

A23 Pictures of Electric Motors

V1.0 0 (29/6/12)

Betts Motor: used in a variety of washing machines, wired for cord and motor capacitor.

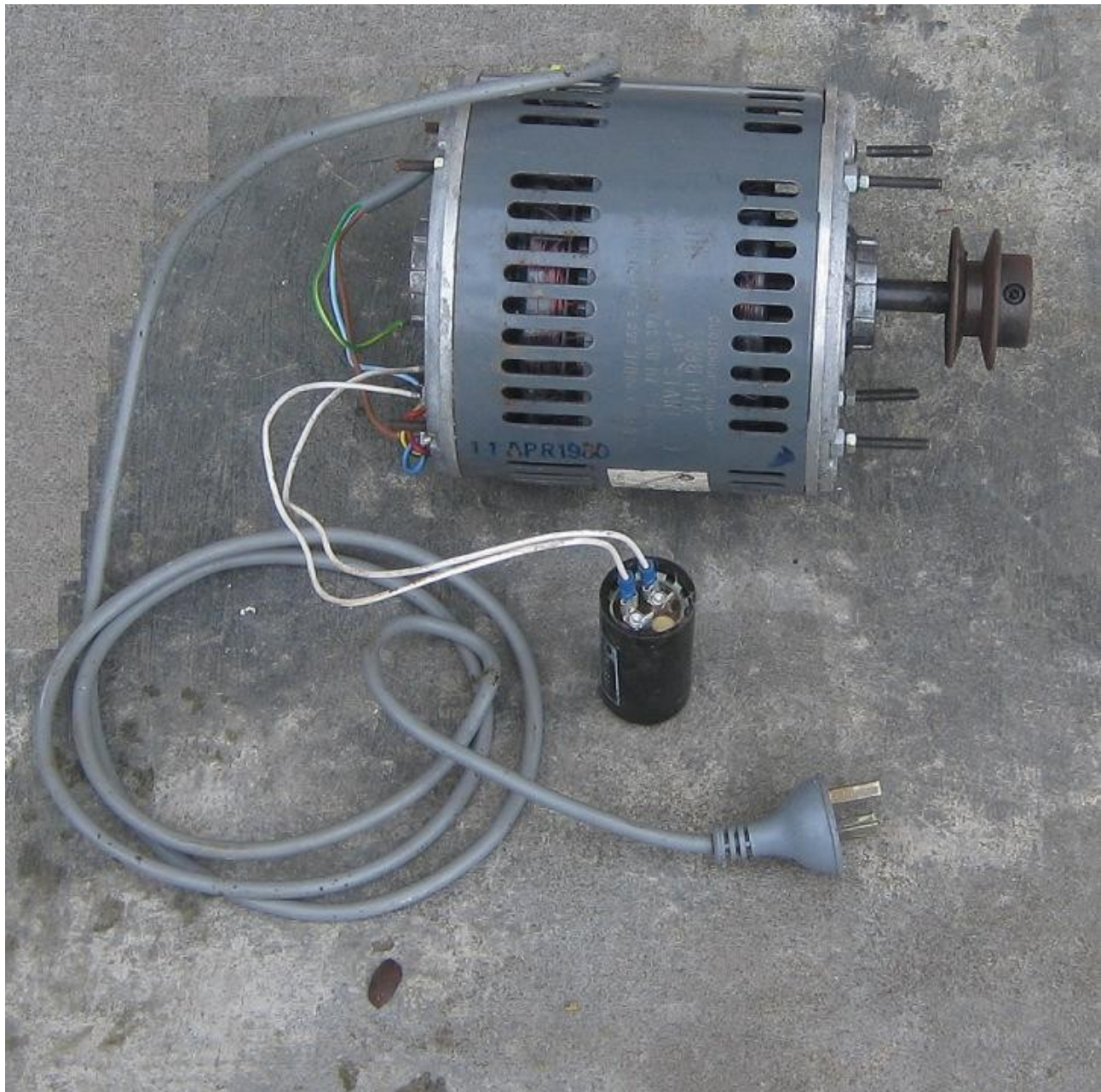


Illustration 1: Betts Motor

Hoover Motor: Wire with a Forward and Reverse Switch.

