

October 17, 2008

-Pittman Announces Termination Change to many of their Express Motors-

Advantages of Brush Cartridge/Side Exiting Leads Design over Cantilever Brush/Side Exiting Terminals Design

While we are still manufacturing the Pittman Express motors, some of them now come with cartridge brush assemblies with lead wire termination vs. side exiting terminals. This is designated by the part number GM82 rather than GM87 or GM92 rather than GM94.

The cantilever brush with side exiting terminals construction models are being obsoleted. For any customer that requires the cantilever brush versions, they can place a "last time buy" for product while testing out a sample or two with the leads. Please see below information that explains the difference between the two versions.

1. More consistent brush pressure over the life of the motor due to torsion spring design results in longer life and lower EMI & RFI
2. More brush volume due to greater length and cross-sectional area results in longer life
3. Greater brush cross-sectional area results in lower current density through the brush and therefore longer life
4. Provides ability to mount components for electrical noise suppression inside the motor body
5. Eliminates need to solder close to the motor body which minimizes possibility that soldering will damage motor
6. Provides a lower lead exit profile for fitting in tight spaces
7. Allows the motor to be more easily fitted with a cover/sleeve for IP protection

PittmanExpress Cross Reference

OLD PART NUMBER (with Terminals)

NEW PART NUMBER (with Leads)

8322S001-R1	8222S001
8322S002-R1	8222S002
8322S003-R1	8222S003
8322S008-R1	8222S008
8324S004-R1	8224S004
8324S005-R1	8224S005
8324S006-R1	8224S006
8324S007-R1	8224S007
GM8712-11	GM8212-11
GM8712-21	GM8212-21
GM8712-31	GM8212-31
GM8712-41	GM8212-41
GM8712S030	GM8212S030
GM8724S008-R1	GM8224S008
GM8724S009-R1	GM8224S009
GM8724S010-R1	GM8224S010
GM8724S011-R1	GM8224S011
GM8724S012-R1	GM8224S012
GM8724S013-R1	GM8224S013
GM8724S014-R1	GM8224S014
GM8724S015-R1	GM8224S015
GM8724S016-R1	GM8224S016
GM8724S017-R1	GM8224S017
GM8724S018-R1	GM8224S018
GM8724S019-R1	GM8224S019
GM8724S020-R1	GM8224S020
GM8724S021-R1	GM8224S021
GM8724S022-R1	GM8224S022
GM8724S023-R1	GM8224S023
GM8724S024-R1	GM8224S024
GM8724S025-R1	GM8224S025
GM8724S026-R1	GM8224S026
GM8724S027-R1	GM8224S027
GM8724S028-R1	GM8224S028
GM8724S029-R1	GM8224S029
GM9413-1	GM9213-1
GM9413-2	GM9213-2
GM9413-3	GM9213-3
GM9413-4	GM9213-4
GM9413-5	GM9213-5
GM9634S002-R1	
GM9634S003-R1	

Stock Motor Cross Reference

OLD PART NUMBER (with Terminals)

9414B615
GM8712D242
GM8712E826
GM9413B618
GM9413C315
GM9413C316
GM9413C506
GM9413C555
GM9413G421
GM9413H435
GM9433G389
GMT9413E666

NEW PART NUMBER (with Leads)

9214S615
GM8212S242
GM8212S826
GM9213S618
GM9213S315
GM9213S316
GM9213S506
GM9213S555
GM9213S421
GM9213S435
GM9233S389