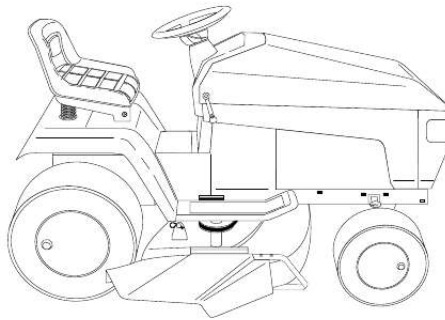




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HUSQVARNA LTH 140. You'll find the answers to all your questions on the HUSQVARNA LTH 140 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual HUSQVARNA LTH 140**  
**User guide HUSQVARNA LTH 140**  
**Operating instructions HUSQVARNA LTH 140**  
**Instructions for use HUSQVARNA LTH 140**  
**Instruction manual HUSQVARNA LTH 140**



## LTH140

**Owner's Manual**



[You're reading an excerpt. Click here to read official HUSQVARNA LTH 140 user guide](http://yourpdfguides.com/dref/4739750)  
<http://yourpdfguides.com/dref/4739750>

**Manual abstract:**

**GENERAL OPERATION III.** @@@@Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade. Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area. Never carry passengers. Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing. Be aware of the mower discharge direction and do not point it at anyone. Do not operate the mower without either the entire grass catcher or the guard in place.

Slow down before turning. Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting. Turn off blades when not mowing. Stop engine before removing grass catcher or unclogging chute.

Mow only in daylight or good artificial light. @@Watch for traffic when operating near or crossing roadways. @@@Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them. @@Be alert and turn machine off if children enter the area.

Before and when backing, look behind and down for small children. Never carry children. They may fall off and be seriously injured or interfere with safe machine operation. Never allow children to operate the machine. Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision. **IV. SERVICE** •Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive. - Use only an approved container. - Never remove gas cap or add fuel with the engine running.

Allow engine to cool before refueling. Do not smoke. - Never refuel the machine indoors. - Never store the machine or fuel container inside where there is an open flame, such as a water heater. Never run a machine inside a closed area. Keep nuts and bolts, especially blade attachment bolts, tight and keep equipment in good condition. Never tamper with safety devices. Check their proper operation regularly. Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spillage.

Allow machine to cool before storing. Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting. Never make adjustments or repairs with the engine running. Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown.

Frequently check components and replace with manufacturer's recommended parts, when necessary. Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them. Check brake operation frequently. Adjust and service as required.

••••• **II. SLOPE OPERATION** Slopes are a major factor related to loss-of-control and tipover accidents, which can result in severe injury or death. All slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it. **DO:** •Mow up and down slopes, not across. •Remove obstacles such as rocks, tree limbs, etc. •Watch for holes, ruts, or bumps. Uneven terrain could overturn the machine. Tall grass can hide obstacles. •Use slow speed.

Choose a low gear so that you will not have to stop or shift while on the slope. •Follow the manufacturer's recommendations for wheel weights or counterweights to improve stability. •Use extra care with grass catchers or other attachments. These can change the stability of the machine. •Keep all movement on the slopes slow and gradual. Do not make sudden changes in speed or direction. •Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly straight down the slope. **DO NOT:** •Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible. •Do not mow near drop-offs, ditches, or embankments.

The mower could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in. •Do not mow on wet grass. Reduced traction could cause sliding. Do not try to stabilize the machine by putting your foot on the •ground. •Do not use grass catcher on steep slopes.

••Look for this symbol to point out important safety precautions. It means **CAUTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED. CAUTION:** Always disconnect spark plug wire and place wire where it cannot contact spark plug in order to prevent accidental starting when setting up, transporting, adjusting or making repairs. **2 CONGRATULATIONS** on your purchase of a new tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact your nearest authorized service center. We have competent, well-trained technicians and the proper tools to service or repair this tractor. Please read and retain this manual. The instructions will enable you to assemble and maintain your tractor properly. Always observe the "SAFETY RULES". **MODEL NUMBER PRODUCT SPECIFICATIONS HORSEPOWER: GASOLINE CAPACITY AND TYPE: OIL TYPE (API-SF/SG): OIL CAPACITY: SPARK PLUG: (GAP: .030") VALVE CLEARANCE: GROUND SPEED (MPH): TIRE PRESSURE: 14.0 5 QUARTS UNLEADED REGULAR SAE 10W30 (above 32°F) SAE 5W-30 (below 32°F) W/FILTER: 4.0 PINTS W/O FILTER: 3.5 PINTS CHAMPION RC12YC INTAKE: .**

0015" - .0030" EXHAUST: .0020" - .0035" FORWARD: 5.4 REVERSE: 2.2 FRONT: 14 PSI REAR: 10 PSI 15 AMPS @3600 RPM 30-35 FT. LBS. LTH140 SERIAL NUMBER \_\_\_\_\_ DATE OF PURCHASE \_\_\_\_\_ THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A PLATE UNDER THE SEAT. YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE. CHARGING SYSTEM: BLADE BOLT TORQUE: CUSTOMER RESPONSIBILITIES •••Read and observe the safety rules.

Follow a regular schedule in maintaining, caring for and using your tractor. Follow the instructions under "Customer Responsibilities" and "Storage" sections of this manual. **WARNING:** This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. A spark arrester for the muffler is available through your nearest authorized service center/department (See REPAIR PARTS section of this manual).

**3 TABLE OF CONTENTS SAFETY RULES .....**

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

.....  
2 PRODUCT SPECIFICATIONS .....

.....

.....

.....

.....

... 3 CUSTOMER RESPONSIBILITIES .....

.....

.... 3, 14-18 ASSEMBLY .

