

In Kit 826-1602		
Quantity	Description	Part Number
1	Motor	106-0112
6	Wire wraps	814-0015
4	Nut, 8-32 Hex Keps	809-0247
1	Bushing brace	200-0239
1	Instructions	819-5774
1	Lubricant	106-0127
Needed for Service Call		
4	Roller sprockets	810-1728
2	Idler Sprockets	810-1690
1	Chain Adjustment /Crumb Tray Kit	826-1583
1	Drive Sprocket	810-1629

Motor and Upgrade Kit for McDonald's Vertical Toaster Kit 826-1602

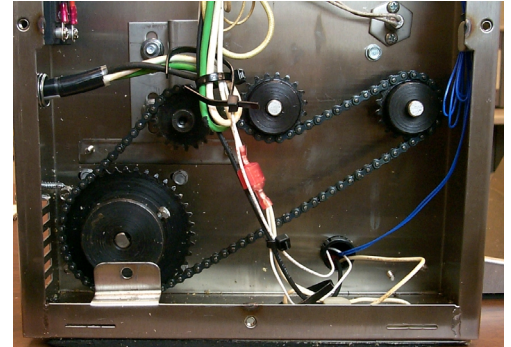


Fig 1: Here's a look at the drive chain in the toaster with the vertical brace removed.

Follow these steps to install Kit 826-1602 in a McDonald's Vertical Toaster.

- Check line voltage. Ensure toaster is set for line voltage. If not, restrap transformer and motor for applicable voltage.
- Remove power from toaster.
- Remove the compression knobs and controller side of the toaster.
- Cut the wire wraps from the vertical brace in the cabinet and remove the brace, which provides access to the bolts holding the motor in place.
- Loosen the idler and release the tension on the chain.

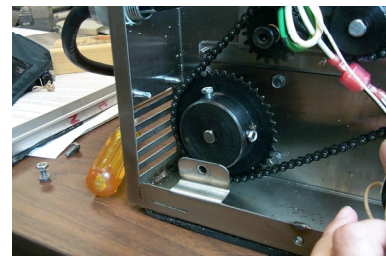


Fig 2: Two bolts hold the drive sprocket on the motor's drive shaft. When the sprocket is removed, the four machine bolts that hold the motor in place are accessible.

Replacing Motor

- Remove the chain. Fig 1.
- Remove the two screws that hold the drive sprocket to the motor's shaft. Note that one bolt rests against the flat side of the motor's shaft. Fig. 2
- Lay the unit on its back. Use a 2x4 or a similar block under the toaster to avoid stressing the power cord. Fig 3.
- Remove the bottom of the unit.

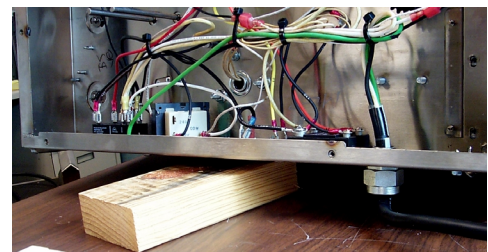


Fig: 3 Rest the unit on a 2x4 or some similar object to avoid stressing the power cord.

- Remove the bolts that hold the motor in place. It is necessary to support the motor with your hand as you remove the final bolt.

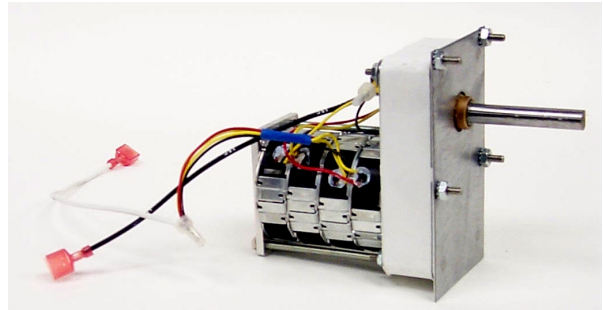


Fig 4: Note: The new motor comes with nuts in place on the mounting studs. Remove the nuts before installing the motor and use these nuts to fasten the motor in place.

