



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HUSQVARNA DRT900H. You'll find the answers to all your questions on the HUSQVARNA DRT900H in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HUSQVARNA DRT900H
User guide HUSQVARNA DRT900H
Operating instructions HUSQVARNA DRT900H
Instructions for use HUSQVARNA DRT900H
Instruction manual HUSQVARNA DRT900H

Gasoline containing up to 10% ethanol (E10) is acceptable for use in this machine. The use of any gasoline exceeding 10% ethanol (E10) will void the product warranty.
Vous pouvez utiliser de l'essence contenant jusqu'à 10 % d'éthanol (E10) avec cet appareil. L'utilisation d'essence contenant plus de 10 % d'éthanol annulera la garantie du produit.

532 44 59-37



Operator's Manual
Owner's Manual

DRT900H

Please read the operator's manual carefully and make sure you understand the instructions before using the machine.
Lisez très attentivement et soyez certain de comprendre ces instructions avant d'utiliser cette machine.



English/



[You're reading an excerpt. Click here to read official HUSQVARNA DRT900H user guide](http://yourpdfguides.com/dref/4739579)

<http://yourpdfguides.com/dref/4739579>

Manual abstract:

532 44 59-37 English/ SAFETY RULES Safe Operation Practices for Walk-Behind Powered Rotary Tillers • TRAINING ••••••••••*Read the Manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the unit and disengage the controls quickly. Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction. Keep the area of operation clear of all persons, particularly small children, and pets. PREPARATION ••••••••••Thoroughly inspect the area where the equipment is to be used and remove all foreign objects. Disengage all clutches and shift into neutral before starting the engine (motor). Do not operate the equipment without wearing adequate outer garments. Wear footwear that will improve footing on slippery surfaces.*

Handle fuel with care; it is highly flammable. Use an approved fuel container. Never add fuel to a running engine or hot engine. Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors.

Replace gasoline cap securely and clean up spilled fuel before restarting. Use extension cords and receptacles as specified by the manufacturer for all units with electric drive motors or electric starting motors. Never attempt to make any adjustments while the engine (motor) is running (except where specifically recommended by manufacturer). Never operate the tiller without proper guards, plates, or other safety protective devices in place. Keep children and pets away.

Do not overload the machine capacity by attempting to till too deep at too fast a rate. Never operate the machine at high speeds on slippery surfaces. Look behind and use care when backing. Never allow bystanders near the unit. Use only attachments and accessories approved by the manufacturer of the tiller.

Never operate the tiller without good visibility or light. Be careful when tilling in hard ground. The tines may catch in the ground and propel the tiller forward. If this occurs, let go of the handlebars and do not restrain the machine. Keep machine, attachments, and accessories in safe working condition.

Check shear pins, engine mounting bolts, and other bolts at frequent intervals for proper tightness to be sure the equipment is in safe working condition. Never store the machine with fuel in the fuel tank inside a building where ignition sources are present, such as hot water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure. Always refer to the operator's guide instructions for important details if the tiller is to be stored for an extended period. MAINTENANCE AND STORAGE •••••- IMPORTANT CAUTIONS, IMPORTANTS, AND NOTES ARE A MEANS OF ATTRACTING ATTENTION TO IMPORTANT OR CRITICAL INFORMATION IN THIS MANUAL. IMPORTANT: USED TO ALERT YOU THAT THERE IS A POSSIBILITY OF DAMAGING THIS EQUIPMENT. OPERATION ••••••••••Do not put hands or feet near or under rotating parts. Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic. Do not carry passengers.

After striking a foreign object, stop the engine (motor), remove the wire from the spark plug, thoroughly inspect the tiller for any damage, and repair the damage before restarting and operating the tiller. Exercise caution to avoid slipping or falling. If the unit should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble. Stop the engine (motor) when leaving the operating position. Take all possible precautions when leaving the machine unattended. Disengage the tines, shift into neutral, and stop the engine. Before cleaning, repairing, or inspecting, shut off the engine and make certain all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting. Disconnect the cord on electric motors.