.....

.....

.....

.....

.....

.....

.....

.....

.. 7-9 OPERATION ...

.....

.....

.....

.....

.....

.....

.....

10-13 MAINTENANCE SCHEDULE .....

.....

.....

.....

.....

.. 14 SERVICE AND ADJUSTMENTS .....

.....

.....

.... 19-25 STORAGE .

.....

.....

.....

.....

.....

.....

.....

.....

..... 26 TROUBLESHOOTING ....

.....

.....

.....

.....

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

.....

.....

.....

.....

. 29-48 WARRANTY ....

.....



.

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

... 24 Clutch .....

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

.....  
.....

21 Mower: Front-To-Back .....

.....

..... 20 Side-To-Side .

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

..... 20 Throttle Control Cable .....

.....  
.....

..24 Air Filter, Engine .....

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

..... 18 Assembly .....

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

..... 7-9 Electrical: Interlocks and Relays ..

.....  
.....

..... 24 Schematic .....

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

. 29 Wiring Diagram .....

.....  
.....

..... 30 Engine: Air Filter ..

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

..... 18 Air Screen ...

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

.. 18 Cooling Fins ...

.....  
.....

.....  
.... 18 Oil Change .

.....  
.....

.....  
.....  
... 17 Oil Level ..

.....

.....  
.....  
.....  
. 12,16 Oil Type .....

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

17 Preparation .....

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

... 12 Starting .....

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

.....  
... 13 Storage ..

.....  
.....

.....  
.....  
.....  
.. 26 Operation .....

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

10-13 Operating Mower .....

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

..12 P Parking Brake .....

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

.... 10-11 Parts Bag .....

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

.....  
.....  
.... 6 Parts, Replacement/Repair .

.....

28-48 Product Specifications.....

.....

.....  
.....3 R Repair Parts ...

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

. 28-45 B Battery: Charging .....

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

.....  
8 Cleaning .....

.....  
.....

.....  
... 16 Installation ..

.....

.....  
.....  
.....  
..... 9 Levels .....

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

.... 8,16 Preparation .....

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

..... 8 Starting with Weak Battery .

.....

.... 23 Storage .

.....

.....  
.....  
.....  
..... 26 Terminals ..

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

.... 16 Belt: Motion Drive Removal/Replacement .....

.....

22 Mower Blade Drive Removal/Replacement .....

..... 21 Blade: Sharpening ....

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

15 Replacement .....

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

. 15 Brake Adjustment .....

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

.. 21 S Safety Rules .....

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

... 2 Seat ..

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

..... 8 Service and Adjustments ...

.....  
.....

. 19-25 Carburetor .....

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

..... 24 Fuse ....

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

24 Hood Removal/Installation .....

.....

24 Motion Drive Belt Removal/Replacement .....

. 22 Mower Blade Drive Belt Removal/Replacement .....

.. 21 Mower Adjustment: Front- to-Back ...

.....  
.....

..... 20 Side-to-Side ....

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

... 20 Mower Removal .....

.....  
.....

..... 19 Tire Care .

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

..... 8,15,23 Slope Guide Sheet ..

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

..... 51 Spark Plugs ...

.....



.....  
.....  
.....  
..... 18 Specifications ...

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

. 3 Starting the Engine ....  
.....

.....  
.... 13 Steering Wheel .  
.....  
.....

.....  
.....  
. 7,23 Stopping the Tractor ....  
.....

.....  
... 11 Storage ..  
.....  
.....

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

26 F Filter: Air Filter .....  
.....  
.....  
.....

..... 18 Fuel .  
.....  
.....  
.....

.....  
.....  
.....  
.... 18 Fuel: Type .....

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

..... 12 Storage ..  
.....  
.....  
.....

.....  
.....  
.. 26 Fuse ...  
.....

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

.....

..... 24 H Hood Removal/Installation ..

.....

.....

..... 24 L Leveling Mower Deck .....

.....

.....

.....

20 Lubrication Chart .....

.....

.....

.....

.. 14 C Carburetor Adjustment .....

.....

.....

.....

24 Controls, Tractor .....

.....

.....

.....

.. 10 Customer Responsibilities ...

.....

.....

14-18 Engine: Air Filter .....

.....

.....

.....

..... 18 Air Screen .....

.....

.....

.....

..... 18 Battery ....

.....

.....

.....

.....

... 16 Engine Oil ..

.....

.....

.....

..... 17 Fuel Filter .

.....

.....

.....

.....

. 18 Spark Plugs ....

.....

.....

.....

18 Tractor: Blade .....

.....

.....

.....

.....

..... 15 Lubrication Chart .....

.....  
.....  
14 Maintenance Schedule .....  
..... 14 Tire Care ....

.....  
.....  
.....  
. 8,15,23 Cutting Height, Mower .....

.....  
.....  
11 M Maintenance Schedule .....

..... 14 Mower: Adjustment, Front-to-Back ...

.....  
.. 20 Adjustment, Side-to-Side ...  
..... 20 Blade Sharpening .

.....  
.....  
.....  
.. 15 Blade Replacement .....

.....  
... 15 Cutting Height ..  
.....  
.....

.. hands or clothing immediately if accidentally in contact with battery acid. Do not smoke. Fumes from charged battery acid are explosive.

Read the instructions included with the battery vent caps. Always wear gloves, clothing and goggles to protect your hands, skin and eyes. Your tractor has a battery charging system which is sufficient for normal use. However, periodic charging of the battery with an automotive charger will extend its life. • See instructions packed with vent caps in parts bag.