A Centrifugal switch mechanism to operate “C” motor micro-switches.

B Switch to change motor direction.

C Motor micro-switches. Two for 2 speed motors and one for 1 speed motors

D Motor pulley Die-cast or aluminium with “A” belt (gearbox) and round “O” ring belt (pump), late model with only “A” (Late model washer had motors with only “A” pulley, The Zn die cast pulley failed with the flange spreading and the “V” belt running on the bottom of the groove.

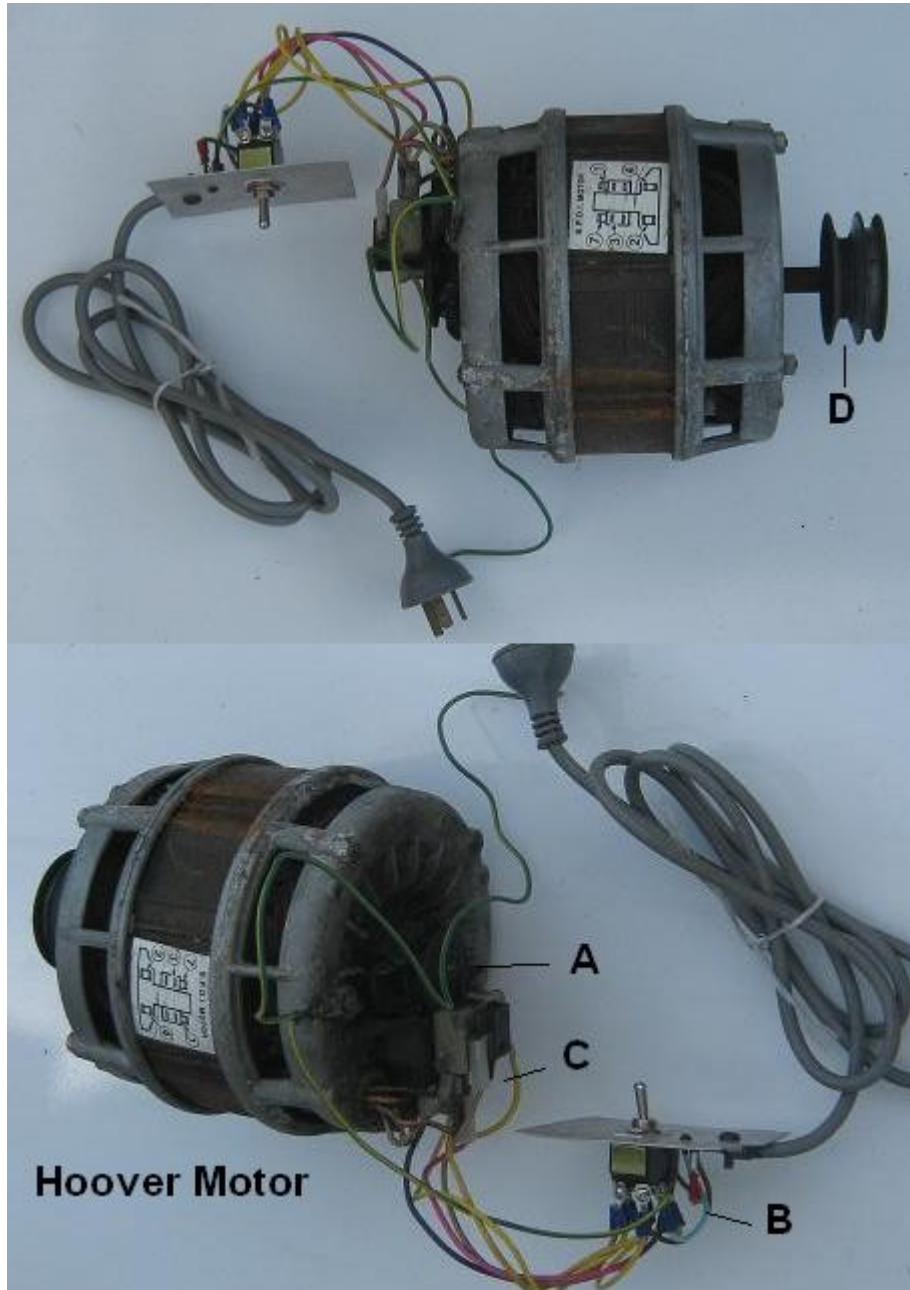


Illustration 2: Hoover Motor

Hoover Round Motor (Early: 520)

A Mount ring (can discard)

B Steel pulley (“A” and “O”)