Do not run the engine indoors; exhaust fumes are dangerous. NOTE: Gives essential information that will aid you to better understand, incorporate, or execute a particular set of instructions. 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. WARNING The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. 2 PRODUCT SPECIFICATIONS Gasoline Capacity: Oil (API:SG-SL): (Capacity: 18.6 oz./0.55L) Spark Plug : (Gap: .

030"/0.76mm) 2 Quarts (1,89L) Unleaded Regular SAE 30 (Above 40°F/4°C) SAE 5W30/10W30 NGK BPR6ES CUSTOMER RESPONSIBILITIES •••Read and observe the safety rules. Follow a regular schedule in maintaining, caring for and using your tiller. Follow instructions under "Maintenance" and "Storage" sections of this Manual. CONGRATULATIONS on your purchase of a new tiller. It has been designed, engineered and manufactured to give you the best possible dependability and performance. Should you experience any problems 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 unit. Please read and retain this manual. The instructions will enable you to assemble and maintain your tiller properly.

Always observe the "SAFETY RULES". 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. In the state of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws.

Federal laws apply on federal lands. See your Sears Authorized Service Center/ Department for spark arrester. Refer to the Repair Parts section of this manual for part number. TABLE OF CONTENTS SAFETY RULES ..

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

....2 CUSTOMER RESPONSIBILITIES.

.....

.....

.....

.....

...3 PRODUCT SPECIFICATIONS

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

...3 ASSEMBLY.....

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

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

.....4-6 OPERATION.

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

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

.7-11 MAINTENANCE SCHEDULE....

.....
.....

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

12 MAINTENANCE

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

....12-14 SERVICE & ADJUSTMENTS.

.....
.....

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

...15-17 STORAGE..

.....

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

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

.....18 TROUBLESHOOTING...

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

.....
...19 WARRANTY..

.....

.....

.....

.....

.....

.....

.....

....20-23 3 ASSEMBLY Your new tiller has been assembled at the factory with exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your tiller all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to insure proper tightness.



[You're reading an excerpt. Click here to read official HUSQVARNA DRT900H user guide](#)

<http://yourpdfguides.com/dref/4739579>

TOOLS REQUIRED FOR ASSEMBLY A socket wrench set will make assembly easier. Standard wrench sizes are listed. (1) Utility knife (1) Tire pressure gauge (1) Pair of pliers (1) 9/16" wrench **FRONT LEFT RIGHT OPERATOR'S POSITION** (See Fig. 1) When right or left hand is mentioned in this manual, it means when you are in the operating position (standing behind tiller handles). **OPERATOR'S POSITION** Fig. 1 **CONTENTS OF HARDWARE PACK** (2) Handle Locks (1) Carriage Bolt 3/8-16 UNC x 1 Grade 5 (1) Center Locknut 3/8-16 UNC (1) Flat Washer 13/32 x 1 x 11 Gauge (1) Handle Lock Lever (1) Hairpin Clip (1) Pivot Bolt 3/8-16 UNC Grade 5 Extra Shear Pins & Clips 4 **ASSEMBLY UNPACKING CARTON** (See Fig. 2) **CAUTION:** Be careful of exposed staples when handling or disposing of cartoning material. **IMPORTANT:** WHEN UNPACKING AND ASSEMBLING TILLER, BE CAREFUL NOT TO STRETCH OR KINK CABLES.

• Grasp handle assembly. Hold in "up" position. Be sure handle lock remains in gearcase notch. Slide handle assembly into position. **HANDLE ASSEMBLY "UP" POSITION TIGHTEN HANDLE LOCK LEVER TO HOLD** ••••• While holding handle assembly, cut cable ties securing handle assembly to top frame and depth stake. Let handle assembly rest on tiller. Remove top frame of carton. Slowly ease handle assembly up and place on top of carton. Cut down right hand front and right hand rear corners of carton, lay side carton wall down. Remove packing material from handle assembly.