• Fill battery with acid. Fill each cell until it reaches the boFig. 6) NOTE: For ease of assembly, you may wish to obtain the assistance of another person for mounting bumper to tractor. • Press or tap the end caps into ends of bumper tube. • Slide reinforcement plates inside flattened ends of bumper and align holes in plates with slots in bumper as shown. • With plate and bumper holes aligned, set bumper on ground in front of tractor and align the end holes in bumper with the rear holes in tractor chassis. On both sides of chassis loosely install carriage bolt, washer and locknut. Do not tighten. • Pivot bumper upwards to align holes with forward chassis holes and install carriage bolt, washer and locknut to both sides of chassis. • Tighten all four (4) locknuts securely.

REINFORCEMENT PLATE POSITIVE (RED) CABLE NEGATIVE (BLACK) CABLE CARRIAGE BOLT LOCK WASHER HEX NUT FLAT WASHER HEX BOLT BUMPER END CAP Install Rear Hardware First Then Pivot Upwards POSITIVE (+) TERMINAL NEGATIVE (-) TERMINAL WASHER LOCKNUT FIG. 4 8 FIG. 6 ASSEMBLY ASSEMBLE GAUGE WHEELS TO MOWER DECK (See Fig. 7) Assemble gauge wheels with tractor on a flat level surface. • Adjust mower to desired cutting height (See "TO ADJUST MOWER CUTTING HEIGHT" in the Operation section of this manual). • With mower in desired height of cut position, gauge wheels should be assembled so they are slightly off the ground. Install gauge wheel in appropriate hole with shoulder bolt, 17/32 washer, 3/8 washer, and 3/8-16 locknut and tighten securely. • Repeat for opposite side installing gauge wheel in same adjustment hole. GAUGE WHEEL MOUNTING BRACKET 3/8-16 LOCKNUT 3/8 WASHER GAUGE WHEEL DEFLECTOR SHIELD LATCH HOOKS FIG. 8B CAUTION: Do not remove discharge guard from mower.

Raise and hold guard when attaching mulcher plate and allow it to rest on plate while in operation. TO CONVERT TO BAGGING OR DISCHARGING Simply remove mulcher plate and store in a safe place. Your mower is now ready for discharging or installation of optional grass catcher accessory. 17/32 WASHER SHOULDER BOLT  CHECKLIST 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:  All assembly instructions have been completed.

No remaining loose parts in carton.  Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).  Seat is adjusted comfortably and tightened securely.  All tires are properly inflated.

(For shipping purposes, the tires were overinflated at the factory).  Be sure mower deck is properly leveled side-to-side/ front-to-rear for best cutting results. (Tires must be properly inflated for leveling).  Check mower and drive belts. Be sure they are routed properly around pulleys and inside all belt keepers.

Check wiring. See that all connections are still secure and wires are properly clamped.  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:  Engine oil is at proper level.  Fuel tank is filled with fresh, clean, regular unleaded gasoline.

Become familiar with all controls - their location and function. Operate them before you start the engine.  Be sure brake system is in safe operating condition.  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 Operation section of this manual). FIG. 7 INSTALL MULCHER PLATE (See Figs. 8A & 8B) • Install two latch hooks to mulcher plate using screw, washer, lock washer, and weld nut as shown. NOTE: Pre-assemble weld nut to latch hook by inserting weld nut from the top with hook pointing down. • Tighten hardware securely.

• 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. WELD NUT FROM THE TOP LOCK WASHER WELD NUT LATCH HOOK SCREW HOOK POINTS DOWN LATCH HOOK LOCK WASHER WELD NUT WASHER SCREW WASHER MULCHER PLATE FIG. 8A 9 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. AMMETER ATTACHMENT CLUTCH SWITCH THROTTLE/CHOKE CONTROL LIFT LEVER PLUNGER LIGHT SWITCH CLUTCH/BRAKE PEDAL IGNITION SWITCH ATTACHMENT LIFT LEVER PARKING BRAKE MOTION CONTROL LEVER FREEWHEEL CONTROL HEIGHT ADJUSTMENT KNOB FIG.



[You're reading an excerpt. Click here to read official HUSQVARNA LTH 140 user guide](http://yourpdfguides.com/dref/4739750)  
<http://yourpdfguides.com/dref/4739750>

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.

THROTTLE/CHOKE CONTROL: Used for starting and controlling engine speed. CLUTCH/BRAKE PEDAL: Used for declutching and braking the tractor and starting the engine. PARKING BRAKE: Locks clutch/brake pedal into the brake position. HEIGHT ADJUSTMENT KNOB - Used to adjust the mower height. MOTION CONTROL LEVER: Selects the speed and direction of tractor. ATTACHMENT LIFT LEVER: Used to raise and lower 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. AMMETER: Indicates charging (+) or discharging (-) of battery. LIGHT SWITCH: Turns the headlights on and off.

FREEWHEEL CONTROL: Disengages transmission for pushing or slowly towing the tractor with the engine off. 10 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 wide vision safety mask for over the spectacles or standard safety glasses. 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. PUSH IN TO "DISENGAGED" ATTACHMENT CLUTCH SWITCH PULL OUT TO "ENGAGED" THROTTLE/CHOKE CONTROL LEVER PARKING BRAKE "ENGAGED" POSITION IGNITION KEY "BRAKE" POSITION "DISENGAGED" POSITION MOTION CONTROL LEVER • 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. NOTE: Under certain conditions when unit 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. TO MOVE FORWARD AND BACKWARD (See Fig. 10) The direction and speed of movement is controlled by the motion control lever. •Start tractor with clutch/brake pedal depressed and motion control lever in neutral (N) position. •Release parking brake and clutch/pedal. •Slowly move motion control lever to desired position. CLUTCH/BRAKE PEDAL "DRIVE" POSITION HEIGHT ADJUSTMENT KNOB FIG. 10 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. STOPPING (See Fig. 10) MOWER BLADES •Move attachment clutch switch to "DISENGAGED" position.