- Disconnect the wiring and remove the old motor.
- Remove the nuts from the studs on the new motor and align the studs with the mounting holes in the motor cavity. Ensure it is shifted as far toward the front of the toaster as possible. Use the nuts removed from the motor to tighten it in place. Fig. 4, 5, 6.

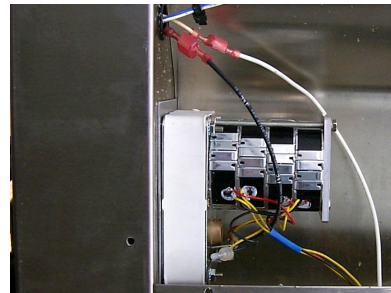


Fig: 5 Here the motor is shown in place on the bottom of the toaster.

Installing Drive Sprocket

- Replace the bottom of the unit and sit it upright.
- Position the sprocket on the end of the drive shaft with the setscrews facing out. Fig 7.

Use a ruler to measure the distance from the cabinet wall to the smaller drive-roller sprocket. Use this measure to set the depth of the larger drive sprocket. Use the setscrews to attach the large sprocket to the motor's shaft, ensuring one setscrew is resting against the flat on the shaft. **Do not over tighten the bolts on the sprocket.**

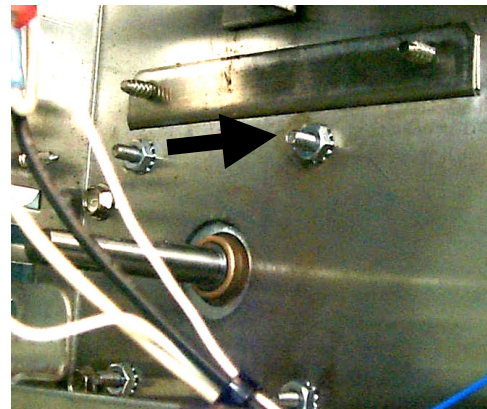


Fig: 6 Check the mounting slots before tightening the motor mounting bolts to ensure the motor is shifted toward the front of the toaster.

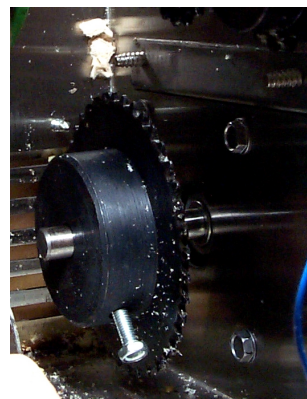


Fig: 7 The large sprocket goes on the motor's drive shaft with setscrews facing out. It is critical this sprocket be positioned at the same distance from the cabinet wall as the smaller drive-roller sprockets. The chain must run in a flat plane to prevent popping.