HANDLE ASSEMBLY LOOSEN HANDLE LOCK LEVER TO MOVE Fig. 4 •••••••• Rotate handle assembly down. Insert rear carriage bolt first, with bolt head on L.H. side of tiller and loosely assemble locknut (See Fig.

5). Insert pivot bolt in front part of plate and tighten. Cut down remaining corners of carton and lay panels flat. Lower the handle assembly. Tighten nut on carriage bolt so handle moves with some resistance.

This will allow for easier adjustment. Place flat washer on threaded end of handle lock lever. Insert handle lock lever through handle base and gearcase.

Screw in handle lock lever just enough to hold lever in place. Insert second handle lock (with teeth inward) in the slot of the handle base (just inside of washer). With handle assembly in lowest position, securely tighten handle lock lever by rotating clockwise. Leaving handle assembly in lowest position will make it easier to remove tiller from carton. **HANDLE LOCK FLAT WASHER SHIFT ROD** Fig. 2 **INSTALL HANDLE** (See Figs. 3, 4, and 5) • Insert one handle lock (with teeth facing outward) in gearcase notch.

(Apply grease on smooth side of handle lock to aid in keeping lock in place until handle assembly is lowered into position.) **VIEWED FROM R.H. SIDE OF TILLER GEARCASE HANDLE ASSEMBLY GEARCASE NOTCH HANDLE LOCK CARRIAGE BOLT SLOT HANDLE LOCK LEVER les hand _34 PIVOT BOLT LOCKNUT HANDLE BASE** Fig. 3 Fig. 5 **ASSEMBLY CONNECT SHIFT ROD** (See Fig. 6) • Insert end of shift rod into hole of shift lever indicator. Insert hairpin clip through hole of shift rod to secure. **HAIRPIN CLIP SHIFT LEVER INDICATOR SHIFT ROD** Fig. 6 **REMOVE TILLER FROM CRATE** •••

Make sure shift lever indicator is in "N" position (See Fig.

6) Tilt tiller forward by lifting handle. Separate cardboard cover from leveling shield. Rotate tiller handle to the right and pull tiller out of carton. **CHECK TIRE PRESSURE** The tires on your unit were overinflated at the factory for shipping purposes. Correct and equal tire pressure is important for best tilling performance.

• Reduce tire pressure to 20 PSI (1.4 kg/cm²). **HANDLE HEIGHT** • Handle height may be adjusted to better suit operator. (See "TO ADJUST HANDLE HEIGHT" in the Service and Adjustments section of this manual). **6 OPERATION KNOW YOUR TILLER READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR TILLER.**

Compare the illustrations with your tiller to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference. These symbols may appear on your Tiller or in literature supplied with the product. Learn and understand their meaning. **S TILLING TILLING FORWARD NEUTRAL REVERSE CAUTION OR WARNING ENGINE ON ENGINE OFF FAST SLOW CHOKE FUEL OIL TINE CONTROL SHIFT LEVER CHOKE CONTROL THROTTLE CONTROL SHIFT LEVER INDICATOR DRAG STAKE DEPTH STAKE LEVELING SHIELD OUTER SIDE SHIELD RECOIL STARTER HANDLE** Fig. 7 **MEETS ANSI SAFETY REQUIREMENTS** Our tillers conform to the I; Hold the tine control against the handle to start tiller movement. Tines will not turn. • Move throttle control to desired speed. **AROUND TOWN** • Disconnect spark plug wire. • Drain fuel tank.

• Transport in upright position to prevent oil leakage. **"LOCKED" POSITION NUT "B" OUTER SIDE SHIELD NUT "A" de _ke 11 s h _pt ta** Fig. 11 **TURNING** ••••• Release the tine control. Move throttle control to "SLOW" position. Place shift lever indicator in "F" (forward) position. Tines will not turn. Lift handle to raise tines out of ground. Swing the handle in the opposite direction you wish to turn, being careful to keep feet and legs away from tines. When you have completed your turn-around, release the tine control and lower handle. Place shift lever in (till) position and move throttle control to desired speed.