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".

11 OPERATION TO OPERATE MOWER (See Fig. 11) Your tractor is equipped with an operator presence sensing switch. Any attempt by the operator to leave the seat with the engine running and the mower 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 discharge guard in place. ATTACHMENT CLUTCH SWITCH PULL OUT TO "ENGAGED" ATTACHMENT LIFT LEVER HIGH POSITION LOW POSITION 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 knob out and hold in position by inserting retainer spring into forward hole of control rod. •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.). FIG. 12 ATTACHMENT CLUTCH SWITCH PUSH IN TO "DISENGAGED" DISCHARGE GUARD BEFORE STARTING THE ENGINE CHECK ENGINE OIL LEVEL (See Fig. 17) ••• 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. Unthread and remove oil fill cap/dipstick; wipe oil off.

Reinsert the dipstick into the tube and rest oil fill cap on the tube. Do not thread the cap onto the tube. 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. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life).



[You're reading an excerpt. Click here to read official HUSQVARNA LTH 140 user guide](http://yourpdfguides.com/dref/4739750)  
<http://yourpdfguides.com/dref/4739750>

**FIG. 11 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. •• **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. IMPORTANT: THE MOTION CONTROL LEVER DOES NOT RETURN TO NEUTRAL (N) POSITION WHEN THE CLUTCH/BRAKE PEDAL IS DEPRESSED. WARNING:** Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of • To restart movement, slowly release parking brake and acids during storage. Acidic gas can damage the fuel clutch/brake pedal. system of an engine while in storage. To avoid engine • Slowly move motion control lever to slowest setting.

problems, the fuel system should be emptied before stor• Make all turns slowly. age 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 Instruc**TO TRANSPORT** (See Fig. 12) tions for additional information. Never use engine or When pushing or towing your tractor, be sure to disengage carburetor cleaner products in the fuel tank or permanent transmission by placing freewheel control in freewheeling 12 damage may occur. **OPERATION 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. **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. • 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. **TO START ENGINE** (See Fig. 10) When starting engine for the first time or if engine has run out of fuel, it will take extra cranking time to move fuel from the tank to the engine. • 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 lever to choke ( ) position for cold engine start. For warm engine start, move throttle control to fast ( ) position.

• 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 engine does not start after several attempts, move throttle control to fast ( ) position, wait a few minutes and try again. • When engine starts, slowly move throttle control lever to desired running speed. • Allow engine to warm up for a few minutes before engaging drive or attachments. **IMPORTANT: COLD STARTING FOR HYDRO (BELOW 40°F) - AFTER STARTING ENGINE AND BEFORE DRIVING, LET TRANSMISSION WARM UP FOR ONE (1) MINUTE BY PLACING MOTION CONTROL LEVER IN NEUTRAL (N) POSITION AND RELEASING CLUTCH/ BRAKE PEDAL. MOWING TIPS •••••** Tire chains cannot be used when the mower housing is attached to tractor. 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.

13). 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. **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. • **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.**

••••••• 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). 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 13 procedure three (3) times. **FIG. 13 CUSTOMER RESPONSIBILITIES MAINTENANCE SCHEDULE FILL IN DATES AS YOU COMPLETE REGULAR SERVICE** Check Brake Operation Check Tire Pressure E S E S RS AG US N UR S UR OU HOU HO ASO TOR CH OUR O H A 0 S 8H SE 25 50 10 E EE 2H RY ERY ERY ERY RY OR OR ST F R VE BEF VE V V V SERVICE E FI E E E BE DATES T R A C T 0 R Check for Loose Fasteners Sharpen/Replace Mower Blades Lubrication Chart Check Battery Level/Recharge 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 6 4 7 5 5 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.



[You're reading an excerpt. Click here to read official HUSQVARNA LTH 140 user guide](http://yourpdfguides.com/dref/4739750)  
<http://yourpdfguides.com/dref/4739750>



- 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. **LUBRICATION CHART** 2 SPINDLE ZERK SPINDLE ZERK 2 2 FRONT WHEEL BEARING ZERK FRONT WHEEL 2 BEARING ZERK ENGINE 3 1 ATTACHMENT CLUTCH PIVOT(S) BEFORE EACH USE •••• Check engine oil level. Check brake operation. Check tire pressure. Check for loose fasteners. 1 SAE 30 OR 10W30 MOTOR OIL 2 GENERAL PURPOSE GREASE 3 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.** 14 CUSTOMER RESPONSIBILITIES TRACTOR Always observe safety rules when performing any maintenance. TO SHARPEN BLADE (See Fig. 15) 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).

- 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. NOTE: Do not use a nail for balancing blade. The lobes of the center hole may appear to be centered, but are not.

**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). **TIRES** ••• Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" on page 3 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.

**BLADE CARE** For best results mower blades must be kept sharp. Replace bent or damaged blades. **CENTER HOLE BLADE REMOVAL** (See Fig. 14) ••••• Raise mower to highest position to allow access to blades. Remove hex bolt, lock washer and flat washer securing blade. Install new or resharpened blade with trailing edge up towards deck as shown. Reassemble hex bolt, lock washer and flat washer in exact order as shown. Tighten bolt securely (30-35 Ft. Lbs. torque).

