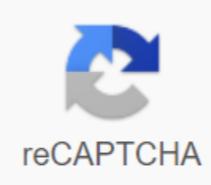




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Toro 22 inch recycler manual 190cc

This tongue-turning, walking behind lawn mowers is intended to be used by residential homeowners. It is primarily designed to mow lawns on well-maintained lawns on residential properties. It is not designed for cutting bushes or for agricultural use. Read this information carefully to learn how to operate and maintain your product properly and to avoid product injury and damage. You are responsible for operating the product properly and safely. You can contact Toro directly www.Toro.com product information and accessories, help find your agent or register your product. Whenever you need genuine Toro services, parts, or additional information, contact your Authorized Service Agent or Toro Customer Service and get your product series model and number ready. Figure 1 determines the location of the model and the serial number on the product. With your mobile device, you can scan the QR code on the serial number decal (if equipped) to access warranty, parts and other product information. This manual identifies potential hazards and contains safety notices identified by the safety warning symbol (Figure 2), which signals a danger that can cause serious injury or death if you do not follow the recommended precautions. 2-word manual to highlight information. Important calls pay attention to special mechanical information and Note emphasizes general information that deserves special attention. California Warning Bill 65 Warns Engine Emissions from This Product Contains Chemicals That The State of California Already Knows To Cause Cancer, Birth Defects, or Other Fertility Harms. The use or operation of the engine on any forest-covered, brush-covered or grass-covered land unless the engine is equipped with a spark catcher, as defined in Section 4442, is maintained in an efficient working order or the engine is built, equipped and maintained for fire prevention. Gross or Net Torque: The gross or net torque of this engine is evaluated by the engine manufacturer according to the Society of Automotive Engineers (SAE) J1940 or J2723. According to the configuration to meet the safety, exhaust and operation requirements, the actual engine torque on this cutting machine layer will be significantly lower. Please refer to the information of the engine manufacturer that came with the machine. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Catalogue 21 This website or third-party tools use cookies, necessary for its operation and necessary to achieve the purposes illustrated in the cookie policy. If you would like to know more about or withdraw your consent for all or some cookies, please refer to the cookie policy. By closing this banner, scrolling this page, clicking the link or continuing to browse in another way, you consent to the use of cookies. Recommended Maintenance Schedule(s) Maintenance Before each use or daily Check the level of engine oil and add oil as needed. Make sure the engine shuts down within 3 seconds after releasing the blade control bar. After each use cut clean grass and dirt from under the machine. Every 25 hours serving air filters: services are more frequent in dusty operating conditions. Charge the battery (if equipped) for 24 hours. Annually Replace Air Filters: replace it more often in dusty operating conditions. Replace the engine oil. Replace the blade or have it sharpened (more often if the edge is dull quickly). Clean the engine by removing dirt and debris from its top and sides; clean it more often in dusty operating conditions. Annually or before storage Pour the fuel can before repair as directed and before annual storage. Important: Refer to the engine owner's manual for additional maintenance procedures. Wear gloves and protect your eyes when maintaining your machine. Sharp blades; contact with the blade can lead to serious personal injury. Wear gloves when maintaining the blade. Do not repair or change the blade(s). Never tamper with safety devices. Check their proper functioning regularly. Flipping the machine can cause fuel to leak. Fuel is flammable and explosive, and can cause personal injury. Run dry motor to remove fuel with a hand pump; never siphon fuel. To ensure optimal performance and further certification of machine safety, only genuine Toro replacement parts and accessories are used. Replacement parts and accessories made by other manufacturers can be dangerous, and such use may disable product warranty. Prepare maintenance Turn off the engine, remove the electric start button (if equipped) and wait for all moving parts to stop. Disconnect the spark plug cord from the spark plug (Figure 25). After performing the maintenance process(es), connect the spark plug cord to the spark plug. Important: Before flipping the machine to replace oil or replace the blade, allow the fuel tank to run dry through normal use. If you have to tip the machine before the fuel runs out, use a hand fuel pump to remove the fuel. Always tip the machine into its side, with the dipstick down. Maintenance period of air filter maintenance Maintenance process every 25 hours Air