



BY KEN PLOURDE

AVOID 50MT CONFUSION

Often field calls from fellow rebuilders pertaining to the Delco Remy Type 400 50MT starter. Most of the issues are related specifically to 32 and 64 volt applications. In most cases, the cause of the problem turns out to be incorrect or mismatched component parts. You would think that the most common part to get wrong would be the solenoid. But on the contrary, it seems that the armature and field coils actually cause more problems for rebuilders.

Armature bar count is extremely important when identifying armatures for these two application voltages. I have researched and put together a reference chart that includes some of the more popular 50MT part starter numbers along with voltage, armature, bar count, direction of rotation and field coils. You can quickly see the difference between a 25 bar commutator and a 35 bar

commutator (see Figures 1 and 2). The chart also provides the OE Delco armature number for each voltage application. You can accurately cross reference a Delco armature number to your designated supplier part number to insure you get a correct match.

It can be very difficult to properly test one of these higher voltage starters in your shop and know for sure from a free spin test that it will work properly when installed. The correct armature and field coils are very important to obtain the correct rotation and torque/power. If you mismatch either one along with an incorrect solenoid it will wreak havoc with your rebuilt unit.

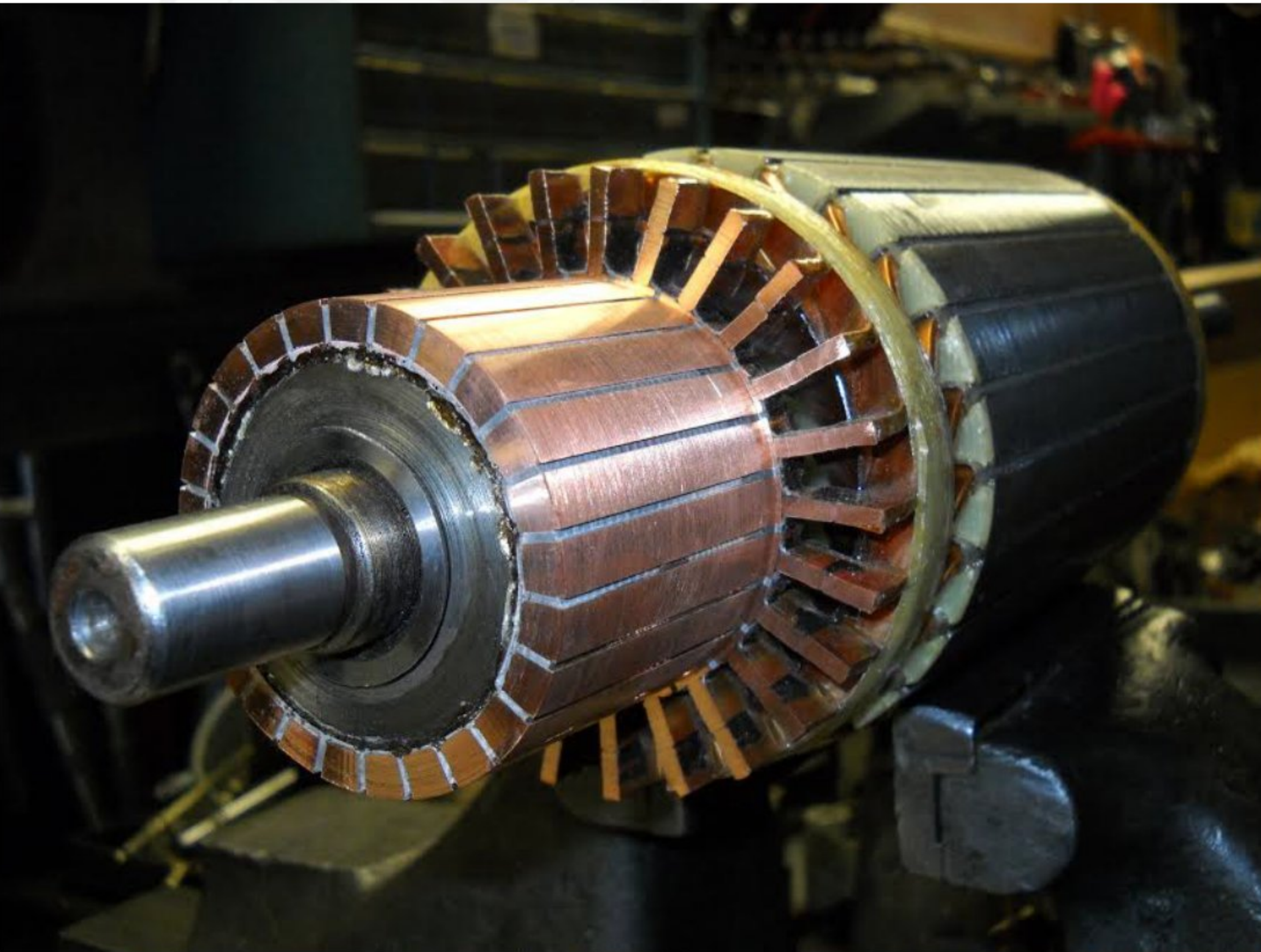


Figure 1 — 25 bar count 50MT Delco armature

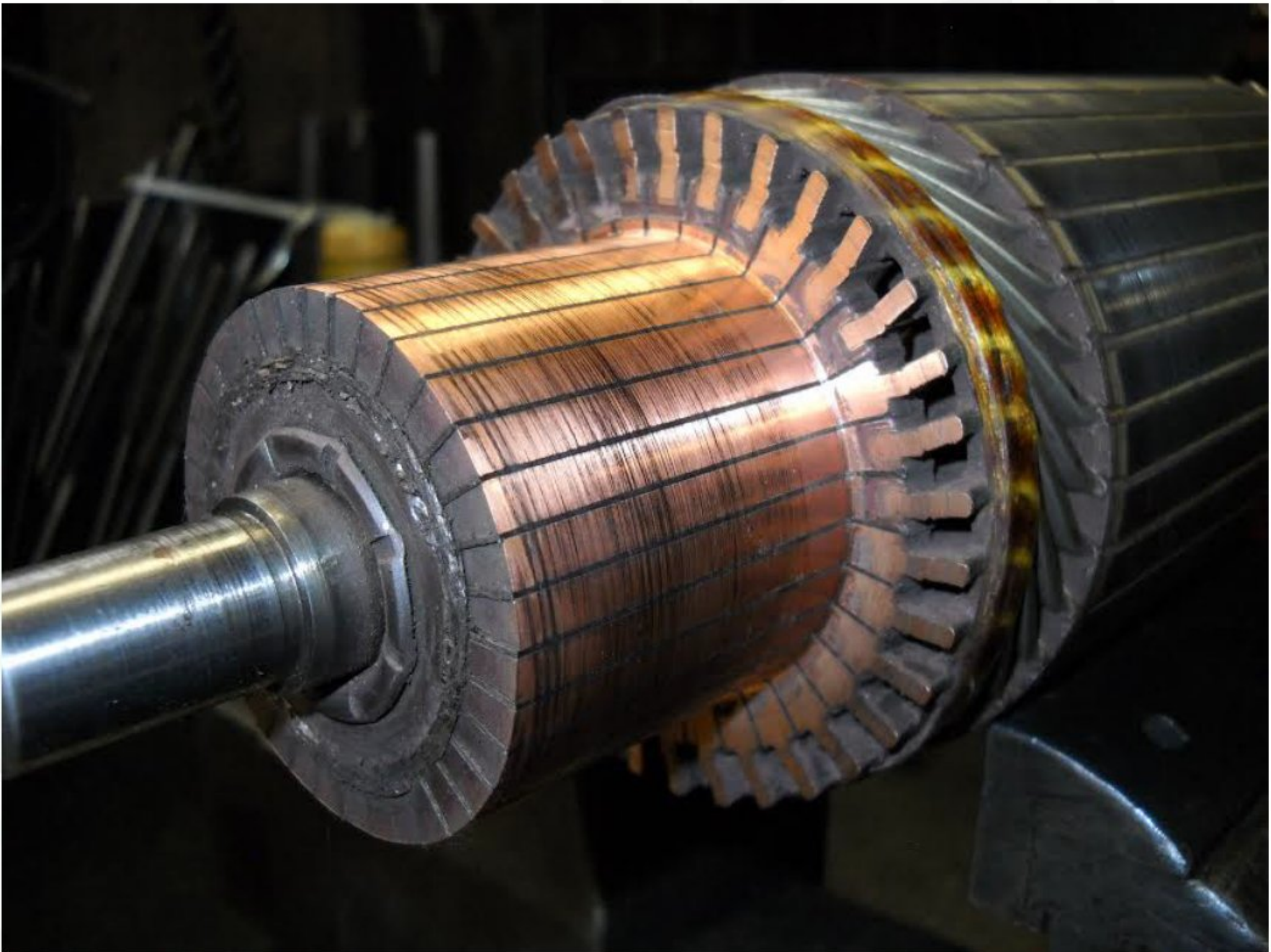


Figure 2 — 35 bar count 50MT Delco armature

DELCO REMY 50 MT Armature/Field Coil Chart					
	Armature	Voltage	Rotation	Bar Count	Field Coils
Delco	1977818	12	CW	35 Bar	1977820
Delco	1945840	24	CW	25 Bar	1945853
Delco	194584	24	CCW	25 Bar	1945916
Delco	1945913	32	CW	35 Bar	1945853
Delco	1945913	32	CCW	35 Bar	1945916, 1967345
Delco	1945913	64	CW	35 Bar	1965635, 1970247
Delco	1951254	24	CW	25 Bar	1945853
Long Shaft					