C Motor connections see JDR for details

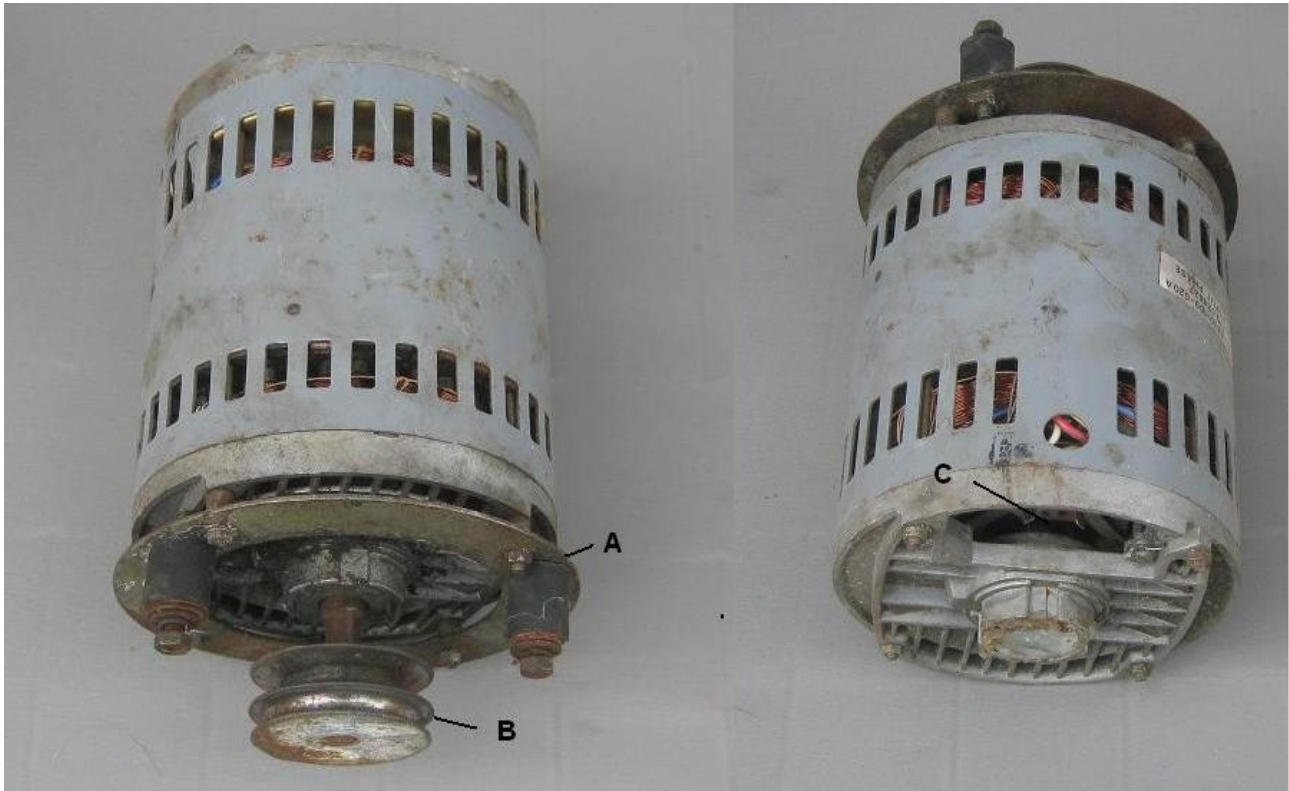


Illustration 3: Hoover early motor

Early Simpson Round motor with start capacitor on side of motor (A). Most Simpson motors did not have start capacitors. Most of the mounting plastic slides are missing. Motor with “A” & “M” pulley. Late model machines had only “A” pulley.