filter service: services are more frequent in dusty operating conditions. Annually Replace Air Filters: replace it more often in dusty operating conditions. Remove the clamp of the top part of the air filter cover (Figure 26). Remove the air filter (Figure 26). Check the air filter. Note: If the air filter is too dirty, replace the new filter. Otherwise, gently touch the air filter on a hard surface to loosen the debris. Install air filters: Use of clamp to install the air filter cover. Change of engine oil maintenance services Annual Procedure Change engine oil. Engine oil changes are not necessary, but if you want to change the oil, use the following procedure. Note: Run the engine a few minutes before changing the oil to warm it up. Warm oil flows better and carries more contaminants. Engine oil specifications Engine oil capacity 0.44 L (15 fl oz) Oil viscosity SAE-30 or SAE 10W-30 API oil detergent classification service SJ or higher. Move machine to a surface level. Refer to Preparing for Maintenance. Remove the dipstick by turning the lid counter-clockwise and pulling it out (Figure 27). Tip the machine into its side (so that the air filter is up) to drain the oil used from the oil filling tube (Figure 28). After discharging the used oil, return the machine to its operating position. Carefully pour about 3/4 of the engine capacity of the oil into the oil pouring tube. Wait 3 minutes for the oil to settle in the engine. Wipe the embedded rods with a clean cloth. Insert the embedded rod into the oil filling tube, then remove the embedded rod. Read the oil level on the oil rod (Figure 27). If the oil level on the oil rod is too low, carefully pour a small amount of oil into the oil pouring tube, wait 3 minutes and repeat the steps from 8 to 10 until the oil level on the dipstick is correct. If the oil level on the dipstick is too high, drain the excess oil until the oil level on the dipstick is correct. Important: If the oil level in the engine is too low or too high and you run the engine, you can damage the engine. Install dipsticks into oil filling tubes safely. Recycle used oil properly. Charging for Electric Models-Start Interval/Maintenance Maintenance Service Procedure Every 25 hours Charging the battery (if equipped) for 24 hours. California Warning Bill 65 Warns That The Use of This Product May Cause Exposure to Chemicals Known to Cause Cancer, Birth Defects, or Other Fertility Harms. Charge the battery for the first 24 hours, then monthly (every 25 starts) or as needed. Always use the charger in a covered area and charge the battery at room temperature (22°C or 70°F) whenever possible. Connect the charger to the harness located underneath the electric start button (Figure 29). Plug the charger into a wall outlet. Note: When the battery is no longer charged, recycle or dispose of the lead acid battery according to the local code. Note: Your battery charger may have a 2-color LED display that shows the following charging states: A red light shows the charger charging. A green light says the charger is fully charged or the charger is disconnected from the battery. Flashing light alternating between red and green suggests the battery is almost fully charged. This state lasts for a few minutes until the battery is fully charged. Replacing fuses for electric starter models If the battery is not charged or the motor is not powered by an electric starter, the fuse may be blown. It with a plug-in type fuse 40 A. Real fuses are not available. If the fuse is blown, replace it with a new fuse. If the fuse is not blown, check the circuit. If the circuit is OK, contact an Authorized Service Agent. Check the blade whenever you run out of fuel. If the blade is damaged or cracked, replace it immediately. If the blade edge is dull or nicked, have it sharpened and balanced, or replaced it. Warning Sharp Blades; contact with the blade can lead to serious personal injury. Wear gloves when maintaining the blade. Refer to Preparing for Maintenance. Tip the machine into its side with the air filter up. Use a wooden block to hold the blade steady (Figure 32). Remove the blade, save all mounting hardware (Figure 32). Installation of new blades and all installed hardware (Figure 33). Important: Position the curved heads of the blade to point towards the case. Use torque cane to tighten blade bolts to 82 N·m (60 ft-lb). Important: A torque bolt to 82 N·m (60 ft-lb) is very tight. While holding the blade with a wooden block, put your weight behind the ratchet or bayonet and tighten the bolts safely. This bolt is very difficult to overtighten. Adjust the self-push drive Whenever you install a new self-push cable, or if the self-push drive doesn't adjust, adjust the self-push drive. Rotate the crown counter-clockwise to loosen the cable adjustment (Figure 34). Adjust the tension on the cable (Figure 34) by dragging it back or pushing it forward and holding that position. Note: Push the cable towards the engine to increase traction; pull the cable out of the engine to reduce traction. Rotate the crown clockwise to tighten the cable adjustment. Note: Tighten the knob by hand. Hand.

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