To begin tilling, hold tine control against the handle. **BEFORE STARTING ENGINE IMPORTANT: BE VERY CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHECKING OR ADDING OIL OR FUEL. USE CLEAN OIL AND FUEL AND STORE IN APPROVED, CLEAN, COVERED CONTAINERS. USE CLEAN FILL FUNNELS. CHECK ENGINE OIL LEVEL** (See Fig.

12) ••• **CULTIVATING** ••••• Use the forward rotating tine drive when cultivating, tilling soft ground or tilling pre-tilled soil. Release depth and drag stake pins. Lower drag stake. Pull the depth stake up for increased tilling depth. Place proper pin in hole of depth stake or drag stake to lock in position. Place shift lever indicator in forward rotating () till position. Hold the tine control against the handle to start tilling movement. Tines and wheels will both turn. Move throttle control "FAST" position for deep tilling. To cultivate, throttle control can be set at any desired speed, depending on how fast or slow you wish to cultivate. Always lower the drag stake when using the forward rotating tine drive. ••• The engine in your unit has been shipped, from the factory, already filled with SAE 30 summer weight oil. With engine level, clean area around oil filler plug and remove plug. Engine oil should be to point of overflowing when engine is level. For approximate capacity see "PRODUCT SPECIFICATIONS" on page 3 of this manual.

All oil must meet A.P Service Classification SG-SL. .I. Reinstall engine oil cap and tighten. For cold weather operation you should change oil for easier starting (See oil viscosity chart in the Maintenance section of this manual).



[You're reading an excerpt. Click here to read official HUSQVARNA DRT900H user guide](http://yourpdfguides.com/dref/4739579)
<http://yourpdfguides.com/dref/4739579>

To change engine oil, see the Maintenance section in this manual. OIL LEVEL OUTER SIDE SHIELDS (See Fig. 11) The back edges of the outer side shields are slotted so that the shields can be raised for deep tilling and lowered for shallow tilling to protect small plants from being buried. Loosen nut "A" in slot and nut "B".

Move shield to desired position (both sides). Retighten nuts. OIL FILLER PLUG in eng r t_4 e_a Fig. 12 9 OPERATION ADD GASOLINE • Fill to within 1/2 inch of top of fuel tank to prevent spills and to allow for fuel expansion. Do not overfill.

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. CAUTION: Fill to within 1/2 inch of top of fuel tank to prevent spills and to allow for fuel expansion.

If gasoline is accidentally spilled, move machine away from area of spill. Avoid creating any source of ignition until gasoline vapors have disappeared. Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame. IMPORTANT: WHEN OPERATING IN TEMPERATURES BELOW 32°F(0°C), USE FRESH, CLEAN WINTER GRADE GASOLINE TO HELP INSURE GOOD COLD WEATHER STARTING. If engine fires but does not start, move choke control to half choke position. Pull recoil starter handle until engine starts. • When engine starts, slowly move choke control to "RUN" position as engine warms up. NOTE: A warm engine requires less choking to start. • Move throttle control to desired running position.

••••• Acidic gas can damage the fuel system of an engine while in storage. ••••• Use fresh fuel next season. See Storage Instructions for additional information. •• 13 TILLING HINTS (See Fig. ••••• Loose, unpacked soil helps root growth. Best tilling depth is 4" to 6" (10-15 cm). A tiller will also clear the soil of unwanted vegetation. The decomposition of this vegetable matter enriches the soil. ••••• Then go back between tilled rows. (See Fig.

14) There are two reasons for doing this. First, wide turns are much easier to negotiate than about-faces. •• Soil conditions are important for proper tilling.

••••• Wait until the soil is less wet in order to achieve the best results. ••••• Make sure spark plug wire is properly connected.

•• • Place throttle control in "FAST" position. • Push fuel valve to "ON" position. • Turn engine switch to "ON" position. • Move choke control to full "CHOKE" position. ••••• Pull recoil starter handle quickly.

Do not let starter handle snap back against starter. •• 10 OPERATION • Do not lean on handle. This takes weight off the wheels and reduces traction.