Examining Sprockets

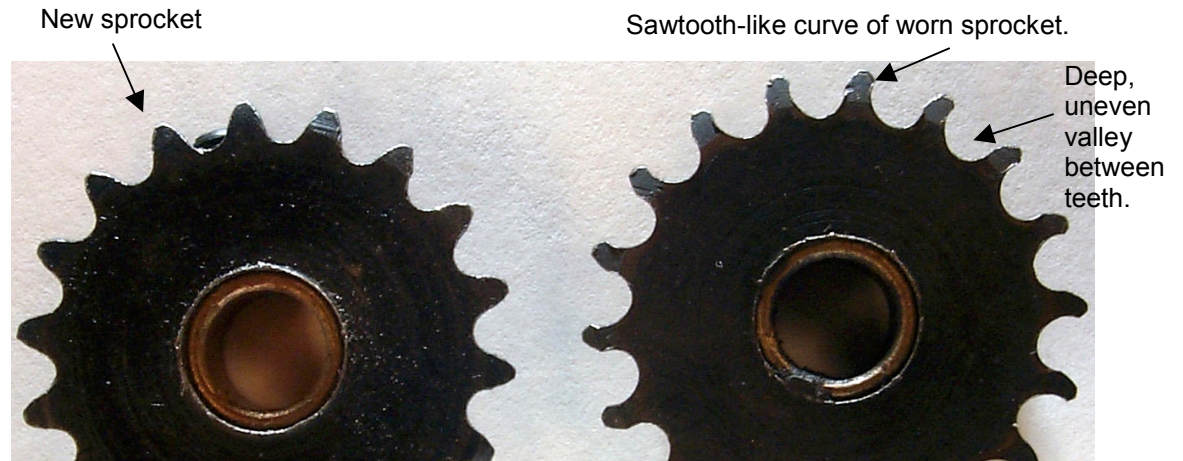


Fig: 8 A badly worn idler sprocket is shown at right above. A new sprocket is shown at left for comparison. Note the sawtooth-like directional curve of the worn sprocket's teeth. Also note the depth and uneven wear between the teeth. Sprockets showing this type of wear should be replaced.

- Examine the drive and idler sprockets carefully. The wear between the sprocket's teeth should be evenly distributed. If the sprocket's teeth have a pronounced sawtooth-like curve (see photo) the sprocket should be replaced. Fig. 8.
- Reinstall and lubricate the chain.
- Replace angled bracket and secure wiring bundle with wire wraps.
- Return power to the toaster and run it briefly to ensure the chain is running in a flat plane and there is no popping associated with the chain. Adjust the position of the main sprocket as necessary to put it in the same plane as the smaller drive sprockets, which ensures a flat path for the chain and quiet operation.
- Remove power from toaster.

Installing Bushing Brace

- Loosen heater cartridge and pull out a few inches.
- Loosen the screw holding the ground wires and the nearby screw, which helps hold the conveyor assembly in place. See Fig 9.
- Slide brace onto bushing of the front drive roller and slide into place on second drive roller.
- Ensure brace fully straddles bushing where it protrudes from the toaster cabinet. Fig 10.
- Replace screw securing ground wire and conveyor assembly.
- Return heater cartridge and tighten screws. Fig 11.
- Reinstall side.
- Replace the side panel and replace compression knobs. The setscrews in the knobs go to the flats on the compression setting shafts.
- Set knobs to 3 and C.
- Apply power and verify correct operation.

Remove these screws to accommodate mounting the brace.

Slide heater cartridge forward to create space to slip brace into place.

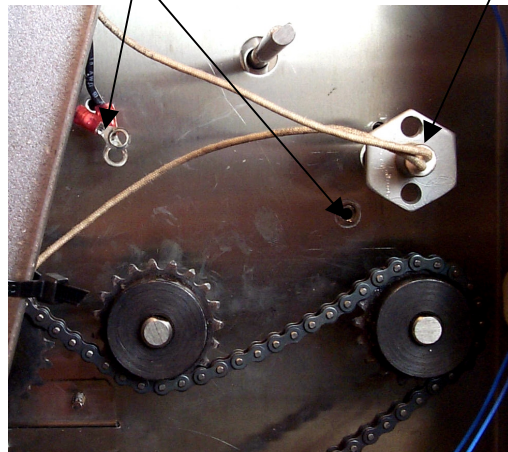


Fig: 9 Loosen heater cartridge and slide forward two to three inches. Remove ground screw and conveyor-support screw.

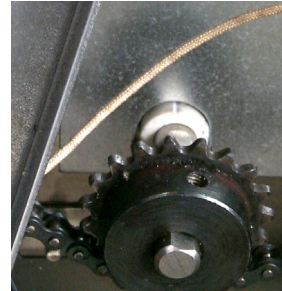


Fig: 10 Ensure brace straddles bushings surrounding roller shafts.

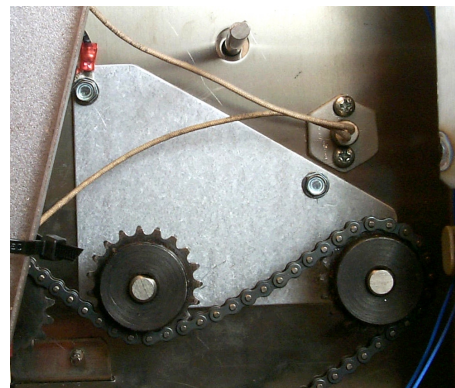


Fig: 11 Replace grounding screw and wires, conveyor-support screw, push heater cartridge into place and secure with two screws.