**BLADE 5/8" BOLT OR PIN IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED. BLADE MANDREL ASSEMBLY FIG. 15 TRAILING EDGE FLAT WASHER LOCK WASHER HEX BOLT (GRADE 8)\* \*A GRADE 8 HEAT TREATED BOLT CAN BE IDENTIFIED BY SIX LINES ON THE BOLT HEAD.**

**FIG. 14 15 CUSTOMER RESPONSIBILITIES BATTERY** (See Fig. 16) Your tractor has a battery charging system which is sufficient for normal use.

However, periodic charging of the battery with an automotive charger will extend its life. • Acid solution level in each battery cell should be even with bottoms of vent wells. Add only distilled or iron free water if necessary. Do not overfill.

- Keep battery and terminals clean. • Keep battery bolts tight. • Keep vent caps tight and small vent holes in caps open. • Recharge at 6 amperes for 1 hour. TO CLEAN BATTERY AND TERMINALS Corrosion and dirt on the battery and terminals can cause the battery to "leak" power.

- Open battery box door. • Disconnect BLACK battery cable first then RED battery cable and remove battery from tractor. • Wash battery with solution of four tablespoons of baking soda to one gallon of water. Be careful not to get the soda solution into the cells. • 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. • Reinstall battery (See "INSTALL BATTERY" in the Assembly section of this manual). **TRANSAXLE COOLING** The fan and cooling fins of transmission should be kept clean to assure proper cooling. Do not attempt to clean fan or transmission while engine is running or while the transmission is hot. • Inspect cooling fan to be sure fan blades are intact and clean. • Inspect cooling fins for dirt, grass clippings and other materials. @@@@The belts are not adjustable. @@@@TO CHANGE ENGINE OIL (See Fig. 17) Determine temperature range expected before oil change.

All oil must meet API service classification SF or SG. • Be sure vehicle is on level surface. • Oil will drain more freely when warm. • Catch oil in a suitable container. • Remove oil fill dipstick. Be careful not to allow dirt to enter the engine when changing oil. • Remove drain plug. @@• Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill.

@@• Use gauge on oil fill dipstick for checking level. Insert dipstick into the tube and rest the oil fill cap on the tube. Do not thread the cap onto the tube when taking reading. Keep oil at "FULL" line on dipstick. @@17 AIR FILTER (See Fig.

17) Your engine will not run properly using a dirty air filter. @@@@Service air cleaner more often under dusty conditions. • Remove knob and cover. • Remove wing nut and air cleaner from base. 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. @@@@Replace a dirty, bent, or damaged cartridge. @@@@Clean the cooling fins and external surfaces as necessary. Make sure the cooling shrouds are reinstalled. @@@@19) The fuel filter should be replaced once each season. @@• With engine cool, remove filter and plug fuel line sections.



**You're reading an excerpt. Click here to read official HUSQVARNA LTH 140 user guide**  
<http://yourpdfguides.com/dref/4739750>





29) The motion control lever has been preset at the factory and adjustment should not be necessary.

If for any reason the motion control lever will not hold its position while at a selected speed, it may be adjusted at the friction pack located on the right side of transmission. • Park tractor on level surface. Stop tractor by turning ignition key to "OFF" position, and engage parking brake. • Adjust motion control lever by tightening adjustment locknut one half (1/2) turn. NOTE: If for any reason the effort to move the motion control lever becomes too excessive, reverse the above adjustment procedure by loosening locknut 1/4 to 1/2 turn.

Road test tractor after adjustment and repeat procedure if necessary. **ADJUSTMENT LOCKNUT FIG. 29 INPUT PULLEY CLUTCH WIRE HARNESS TRANSMISSION REMOVAL/REPLACEMENT** Should your transmission require removal for service or replacement, it should be purged after reinstallation before operating the tractor. See "PURGE TRANSMISSION" in Operation section of this manual. **FIG. 28 22 SERVICE AND ADJUSTMENTS 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. **TO START ENGINE WITH A WEAK BATTERY (See Fig. 31) 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. If "jumper cables" are used for emergency starting, follow this procedure: **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 ATTACH JUMPER CABLES - 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. **TO REMOVE WHEEL FOR REPAIRS (See Fig. 30) • 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. ••••• 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 a 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 WASHERS RETAINING RING AXLE COVER SQUARE KEY (REAR WHEEL ONLY) FIG.**

**30 CHASSIS CABLES CHARGED BATTERY POSITIVE TERMINAL NEGATIVE TERMINAL FIG. 31 23 SERVICE AND ADJUSTMENTS TO REPLACE FUSE** Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located in the engine compartment, directly in front of the dash. **ENGINE TO ADJUST THROTTLE CONTROL CABLE (See Fig. 33)** The throttle control has been preset at the factory and adjustment should not be necessary. Check adjustment as described below before loosening cable. If adjustment is necessary, proceed as follows: • With engine not running, move throttle control lever from slow ( ) to choke ( ) position. Slowly move lever from choke ( ) to fast ( ) position. • Check to see if hole in throttle lever and hole in speed control bracket are aligned. • If holes are not aligned, loosen cable clamp screw and align the holes by inserting a pencil or a 1/4" drill bit through both holes.

• Pull throttle cable up to remove slack and tighten cable clamp screw. Remove alignment pencil or drill bit. **TO REPLACE HEADLIGHT BULB ••••** Raise hood. Pull bulb holder out of the hole in the backside of the grill. Replace bulb in holder and push bulb holder securely back into the hole in the backside of the grill. Close hood. **INTERLOCKS AND RELAYS** Loose or damaged wiring may cause your tractor to run poorly, stop running or prevent it from starting. • Check wiring. See the electrical wiring diagram in the Repair Parts section of this manual. **TO REMOVE HOOD AND GRILL ASSEMBLY (See Fig. 32) ••••** Lift hood. Disconnect headlight wiring connection. Remove wingnut at rear of each side panel. Remove retainer springs from hood pivot brackets.

