

Middleby Cooking Systems Group



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Middleby Marshall® Service Bulletin

SUBJECT

New conveyor gear motors, brushes, and pickup clamps for Middleby Marshall ovens

GENERAL

The conveyor gear motors used on all Middleby Marshall ovens (except model PS536) have been redesigned by the vendor. Changes to the motors include:

- A smaller-diameter motor casing.
- New motor brushes.
 - Old-style motors continue to use brush P/Ns **22450-0052** or **22450-0230** as shown in the table below.
 - All of the new motors use brush P/N **46658**.
- A shorter clamp to attach the pickup assembly. This accommodates the smaller diameter of the motor.
 - The pickup assembly with the original clamp is still available as P/N **27170-0263**. This kit is only available in limited quantities. After our stock of the old-style pickup assembly kit is exhausted, you will need to save the existing clamp to attach a new pickup assembly to an old-style motor.
 - The pickup assembly with the new, shorter clamp is available as P/N **46451**.
 - All of the new motors will be shipped in a kit that also includes the new clamp. This allows you to attach an existing pickup assembly to a new motor.
 - In 7/01 and 8/01, some of the new motors were shipped under the part numbers of the old motors. These parts shipped without the new clamp. In most of these cases, you can tighten the existing clamp to fit the new motor. Some older clamps, however, cannot be tightened enough to fit. To be sure that you can install the new motor in all ovens, you should add the new clamp, P/N **46602**, to your required parts stocking list, and carry a few spare clamps on each service vehicle.

Please be aware of these changes as you order your stocking parts. Some versions of the old motor, as well as the old-style pickup assembly, are still available in limited quantities. The brush for the old motor (P/N **22450-0052**) will remain available in order to maintain motors already in the field.

Ratio	Used on	Old Motor	Old Brush	Old Pickup	New Motor*	New Brush	New Pickup	New Clamp
1400:1	PS310 PS314 PS360/360S PS360SS High Speed PS360T Tandem PS360WB PS360WB70 PS360EWB PS555 PS570/570S Single Belt	27384-0008	22450-0052	27170-0263	46603	46658	46451	46602
1350:1	PS200/220FS/224 PS200VL/220VL/224VL PS200R68/220R68/224R68 PS200T Tandem PS570/570S Split Belt (Standard)	27384-0011	22450-0230	27170-0263	46604	46658	46451	46602
600:1	PS314SBI	27384-0003	22450-0052	27170-0263	46605	46658	46451	46602
300:1	PS200/220FS/224 (High Speed) PS570/570S Split Belt (High Speed)	27384-0014	22450-0230	27170-0263	46606	46658	46451	46602

* "New Motor" part numbers shown in this table are kits that include both the motor and the new pickup clamp.