••••• Move wheel outward approximately 1 inch until hole in inner wheel hub lines up with inner hole in axle. • Replace clevis pin and hairpin clip on inside of wheel and remove blocks. • Repeat preceding steps on left hand side. NOTE: In extremely rough conditions and while cultivating, the wheels should be moved outward on the axle for increased stability. OUTER VIEW OF TIRE CLEVIS PIN 4 5 3 6 2 7 1 Fig. 14 CULTIVATING Cultivating is destroying the weeds between rows to prevent them from robbing nourishment and moisture from the plants. At the same time, breaking up the upper layer of soil crust will help retain moisture in the soil.

Best digging depth is 1" to 3" (2.5-7.5 cm). Lower the outer side shields to protect small plants from being buried. • Cultivate up and down the rows at a speed which will allow tines to uproot weeds and leave the ground in rough condition, promoting no further growth of weeds and grass (See Fig. 15). • Do not lean on handle, this takes weight off the wheels, reduces traction, and may cause the tiller to skip over the ground. • Always lower the drag stake when using the forward rotating tine drive. HAIRPIN CLIP tire_1 Fig. 16 INNER VIEW OF TIRE CLEVIS PIN HAIRPIN CLIP tire_2 Fig.

17 Fig. 15 11 MAINTENANCE US RS RS OU OH Y5 ER YS EA S MAINTENANCE SCHEDULE EA RE E UR OU CH HO FILL IN DATES AS YOU COMPLETE REGULAR SERVICE Check Engine Oil Level Change Engine Oil Oil Pivot Points Inspect Spark Arrester / Muffler Inspect Air Screen Clean or Replace Air Cleaner Cartridge Clean Engine Cylinder Fins Replace Spark Plug RH Gear Case Grease Fitting (1oz.) Y5 FO ER ER Y2 ER 5H SO N BE EV EV 1,2 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. EV EV SERVICE DATES GENERAL RECOMMENDATIONS The warranty on this tiller does not cover items that have been subjected to operator abuse or negligence.

To receive full value from the warranty, the operator must maintain tiller as instructed in this manual. Some adjustments will need to be made periodically to properly maintain your tiller. 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 tines 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 ENGINE RH GEAR CASE GREASE FITTING DEPTH STAKE PIN BEFORE EACH USE ••• Check engine oil level. Check tine operation. Check for loose fasteners. IDLER BRACKET LEVELING SHIELD HINGES WHEEL HUB LUBRICATION Keep unit well lubricated (See "LUBRICATION CHART"). SAE 30 OR 10W-30 MOTOR OIL REFER TO MAINTENANCE "ENGINE" SECTION EP #1 GREASE 12 MAINTENANCE Disconnect spark plug wire before performing any maintenance (except carburetor adjustment) to prevent accidental starting of engine. Prevent fires! Keep the engine free of grass, leaves, spilled oil, or fuel. Remove fuel from tank before tipping unit for maintenance. Clean muffler area of all grass, dirt, and debris. Do not touch hot muffler or cylinder fins as contact may cause burns. ENGINE LUBRICATION Use only high quality detergent oil rated with API service classification SG-SL.

Select the oil's SAE viscosity grade according to your expected temperature. AIR FILTER (See Fig. 20) Your engine will not run properly and may be damaged by using a dirty air filter. Replace the air filter every 100 hours of operation or every season, whichever occurs first. Service air cleaner more often under dusty conditions. TO CLEAN AIR FILTER • Remove cover. • Carefully remove cartridge. • Clean by gently tapping on a flat surface. If very dirty, replace cartridge. • Install cartridge, then replace cover.

IMPORTANT: PETROLEUM SOLVENTS, SUCH AS KEROSENE, ARE NOT TO BE USED TO CLEAN CARTRIDGE. THEY MAY CAUSE DETERIORATION OF THE CARTRIDGE. DO NOT OIL CARTRIDGE.