Pivot hood and side panel forward and lift off tractor.

To replace, reverse above procedure. **CABLE CLAMP SCREW SPEED CONTROL BRACKET WINGNUT THROTTLE LEVER FIG. 33 HEADLIGHT WIRING CONNECTION FIG. 32 24 SERVICE AND ADJUSTMENTS TO ADJUST CARBURETOR (See Fig. 34)** The carburetor has been preset at the factory and adjustment should not be necessary.

However, minor adjustment may be required to compensate for differences in fuel, temperature, altitude or load. If the carburetor does need adjustment, proceed as follows: In general, turning the adjusting needles in (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the adjusting needles out (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/air mixture. **IMPORTANT: DAMAGE TO THE NEEDLES AND THE SEATS IN CARBURETOR MAY RESULT IF NEEDLE IS TURNED IN TOO TIGHT. IDLE SPEED ADJUSTING SCREW PRELIMINARY SETTING** • Be sure you have a clean air filter and the throttle control cable is adjusted properly (see above). • With engine off turn idle fuel adjusting needle in (clockwise) closing it finger tight and then turn out (counterclockwise) 1 turn. **FINAL SETTING** • Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in neutral (N) position. • Idle speed setting - With throttle control lever in slow ( ) position, engine should idle at 1750 RPM. If engine idles too slow or fast, turn idle speed adjusting screw in or out until correct idle is attained.

• Idle fuel needle setting - With throttle control lever in slow ( ) position, turn idle fuel adjusting needle in (clockwise) until engine begins to die and then turn out (counterclockwise) approximately 1/8 to 1/4 turn to obtain best low speed performance. • Recheck idle speed. Readjust if necessary. **ACCELERATION TEST** • Move throttle control lever from slow ( ) to fast ( ) position. If engine hesitates or dies, turn idle fuel adjusting needle out (counterclockwise) 1/8 turn. Repeat test and continue to adjust, if necessary, until engine accelerates smoothly. High speed stop is factory adjusted. Do not adjust damage may result.



[You're reading an excerpt. Click here to read official HUSQVARNA](http://yourpdfguides.com/dref/4739750)

[LTH 140 user guide](http://yourpdfguides.com/dref/4739750)

<http://yourpdfguides.com/dref/4739750>

**IMPORTANT: NEVER TAMPER WITH THE ENGINE GOVERNOR, WHICH IS FACTORY SET FOR PROPER ENGINE SPEED. OVERSPEEDING THE ENGINE ABOVE THE FACTORY HIGH SPEED SETTING CAN BE DANGEROUS.**

**IF YOU THINK THE ENGINE-GOVERNED HIGH SPEED NEEDS ADJUSTING, CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER/DEPARTMENT, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS. IDLE FUEL ADJUSTING NEEDLE FIG. 34 25 STORAGE** Immediately prepare your tractor for storage at the end of the season or if the tractor will not be used for 30 days or more. **CAUTION:** Never store the tractor 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.

**ENGINE FUEL SYSTEM IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, 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. 00001 TRACTOR** Remove mower from tractor for winter storage. When mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area. • Clean entire tractor (See "CLEANING" in the Customer Responsibilities section of this manual). • Inspect and replace belts, if necessary (See belt replacement instructions in the Service and Adjustments section of this manual). • Lubricate as shown in the Customer Responsibilities section of this manual. • Be sure that all nuts, bolts and screws are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary. • Touch up all rusted or chipped paint surfaces; sand lightly before painting. • • Drain the fuel tank. Start the engine and let it run until the fuel lines and carburetor are empty.

• Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur. • Use fresh fuel next season. **NOTE:** Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow the mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow the stabilizer to reach the carburetor. Do not drain the gas tank and carburetor if using fuel stabilizer. **ENGINE OIL** Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Customer Responsibilities section of this manual). **BATTERY** • • • Fully charge the battery for storage.

After a period of time in storage, battery may require recharging. To help prevent corrosion and power leakage during long periods of storage, battery cables should be disconnected and battery cleaned thoroughly (see "TO CLEAN BATTERY AND TERMINALS" in the Customer Responsibilities section of this manual). After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals. Be sure battery drain tube is securely attached. If battery is removed from tractor for storage, do not store battery directly on concrete or damp surfaces.

**CYLINDERS** • • • Remove spark plug(s). Pour one ounce of oil through spark plug hole(s) into cylinder(s). Turn ignition key to "START" position for a few seconds to distribute oil. Replace with new spark plug(s). • **OTHER** • • • Do not store gasoline from one season to another.

Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems. If possible, store your tractor indoors and cover it to give protection from dust and dirt. Cover your tractor with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and will cause your tractor to rust. • • **IMPORTANT: NEVER COVER TRACTOR WHILE ENGINE AND EXHAUST AREAS ARE STILL WARM. 26 TROUBLESHOOTING POINTS PROBLEM** Will not start **CAUSE** 1. 2. 3.

4. 5. 6. 7. 8. 9. 10. Out of fuel. Engine not "CHOKED" properly. Engine flooded.  
Bad spark plug. Dirty air filter. Dirty fuel filter. Water in fuel. Loose or damaged wiring.  
Carburetor out of adjustment. Engine valves out of adjustment. **CORRECTION** 1. 2. 3.

4. 5. 6. 7. 8. 9. 10. Fill fuel tank. See "TO START ENGINE" in Operation section. Wait several minutes before attempting to start.

Replace spark plug. Clean/replace air filter. Replace fuel filter. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. Check all wiring. Contact an authorized service center/department. Contact an authorized service center/department. Hard to start 1. 2. 3.

