

**COMPONENT REMOVAL AND REPLACEMENT** - The following steps are required in the removal and replacement of major components, assemblies, sub-assemblies or piece parts necessary to accomplish suitable corrective action.



#### **DRIVE MOTOR REMOVAL -**

- After turning the circuit breaker off, remove cover on drive motor junction box and disconnect motor leads.
- Remove conduit from motor junction box.
- The drive motor (1) can be removed from the head assembly by removing four screws (3 & 4).

#### **SPEED REDUCER REMOVAL -**

- Remove bolt (6 & 7) and four machine screws (8, 9, and 10).
- Loosen four set screws in collar of reducer (5) to free it from the screw shaft (19).
- Access to the bottom two set screws can be gained by turning the reducer until the set screws line up with the openings in the side of the reducer. The reducer can now be lifted off the screw shaft.

#### **SCREEN AND SCREW REMOVAL -**

- After removing four machine screws (12, 13, & 14), from head assembly (11) lift head with screen (15) and screw assembly (19) attached, from the Hydra-Extractor<sup>®</sup> shell (27).
- By removing a machine screw (23, 24, 25), the plug cutter (22) can be removed from the screw assembly.
- Remove the screw assembly from the screen assembly by pulling the screw assembly through the bottom opening of the screen, while turning bottom of screw counter-clockwise with a pipe wrench.
- After removing the screw assembly, remove two button head machine screws (16, 17, 18), from the screen and slip the screen from the head assembly.

#### **BOTTOM PIN REMOVAL -**

- Remove six machine screws (44, 45, and 46).
- The bottom pin plate (41) with bottom pin (39) attached can now be removed.
- Remove screw (42 & 43). The bottom pin can now be separated from the bottom pin plate.