[You're reading an excerpt. Click here to read official HUSQVARNA](http://yourpdfguides.com/dref/4739579)

[DRT900H user guide](http://yourpdfguides.com/dref/4739579)

<http://yourpdfguides.com/dref/4739579>

DO NOT USE PRESSURIZED AIR TO CLEAN OR DRY CARTRIDGE. FILTER COVER LATCH TABS Fig.

18 NOTE: Although multi-viscosity oils (5W-30, 10W-30, etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 40°F (4°C). Check your engine oil level more frequently to avoid possible engine damage from running low on oil. Change the oil after every 25 hours of operation or at least once a year if the tiller is not used for 25 hours in one year. Check the crankcase oil level before starting the engine and after each five (5) hours of continuous use.

Add SAE 30 motor oil or equivalent. Tighten oil filler plug securely each time you check the oil level. **TO CHANGE ENGINE OIL** (See Figs. 18 & 19) Determine temperature range expected before oil change. All oil must meet API service classification SG-SL. • Be sure tiller is on level surface. • Oil will drain more freely when warm. • Use a funnel to prevent oil spill on tiller, and catch oil in a suitable container. • Remove drain plug. • Tip tiller forward to drain oil.

- After oil has drained completely, replace oil drain plug and tighten securely. • Refill engine with oil. See “CHECK ENGINE OIL LEVEL” in the Operation section of this manual. • Replace oil drain plug and tighten securely. **TABS FILTER Fig. 20 OIL DRAIN PLUG OIL LEVEL OIL FILLER PLUG Fig. 19 13 MAINTENANCE COOLING SYSTEM** (See Fig. 21) Your engine is air cooled. For proper engine performance and long life keep your engine clean. • Clean air screen frequently using a stiff-bristled brush.
- Remove blower housing and clean as necessary. • Keep cylinder fins free of dirt and chaff. **Cylinder Fins Blower Housing Air Screen SPARK PLUG** Replace spark plugs at the beginning of each tilling season or after every 50 hours of use, whichever comes first. Spark plug type and gap setting is shown in “PRODUCT SPECIFICATIONS” on page 3 of this manual. **TRANSMISSION** Once a season, lubricate the right hand side gear case grease fitting with 1 oz. of EP #1 Grease. **CLEANING** Do not clean your tiller when the engine and transmission are hot. We do not recommend using pressurized water (garden hose, etc.) to clean your unit unless the gasket area around the transmission and the engine muffler, air filter and carburetor are covered to keep water out. Water in engine will shorten the useful life of your tiller.
- Clean engine, wheels, finish, etc. of all foreign matter. • Keep finished surfaces and wheels free of all gasoline, oil, etc. • Protect painted surfaces with automotive type wax. **Fig. 21 MUFFLER** Do not operate tiller without muffler. Do not tamper with exhaust system. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary. If your engine is equipped with a spark arrester screen assembly, remove every 50 hours for cleaning and inspection.

Replace if damaged. **14 SERVICE AND ADJUSTMENTS CAUTION:** Disconnect spark plug wire from spark plug and place wire where it cannot come into contact with plug. **TILLER TO ADJUST HANDLE HEIGHT** (See Fig. 22) Select handle height best suited for your tilling conditions. Handle height will be different when tiller digs into soil. • First loosen handle lock lever. • Handle can be positioned at different settings between “HIGH” and “LOW” positions. • Retighten handle lock lever securely after adjusting. **HANDLE (HIGH POSITION) HANDLE LOCK LEVER tire_3 CLEVIS PIN HAIRPIN CLIP Fig. 23 TO REMOVE BELT GUARD** (See Fig.

24) HANDLE (LOW POSITION) Fig. 22 NOTE: For ease of removal, remove hairpin clip and clevis pin from left wheel. Pull wheel out from tiller about 1 inch. • Remove two (2) screws from side of belt guard. • Remove hex nut and washer from bottom of belt guard (located behind wheel).