4. 5. 6. 7. 8.

Dirty air filter. Bad spark plug. Weak or dead battery. Dirty fuel filter. Stale or dirty fuel.  
Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 1. 2. 3. 4. 5. 6. 7.

8. Clean/replace air filter. Replace spark plug. Recharge or replace battery. Replace fuel filter. Drain fuel tank and refill with fresh gasoline. Check all wiring. Contact an authorized service center/department. Contact an authorized service center/department. Engine will not turn over 1.

2. 3. 4. 5. 6.

7. 8. 9. Clutch/brake pedal not depressed. Attachment clutch is engaged.

Weak or dead battery. Blown fuse. Corroded battery terminals. Loose or damaged wiring. Faulty ignition switch. Faulty solenoid or starter. Faulty operator presence switch(es). 1. 2. 3.

4. 5. 6. 7. 8. 9. Depress clutch/brake pedal. Disengage attachment clutch. Recharge or replace battery. Replace fuse.

Clean battery terminals. Check all wiring. Check/replace ignition switch. Check/replace solenoid or starter. Contact an authorized service center/department.  
Engine clicks but will not start 1. 2. 3. 4. Weak or dead battery.

Corroded battery terminals. Loose or damaged wiring. Faulty solenoid or starter. 1. 2. 3. 4. Recharge or replace battery. Clean battery terminals. Check all wiring.

Check/replace solenoid or starter. Loss of power 1. 2. 3. 4. 5. 6. 7. 8. 9.  
10. 11. 12. 13. 14.

15. Cutting too much grass/too fast. Throttle in "CHOKE" position. Build-up of grass, leaves and trash under mower. Dirty air filter.

Low oil level/dirty oil. Faulty spark plug. Dirty fuel filter. Stale or dirty fuel. Water in fuel. Spark plug wire loose. Dirty engine air screen/fins. Dirty/clogged muffler. Loose or damaged wiring. Carburetor out of adjustment.

Engine valves out of adjustment. 1. 2. 3. 4. 5. 6. 7. 8. 9.  
10. 11. 12. 13. 14.

15. Set in "Higher Cut" position/reduce speed. Adjust throttle control. Clean underside of mower housing. Clean/replace air filter.

*Check oil level/change oil. Clean and regap or change spark plug. Replace fuel filter. Drain fuel tank and refill with fresh gasoline. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter.*



[You're reading an excerpt. Click here to read official HUSQVARNA LTH 140 user guide](http://yourpdfguides.com/dref/4739750)

<http://yourpdfguides.com/dref/4739750>

Connect and tighten spark plug wire. Clean engine air screen/fins. Clean/replace muffler. Check all wiring. Contact an authorized service center/department.

Contact an authorized service center/department. Excessive vibration 1. 2. 3. Worn, bent or loose blade. Bent blade mandrel. Loose/damaged part(s). 1. 2. 3. Replace blade. Tighten blade bolt. Replace blade mandrel. Tighten loose part(s). Replace damaged parts.

27 TROUBLESHOOTING POINTS PROBLEM Engine continues to run when operator leaves seat with attachment clutch engaged CAUSE 1. Faulty operator safety presence control system. CORRECTION 1. Check wiring, switches and connections. If not corrected, contact an authorized service center/ department. Poor cut - uneven 1. 2. 3. 4. 5. Worn, bent or loose blade. Mower deck not level. Buildup of grass, leaves, and trash under mower. Bent blade mandrel. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.

1. 2. 3. 4. 5. Replace blade. Tighten blade bolt. Level mower deck. Clean underside of mower housing. Replace blade mandrel. Clean around mandrels to open vent holes. Mower blades will not rotate 1. 2. 3. 4. Obstruction in clutch mechanism. Worn/damaged mower drive belt. Frozen idler pulley. Frozen blade mandrel. 1. 2. 3. 4. Remove obstruction. Replace mower drive belt. Replace idler pulley. Replace blade mandrel. Poor grass discharge 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. Engine speed too slow. Travel speed too fast. Wet grass. Mower deck not level. Low/uneven tire air pressure. Worn, bent or loose blade. Buildup of grass, leaves and trash under mower. Mower drive belt worn. Blades improperly installed. Improper blades used. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.

Place throttle control in "FAST" position. Shift to slower speed. Allow grass to dry before mowing. Level mower deck. Check tires for proper air pressure. Replace/sharpen blade. Tighten blade bolt. Clean underside of mower housing. Replace mower drive belt. Reinstall blades sharp edge down. Replace with blades listed in this manual. Clean around mandrels to open vent holes. Headlight(s) not working (if so equipped) 1. 2. 3. 4. 5. Switch is "OFF". Bulb(s) burned out. Faulty light switch. Loose or damaged wiring. Blown fuse. 1. 2. 3. 4. 5. Turn switch "ON". Replace bulb(s). Check/replace light switch.

Check wiring and connections. Replace fuse. Battery will not charge 1. 2. 3. 4. Bad battery cell(s). Poor cable connections. Faulty regulator (if so equipped). Faulty alternator. 1. 2. 3. 4. Replace battery. Check/clean all connections. Replace regulator. Replace alternator. Loss of drive 1. 2.

3. Freewheel control in "disengaged" position. Motion drive belt worn, damaged, or broken. Air trapped in transmission during shipment or servicing. 1. 2. 3. Place freewheel control in "engaged" position. Replace motion drive belt. Purge transmission.

