

NOTE:

Wires of the electronics assembly (32) are routed in traps and cavities in the right handle halve (23).

To replace the Electronics Assembly (32):

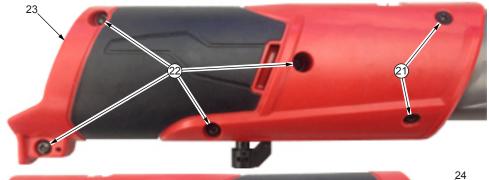
Remove four T-10 handle screws (22) from right handle halve (23) and two T-10 handle/gear case screws (21) from right handle halve.

Gently turn tool over and remove two T-10 handle/gear case screws (21) from left handle halve.

Carefully remove the left handle halve to expose the electronics assembly.

Use a hex key to remove the three socket head screws (19) and slide stator/rotor/motor mount plate out of yoke housing assembly (31).

Rotor assembly (33) must be removed from the stator by securing the rotor fan and unscrewing the hex nut (20) outside of motor plate (18).





Yoke housing assembly (31)

LED

Socket head Motor plate screws (19) (18)

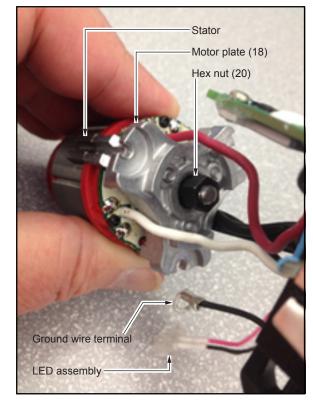
(20)

PCBA



-Switch lock On-off out (27) switch Battery terminal block 23

SEE NEXT PAGE FOR SERVICE INSTRUCTIONS TO AID WITH THE REMOVAL AND INSTALLATION OF ELECTRONICS ASSEMBLY (32).



Orient stator with red wire to the top of tool. Place Assemble existing rotor (33) into yoke stator assembly into yoke housing and over rotor. housing assembly (31). Engage rotor pinion with planet gears (7) and seat rotor bearing in motor holder (10). Slide the existing bushing (14) over thread-ed rotor spindle. Work existing motor plate/bearing/bearing plate assembly (15,16,17,18) through stator wires and over threaded rotor spindle. Slide the threaded rotor spindle. Slide NOTE: It is important to keep the rotor seated when installing the stator. Magnetism from the stator WILL pull the rotor out of position. **As an aid to assembly,** use a the three legs of motor plate into the corresponding channels of yoke housing assembly. flat blade screwdriver and place it through yoke housing air yent so blade is on top of rotor fan. Place yoke housing assembly on a level surface and tilt Secure motor plate with three socket head screws (19), being sure to capture the ground towards screwdriver to maintain pressure on rotor fan. Yoke housing terminal, positioned at bottom. Tighten the three screws is wide enough to remain upright with screwdiver in uniformally using a 2mm hex kev. place, allowing both hands to be used to Secure rotor with hex nut (20) as explained below. install stator. Yoke housing Rotor Rotor fan Air vent NOTE: Anvil ass embly, yoke and crankshaft Ó don't need to be installed during this step 5/16" hex socket Screwdriver or similar tool to prevent the rotor assembly from rotating when tightening hex nut. NOTE: It is recommended to use the largest screwdriver/tool possible when performing this step. Crank shaft pin Remove yoke and anvil assembly so a screwdriver can be placed under the pin of crank shaft to lock rotor so hex nut can be tightened.

To properly tighten hex nut (20) to rotor (33), it is important to lock rotor and keep it from spinning. The recommended approach is illustrated above.

With a snap ring pliers, remove snap ring (1k). Carefully remove the anvil kit (1) being sure to keep the friction plate (1j) pressed against it. Remove yoke (2) and bushing (4) exposing the 'pin' of crank shaft (5).

With a screwdriver or similar tool, slide under crank shaft pin and wedge between pin and yoke housing, preventing crank shaft and all gearing (including rotor pinion) from moving. Use a 5/16" socket to secure hex nut to rotor spindle. Tighten to 33-37 kg-cm (approx. 28-32 in-lbs).

Remove screwdriver and reinstall bushing and yoke onto crank shaft pin. Carefully place anvil kit and friction plate back into yoke and secure with snap ring.

Place yoke assembly in right handle halve. Prior to installing switch and PCBA, place LED assembly in housing halve. Route LED wires and ground wire through channels and traps, than behind the switch as shown above. Be sure all wires are pressed down firmly.

Place switch, PCBA and battery terminal block into the handle slots and cavities. Be sure those components are seated firmly and squarely. Pay particular attention that excess wires are tucked behind the battery terminal block and that no wires will interfer with the installation of the other handle halve.

Install the switch lock-out slide (27). Carefully place the left handle halve (24) onto the right handle halve. Be sure the handles fit together properly and secure with screws (21 and 22).

Check for proper functionality of switch and switch lock-out slide. Install battery to make sure tool runs properly.

Install switch paddle (26) and secure with spring pin (25).