



Service Letter

Service Letter No. 431R May, 1995

**SUBJECT: New Solenoid Valve
(revises Service Letter No. 431 dated February, 1995)**

MODELS AFFECTED: 340A

Jacobs began installing a new 12-volt Solenoid Valve, P/N 019650, in Model 340A Engine Brakes in October, 1994, starting with brake housing serial number AE075060. This solenoid replaces the Solenoid Valve, P/N 018265. It was originally developed for the Model 310A Engine Brake, and features a more durable electrical coil.

The electrical properties of the Solenoid Valve, P/N 019650, are as follows:

Property	Cold	Hot
Resistance	9.5 - 10.5 ohms	11.5 - 14.0 ohms
Current draw	1.15 - 1.25 amps	0.86 - 1.04 amps
Pull-in voltage	9.5 volts DC	11.9 - 12.7 volts DC

The P/N 019650 should be tightened to 110 lb.-in. (12.4 N•m) of torque, and uses the same solenoid seals as the P/N 018265 solenoid.

Any inventory of the Solenoid Valve, P/N 018265, should be used until the supply is exhausted. New orders for Solenoid Valves, P/N 018265 will be converted to Solenoid Valves, P/N 019650.

Please note these changes in your Model 340A Parts Manual, P/N 019555.

This is a Jacobs product improvement and not subject to campaign.