Engine "backfires" when turning engine "OFF" 1. Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine. 1. Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine. 28 01613 - (WH#140421) 14 HP 42" TRACTOR - MODEL NO. LTH140 (954001192A) SCHEMATIC RED BLACK BATTERY FUSE 30 AMP. A AMMETER WHITE WHITE RED RED RED M STARTER BLACK C G WHITE RED S B G BLACK M L CLUTCH / BRAKE (PEDAL UP) RED F B RED SOLENOID ELECTRIC CLUTCH BLACK E IGNITION SWITCH BLACK A SEAT SWITCH (NOT OCCUPIED) BLACK D PTO (DISENGAGED) BLUE GROUNDING CONNECTOR AFTER FIRE SOLENOID BLACK IGNITION UNIT CHARGING SYSTEM OUTPUT 15 AMP DC @ 3600 RPM SPARK PLUG RED REGULATOR YELLOW ALTERNATOR 28 VOLTS AC @ 3600 RPM (REGULATOR DISCONNECTED) ORANGE BROWN BLACK S M L B G NON-REMOVABLE CONNECTIONS IGNITION SWITCH POSITION OFF ON START CIRCUIT M+G B+L B+S+L HEADLIGHT SWITCH (OFF) HEADLIGHTS G F C REMOVABLE CONNECTIONS E D POSITION OFF ON B A CIRCUIT C+G C + F, B + E, A + D WIRING INSULATED CLIPS NOTE: IF WIRING INSULATED CLIPS WERE REMOVED FOR SERVICING OF UNIT, THEY SHOULD BE REPLACED TO PROPERLY SECURE YOUR WIRING PTO SWITCH 29 REPAIR PARTS 14 HP 42" TRACTOR - MODEL NO. 954001192A ELECTRICAL 22 23 21 41 42 24 70 44 43 44 40 140426 19 19 20 25 8 33 34 32 31 30 20 26 45 D.C. A MP ER ES 5 9 7 2 1 3 4 6 51 46 36 38 39 36 50 BATTERY BOX WITH LID 29 28 Comm.

Harn. 140421 30 REPAIR PARTS 14 HP 42" TRACTOR - MODEL NO. 954001192A ELECTRICAL KEY NO. 1 2 3 4 5 6 7 8 9 19 20 21 22 23 24 25 26 28 29 30 31 32 33 34 35 36 39 40 41 42 43 44 45 46 50 51 70 PART NO. DESCRIPTION Battery 12 Volt 30 Amp Bolt Hex Hd 1/4-20unc X 3/4 Washer 9/32 X 5/8 X 16 Ga Washer Lock Hvy Helical 1/4 Caps Battery 20/25/30 Amp Nut Fin Hex 1/4-20 Unc Tube Plastic 12" Case Battery Clamp Hose Olive Washer Lock 1/4 Nut Jam Hex 1/4-20 Unc Harness Socket Light Bulb, Light # 1156 Washer, Lock Int.

Tooth 1/4 Cable Battery 6ga 22" red Cable Battery 6ga 39" Red Fuse 30 Amp Auto Green Cable Ground 6ga 12"black Switch Plunger Nc Gray Switch Ign 3 pos Nut Ignition Cover Sw Key Key Ign Molded Generic Switch Light Blk Blk Red Bracket Switch Clutch Screw Hex Tapping # 10-24 X 1/2 Switch Interlock Clutch Harness Ign Kohl Fend Hl Amm Bolt Fin Hex 1/4-20uncx1/2 Gr5 Cover Terminal Red Solenoid Nut Keps Hex 1/4-20 Unc Ammeter Rectangular Protection Wire Loop Swtitch PTO 3 pdt delgt Ring Retainer PTO Harness Engine Koh. cmd l .15AR 532121537 874760412 819091016 810040400 532121264 873220400 532109238 532129965 532109596 810090400 873350400 532136850 532004152 811150400 532124770 532124964 532108824 532124773 532121305 532144921 532140400 532141226 532140401 532110712 532108236 817021008 532109553 532140421 871110408 532131563 532138406 873640400 532122822 532141940 532140404 532140405 532140426 NOTE: All component dimensions given in U.S. inches. 1 inch = 25.4 mm 31 REPAIR PARTS 14 HP 42" TRACTOR - MODEL NO.954001192A CHASSIS AND ENCLOSURES 46 30 24 87 112 109 68 113 110 111 24 70 77 26 25 26 31 3 67 92 91 15 16 66 3 11 9 3 3 3 41 43 26 26 40 35 26 13 3 1 56 3 8 16 6 3 20 96 97 59 72 26 98 71 3 15 65 24 76 50 80 24 26 64 85 26 25 86 84 82 83 42 78 79 81 25 17 95 94 90 69 71 71 74 93 28 29 63 75 51 99 33 10 2 38 3 3 35 34 39 26 3 32 REPAIR PARTS 14 HP 42" TRACTOR - MODEL NO. 954001192A CHASSIS AND ENCLOSURES KEY PART NO. NO. 1 2 3 6 8 9 10 11 13 15 16 17 20 24 25 26 28 29 30 31 33 34 35 38 39 40 41 42 43 46 50 51 56 59 63 64 65 66 67 68 532140341 532140356 817490612 532125453 532126471 532140452 872140608 532136967 532136970 874180512 873510500 532125454 532140181 874780616 819131312 873800600 532127325 532124251 532143050 532139976 532124899 532124914 872110606 532139886 532139887 532139977 532139978 532124250 819171416 532127316 532124130 873800400 872140606 532110436 532121236 532104783 874760532 532143049 819111116 873510400 DESCRIPTION Chassis 11 ga Drawbar Screw, Thd., Roll. 3/8-16 x 3/4 Saddle Clip Insulator .

[You're reading an excerpt. Click here to read official HUSQVARNA LTH 140 user guide](#)



<http://yourpdfguides.com/dref/4739750>