- Pull belt guard out and away from unit. • Replace belt guard by reversing above procedure. **TO ADJUST CARBURETOR** The carburetor has been preset at the factory and adjustment should not be necessary. However, engine performance can be affected by differences in fuel, temperature, altitude or load. If the carburetor does need adjustment, contact your nearest authorized service center/department **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 THE PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS. BELT GUARD SCREW AND WASHER HEX NUT AND WASHER (LOCATED BEHIND TIRE) TIRE CARE CAUTION: When mounting tires, unless beads are seated, overinflation can cause an explosion. • • Maintain 20 pounds of tire pressure. If tire pressures are not equal, tiller will pull to one side. Keep tires free of gasoline or oil which can damage rubber. Place blocks under transmission to keep tiller from tipping. Remove hairpin clip and clevis pin from wheel. Remove wheel and tire. Repair tire and reassemble.

SCREW AND WASHER HAIRPIN CLIP AND CLEVIS PIN Fig. 24 TO REMOVE WHEEL (See Fig. 23) • • • • **15 SERVICE AND ADJUSTMENTS TO REPLACE GROUND DRIVE BELT** (See Figs. 24 and 25) • • • Remove belt guard as described in “TO REMOVE BELT GUARD”. Remove old belt by slipping off engine pulley first then remove from transmission pulley. Place new belt in groove of transmission pulley and into engine pulley. **BELT MUST BE IN GROOVE ON TOP OF IDLER PULLEY. NOTE POSITION OF BELT TO GUIDES.** Check belt adjustment as described below. Replace belt guard. Reposition wheel and replace clevis pin and hairpin clip. **GROUND DRIVE BELT ADJUSTMENT** (See Fig. 25) For proper belt tension, the extension spring should have about 5/8 inch (16 mm) stretch when tine control is in “ENGAGED” position. This tension can be attained as follows: • Loosen cable clip screw securing the drive control cable. • Slide cable forward for less tension and rearward for more tension until about 5/8" (16 mm) stretch is obtained while the tine control is engaged.

• Tighten cable clip screw securely. • • • **CABLE CLIP SCREW ENGINE PULLEY DRIVE CONTROL CABLE LESS TENSION 5/8" IDLER PULLEY TRANSMISSION PULLEY EXTENSION SPRING MORE TENSION Fig. 25 16 SERVICE AND ADJUSTMENTS TINE REPLACEMENT** (See Figs. 26, 27 and 28) **CAUTION:** Tines are sharp. Wear gloves or other protection when handling tines.

A badly worn tine causes your tiller to work harder and dig more shallow. Most important, worn tines cannot chop and shred organic matter as effectively nor bury it as deeply as good tines. A tine this worn needs to be replaced. **NEW TINE WORN TINE** • • To maintain the superb tilling performance of this machine the tines should be checked for sharpness, wear, and bending, particularly the tines which are next to the transmission.



[You're reading an excerpt. Click here to read official HUSQVARNA DRT900H user guide](http://yourpdfguides.com/dref/4739579)
<http://yourpdfguides.com/dref/4739579>

@@@26 Fig. @@@@CAUTION: Never store the tiller 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 OIL Drain oil (with engine warm) and replace with clean oil. (See "ENGINE" in the Maintenance section of this manual). CYLINDER(S) ••••TILLER •••• Clean entire tiller (See "CLEANING" in the Maintenance 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 Maintenance 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. Remove spark plug. Pour 1 ounce (29 ml) of oil through spark plug hole into cylinder. Pull starter handle slowly several times to distribute oil. Replace with new spark plug.

OTHER ••••ENGINE FUEL SYSTEM IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS THE 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. 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 unit indoors and cover it to give protection from dust and dirt. Cover your unit 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 unit to rust.

IMPORTANT: NEVER COVER TILLER WHILE ENGINE AND EXHAUST AREAS ARE STILL WARM. • Empty the fuel tank by starting 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. • 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 empty the gas tank and carburetor if using fuel stabilizer. 18 TROUBLESHOOTING POINTS PROBLEM CAUSE CORRECTION Will not start 1.

2. 3. 4. 5. 6. 7. 8. 9. Out of fuel. Engine not "CHOKED" properly.

Engine flooded. Dirty air cleaner. Water in fuel. Clogged fuel tank. Loose spark plug wire.

