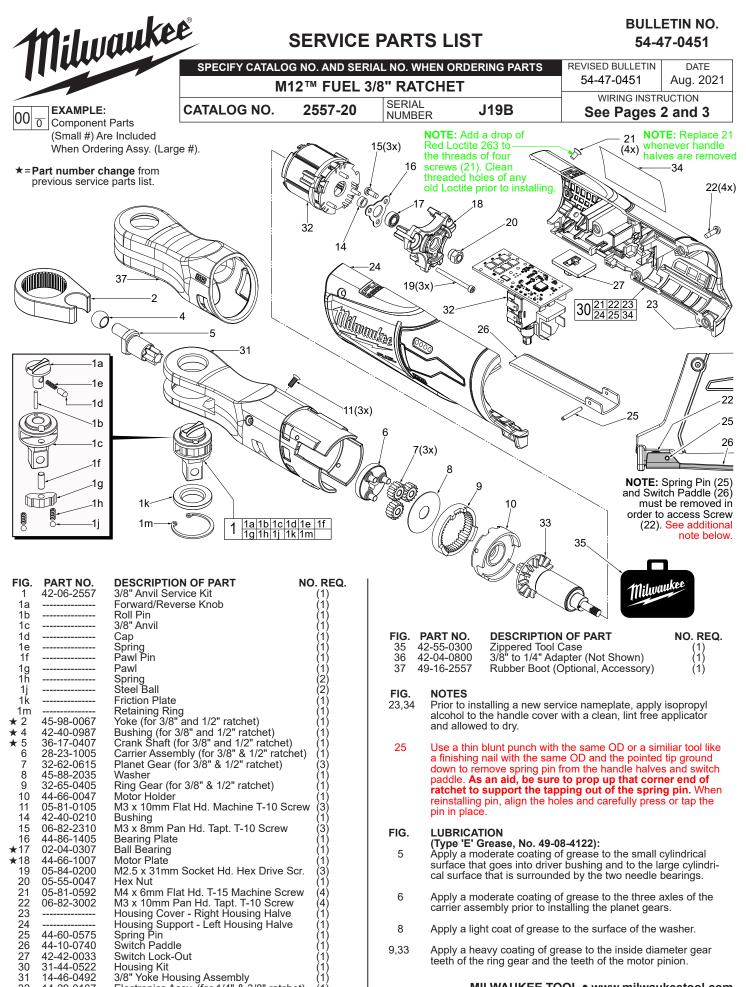
SERVICE PARTS LIST

BULLETIN NO. 54-47-0451



Electronics Assy. (for 1/4" & 3/8" ratchet) Rotor Assembly (for 3/8" ratchet)

Service Nameplate

14-20-0107

16-01-1035 12-20-2556

32

33

NOTE:

Yoke housing

assembly (31)

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

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).

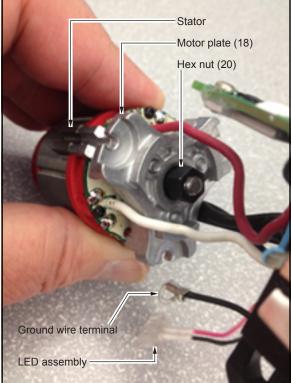
Socket head

screws (19)

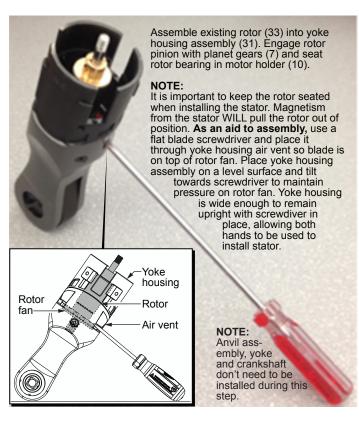
Motor plate

(18)

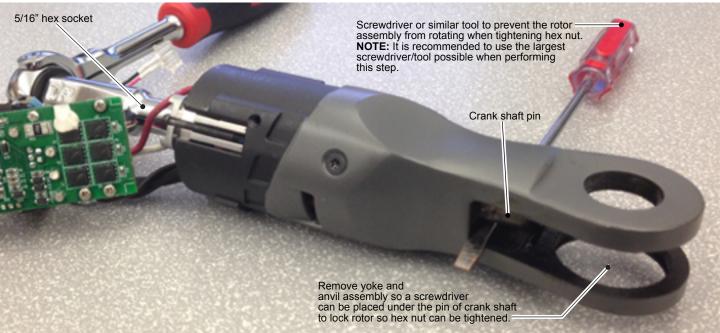




SEE NEXT PAGE FOR SERVICE INSTRUCTIONS TO AID WITH THE REMOVAL AND INSTALLATION OF ELECTRONICS ASSEMBLY (32).







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).