connect one end of the BLACK cable to the NEGATIVE (-) terminal of fully charged battery. • Connect the other end of the BLACK cable to good CHASSIS GROUND, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER • BLACK cable first from chassis and then from the fully charged battery. • RED cable last from both batteries. POSITIVE TERMINAL NEGATIVE TERMINAL TO REMOVE WHEEL FOR REPAIRS (See Fig. 33) • • Block up axle securely. Remove axle cover, retaining ring and washers to allow wheel removal (rear wheel contains a square key - Do not lose). • Repair tire and reassemble. • On rear wheels only: align grooves in rear wheel hub and axle. Insert square key. • Replace washers and snap retaining ring securely in axle groove. • Replace axle cover.

NOTE: To seal tire punctures and prevent flat tires due to slow leaks, tire sealant may be purchased from your local parts dealer. Tire sealant also prevents tire dry rot and corrosion. WASHERS RETAINING RING CHASSIS CABLES CHARGED BATTERY POSITIVE TERMINAL NEGATIVE TERMINAL FIG. 34 AXLE COVER SQUARE KEY (REAR WHEEL ONLY) REPLACING BATTERY (See Figs. 35 and 36) CAUTION: Do not short battery terminals by allowing a wrench or any other object to contact both terminals at the same time.

Before connecting battery, remove metal bracelets, wristwatch bands, rings, etc. Positive terminal must be connected first to prevent sparking from accidental grounding. • • • Lift seat pan to raised position and open battery box door. Disconnect BLACK battery cable first then RED battery cable and carefully remove battery from tractor. Install new battery with terminals in same position as old battery.

FIG. 33 TO START ENGINE WITH A WEAK BATTERY (See Fig. 34) CAUTION: Lead-acid batteries generate explosive gases. Keep sparks, flame and smoking materials away from batteries. Always wear eye protection when around batteries. If your battery is too weak to start the engine, it should be recharged. (See "BATTERY" in the Customer Responsibilities section of this manual). If "jumper cables" are used for emergency starting, follow this procedure: 24 SERVICE AND ADJUSTMENTS • • • First connect RED battery cable to positive (+) terminal with hex bolt and keys nut as shown. Tighten securely. Connect BLACK grounding cable to negative (-) terminal with remaining hex bolt and keys nut.

Tighten securely.



[You're reading an excerpt. Click here to read official HUSQVARNA YTH 1746 A user guide](http://yourpdfguides.com/dref/4739479)
<http://yourpdfguides.com/dref/4739479>