Bad spark plug or improper gap. Carburetor out of adjustment. Throttle control not set properly. Dirty air cleaner. Bad spark plug or improper gap.

Stale or dirty fuel. Loose spark plug wire. Carburetor out of adjustment. Engine is overloaded. Dirty air cleaner. Low oil level/dirty oil. Faulty spark plug. Oil in fuel. Stale or dirty fuel. Water in fuel.

Clogged fuel tank. Spark plug wire loose. Dirty engine air screen. Dirty/clogged muffler. Carburetor out of adjustment. Poor compression. Low oil level/dirty oil. Dirty engine air screen. Dirty engine. Partially plugged muffler.

Improper carburetor adjustment. Ground too dry and hard. Ground too wet. Tine control is not engaged. V-belt not correctly adjusted.

V-belt is off pulley(s). Tilling too deep. Throttle control not properly adjusted. Carburetor out of adjustment. Shear pin(s) broken.

Drag Stake not lowered in forward rotating till mode. Improper tilling mode. 1. 2. 3. 4. 5. 6. 7. 8.

9. 1. 2. 3. 4. 5. 6. 1. 2. 3.

4. 5. 6. 7. 8.

9. 10. 11. 12. 13.

1. 2. 3. 4. 5. 1. 1. 1. 2. 3.

1. 2. 3. 1. 1. 2. Fill fuel tank. See "TO START ENGINE" in Operation section. Wait several minutes before attempting to start. Clean or replace air cleaner cartridge.

Empty fuel tank and carburetor, and refill tank with fresh gasoline. Remove fuel tank and clean. Make sure spark plug wire is seated properly on plug.

Replace spark plug or adjust gap. Make necessary adjustments.

Place throttle control in "FAST" position. Clean or replace air cleaner cartridge. Replace spark plug or adjust gap. Empty fuel tank and refill tank with fresh, clean gasoline. Make sure spark plug wire is seated properly on plug.

Make necessary adjustments. Set depth stake for shallower tilling. Clean or replace air cleaner cartridge. Check oil level/change oil. Clean and regap or change spark plug. Empty and clean fuel tank and refill, and clean carburetor. Empty fuel tank and refill fuel tank with fresh gasoline. Empty fuel tank and carburetor, and refill tank with fresh gasoline. Remove fuel tank and clean. Connect and tighten spark plug wire.

Clean engine air screen. Clean/replace muffler. Make necessary adjustments. Contact an authorized service center/department. Check oil level/change oil. Clean engine air screen. Clean cylinder fins, air screen, and muffler area. Remove and clean muffler. Adjust carburetor to richer position. Moisten ground or wait for more favorable soil conditions.

Wait for more favorable soil conditions. Engage drive control. Inspect/adjust V-belt. Inspect V-belt. Set depth stake for shallower tilling.

Check throttle control setting. Make necessary adjustments. Replace shear pin(s). Lower Drag Stake Forward rotating tine drive should only be used for soft ground or for soil that has already been tilled. Briefly engage tine control and release or rock tiller forward and backward until are able to shift gears.

Shift to either counter rotating till position or forward rotating till position. Clear tines. Hard to start 1. 2. 3. 4. 5. 6. Loss of power 1. 2.

3. 4. 5. 6. 7. 8. 9. 10. 11. 12.

13. Engine overheats 1. 2. 3. 4.

5. 1. 1. 1. 2.

3. 1. 2. 3. 1. 1. 2. Excessive bounce/difficult handling Soil balls up or clumps Engine runs but tiller won't move Engine runs but labors when tilling Tines will not rotate Tines skip over ground Hard to shift into gear 1. Gears not timed. 1.

Tiller shuts off when tine control engaged 1. 2. Shift lever set in between counter rotating till position and forward rotating till position. Tines jammed. 1. 2.

19 20 21 22 23 .



[You're reading an excerpt. Click here to read official HUSQVARNA
DRT900H user guide](http://yourpdfguides.com/dref/4739579)
<http://yourpdfguides.com/dref/4739579>