

Service Diagnosis for Windshield Wiper Motor

Failure	Cause	Repair
Wipers operate very slowly, jerkey, or stop.	<ul style="list-style-type: none"> a. Dirty or worn brushes. b. Brush pressure too weak. c. Brush holders have tight hinges. d. Dirty commutator. 	<ul style="list-style-type: none"> a. Install new brushes. b. Install new springs. c. Free brush holder hinges. d. Clean commutator.
Squeaking noises.	<ul style="list-style-type: none"> a. Crank pin and linkage dry. b. Armature dragging on field core. 	<ul style="list-style-type: none"> a. Lubricate crank pin and linkage with high temperature grease. b. Adjust field core and test armature movement.
Wipers do not start.	<ul style="list-style-type: none"> a. Poor cable connection or burned fuse. b. Field core displaced or fouling armature. c. Burned out armature due to an internal short or internal ground; may be traced to field core fouling the armature. 	<ul style="list-style-type: none"> a. Test for current supply with meter or replace fuse. b. Test movement of armature and adjust field core if necessary. c. Install new motor or armature.