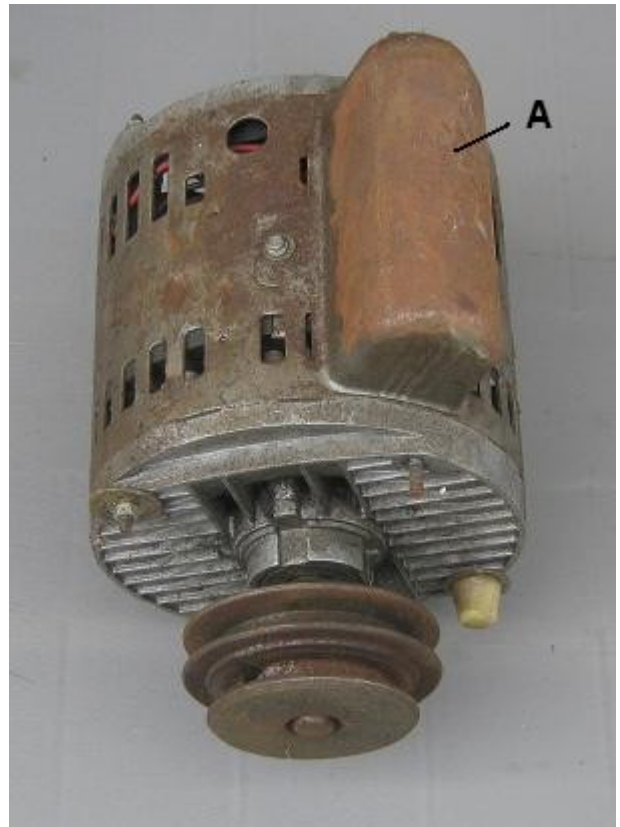


Illustration 4: Simpson Round Motor

Simpson Square Motor

A Cast iron pulley (A & M)

B Plastic motor mounts

C Motor connections

See note above about pulley

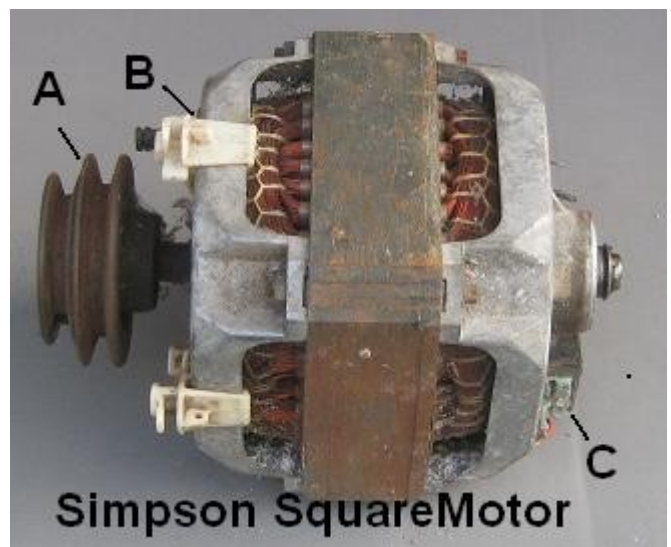


Illustration 5: Simpson Square Motor