



Fig. 8—Three Speed Wiper Motor Wiring Schematic

bled properly and park switch gear and latch assembly must be removed and replaced.

(4) Inspect park switch, gear and latch assembly for damage or excessive wear as follows:

- (a) open or welded park switch contacts,
- (b) burned or pitted park switch contacts,
- (c) melted switch cam,
- (d) chipped, scraped or broken islands,
- (e) chipped or scraped gear face inner or outer cam,
- (f) bent rocker arm lever on switch plate,
- (g) bent, loose or broken hook stop where it latches to inner cam,
- (h) broken torsion spring,
- (i) clearance between block and latch assembly exceeding .027" may cause a thumping noise.

If any of these conditions exists replace defective parts.

(5) To replace gear and latch assembly;

- (a) remove nut that mounts drive link to motor,
- (b) remove drive link and push gear and latch assembly out of motor housing,
- (c) insert new latch assembly into new gear so that latch is against block on gear (Fig. 9).
- (d) install gear and latch assembly into motor housing with spring washer between gear and motor with hook of latch closed (Fig. 9). On H-N-R-W-X-S models, top of hook must be at a 12 o'clock position. On P-D-C models, it must be at a 6 o'clock position. Rotate gear and latch assembly accordingly.

(e) Install melamine tube on switch cam. Place a thin film of grease on top of switch cam taking care not to get any grease on melamine tube.

(6) To replace switch plate;

- (a) unsolder two green wires from plate and resolder onto new plate at same locations.
- (b) do same with blue wire.
- (c) install new gasket with slot over locator on motor housing.
- (d) rotate rocker arm on switch plate counterclockwise until it touches its stop and make sure hook on gear is closed.

(e) install switch plate on motor housing making sure locating tab is in correct notch (Fig. 9). There are two locator tabs on plate. Tab with dimple next to it is for P-D-C models and tab without dimple is for H-N-R-W-X-S models.

(f) install switch plate mounting screws making sure ground strap is under screw next to gasket locator.

CAUTION: MAKE SURE COVER FITS PROPERLY (FLUSH) AGAINST GEAR HOUSING. AN INTERFERENCE IS USUALLY CAUSED BY ROCKER ARM HITTING PART OF GEAR AND IF ASSEMBLED THIS WAY WILL CAUSE FAILURE. IF THERE IS AN INTERFERENCE, MAKE SURE GEAR IS SEATED PROPERLY IN HOUSING AND THEN ADJUST ROCKER ARM SO IT FALLS IN AN OPEN AREA WHEN INSTALLED.

- (g) reconnect drive link to motor, install mounting