

Instructions for Service Kit 50103 PS536 Bearing Replacement Kit

KIT COMPONENTS:

Qty.	P/N	Description
1	48725	Bearing, 5/8" bore (standard)
1	48726	Bearing, 5/8" bore (adjustable)
1	50120	Instructions

TOOLS REQUIRED:

- Wrench with 1/2" and 1/4" hex sockets
- Allen key, 5/32"
- Flat-bladed screwdriver

This Service Kit replaces the bearings on one Middleby Marshall PS536 oven. If one bearing must be replaced, you should replace both at the same time using this Kit.



WARNING

BEFORE PERFORMING ANY SERVICE WORK, THE ELECTRICAL POWER SUPPLY AND THE GAS SUPPLY MUST BE TURNED OFF.

1. Disconnect the oven from its electrical power supply at the circuit breaker/fused disconnect. For gas ovens, shut off the gas supply to the oven.
2. Remove the back wall from the oven.
3. Loosen the hex bolts that hold the motor plate in place to add slack to the drive belt. Then, slip the belt off the blower shaft sprocket.
4. Loosen the four 5/32" Allen screws on the blower shaft compression fitting. Then, slide the right section of the shaft to the right, leaving a gap. Remove the compression fitting from the shaft.
5. Loosen the set screw on the blower shaft sprocket. Slide the sprocket off the shaft. Then, slide the belt free of the shaft so that the bearings can be removed.
6. Remove the four hex bolts that hold the bearings to the inner back wall. Remove and discard the bearings by sliding them down the shaft to the gap.
9. Replace the compression fitting, bringing the shaft sections back together. Tighten the Allen screws on the fitting.
10. Check the position of the shaft sprocket and reposition it if necessary so that it is aligned with the motor sprocket. Then, tighten the set screw on the sprocket.
11. Adjust the motor position until the belt has the proper 1/4" (6.4mm) deflection. Tighten the hex bolts to hold the motor in place.
12. Check that the shaft rotates freely. Then, reinstall the back wall onto the oven.
13. Restore the gas and electrical supply to the oven. The oven is now ready for operation.

IMPORTANT: If the old bearings were mounted on teflon gaskets, you **MUST** remove and discard the gaskets before installing the new bearings.

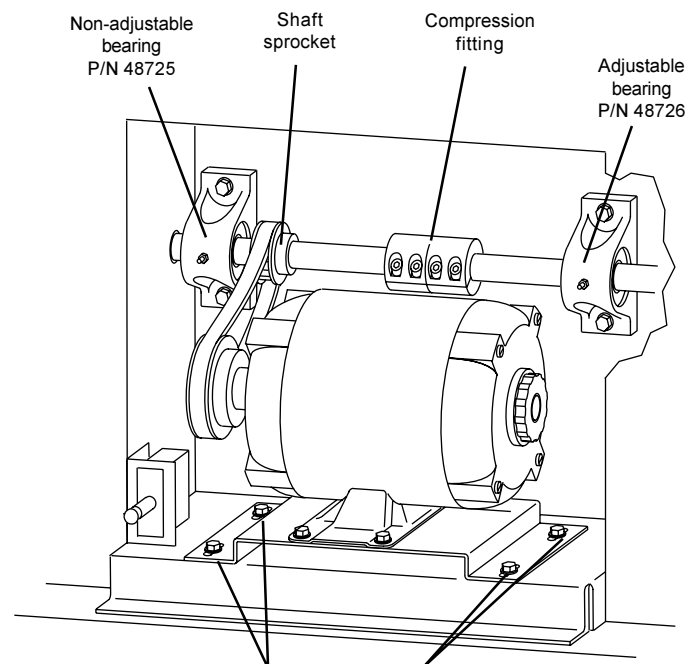
7. Install the kit-supplied bearings **WITHOUT** mounting them on a teflon gasket.

One of the bearings (P/N 48726) is adjustable, allowing the shaft to move back and forth slightly inside the bearing housing. This bearing should be installed on the right as you face the rear of the oven.

The other bearing (P/N 48725) is "standard" and does not allow the shaft to move back and forth. This bearing should be installed on the left as you face the rear of the oven, so that it is closer to the drive belt.

8. Replace the blower shaft sprocket and the drive belt. You should leave the set screw on the sprocket loose until the shaft sections have been reconnected.

Figure 1



Loosen four (4) screws to adjust motor position and belt tension