

826-1666 Vertical Toaster Idler Installation Kit

Follow these instructions to install the spring-loaded idler and new chain on the McDonald's Vertical Toaster. Use the attached check list to ensure all previous upgrades have been made.

- Remove power from toaster.
- Set cam-positioning knobs to the lightest settings, 5 and E.
- Remove knobs.
- Remove side plate on controller side.
- Cut tie wraps from vertical support inside cabinet and remove vertical support.
- Remove idler bracket, chain and discard.
- Rest toaster on its back, being careful not to stress the power cord.
- Remove two left-most screws from toaster bottom plate. These are the screws immediately under the controller housing. Fig. 1.
- Use a 9/32 bit to drill out the bite hole. Fig. 2
- Position the idler in the toaster cabinet with the bracket's attached mounting nuts resting over holes used to secure the bottom of the toaster. Fig. 3.
- Insert ¼ x 20 x 3/4 bolts provided in the kit through the toaster bottom plate and into the mounting nuts attached to the idler assembly.
- Secure idler.
- Ensure the idler bracket is seated flat on the floor of the toaster cabinet.
- Inspect the sprocket on the drive motor and the two smaller drive sprockets for excessive wear. Replace if necessary.
- With a ruler, measure the distance between the interior wall of the toaster and the teeth of the newly installed idler. The gap should be between 7/8 and one inch. Fig. 4.
- Loosen the drive sprocket or install a new one and ensure it is set at the same distance from the cabinet wall as the idler. All sprockets, including the new idlers, should be installed with the shoulder facing out.
- Tighten drive sprocket

In Kit 826-1666		
Quantity	Part Number	Description
1	106-0444	Tensioner assembly
1	819-5800	Instructions
1	810-1979	Chain
1	106-0459	Bracket assembly
2	809-0131	¼ x 20 x 3/4 bolt
4	814-0015	Wire ties

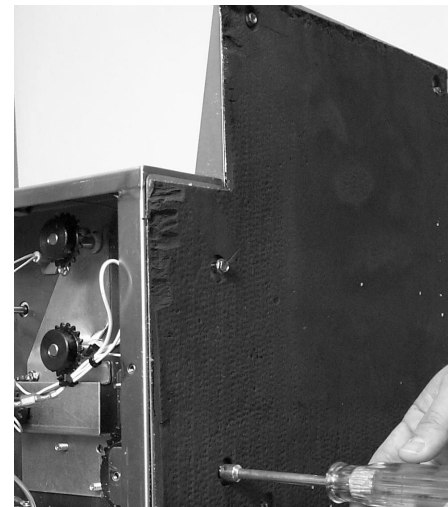


Fig. 1: These screws are removed and are replaced with provided ¼ x 20 bolts.

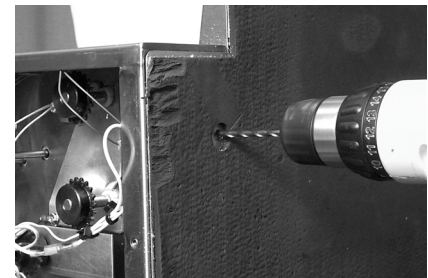


Fig. 2: Use a 9/32 bit to drill out the bite hole in the cabinet. New screws, which will hold the spring-loaded idler, are provided for this position

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- Loosen with an allen wrench the two smaller drive sprockets. Replace these sprockets if they show excessive wear. New or existing smaller drive sprockets should be free to rotate on their axles at this point of the installation.
- Drape the new chain, which is prelubricated, on the drive sprocket and the new upper idler, which should not be attached to the toaster at this point.
- Route the chain as shown in Fig. 6.
- Position the new upper idler on the studs in the cabinet and tighten into place. There should be 1/8-inch deflection from center in the chain without pressure from the tensioner applied. Fig 5. **Note:** Ensure the drive motor is mounted as far forward as possible, which ensures adequate slack in the chain.
- With small drive sprockets still loose, return power to the unit and run with side off.
- Allow the motor to run for a minute or more. The motion of the chain will align the smaller drive sprockets with the large drive sprocket and the idler sprockets. This alignment is critical.
- Turn off the toaster and remove power after the sprockets have aligned. Ensure the alignment by taking measurements from the teeth of the smaller drive sprockets to the wall of the toaster. The distance must be equal to the distance between the wall and the lower idler sprocket. Adjust if necessary. Again, this alignment is critical.
- Rotate the axles inside the small drive sprockets to align the flat with the allen screw. Be careful. Don't misalign the sprocket.
- Tighten allen screws on small drive sprockets.
- Reinstall vertical upright in cabinet and attach loose wires with wire ties.
- Replace side.
- Replace knobs, setting them to 3 and C, the normal settings.

Fig. 4. Measure the distance from the toaster's interior wall to the teeth of the new idler's sprocket. This distance establishes the distance other sprockets will be adjusted to, ensuring the chain runs in a flat plane.

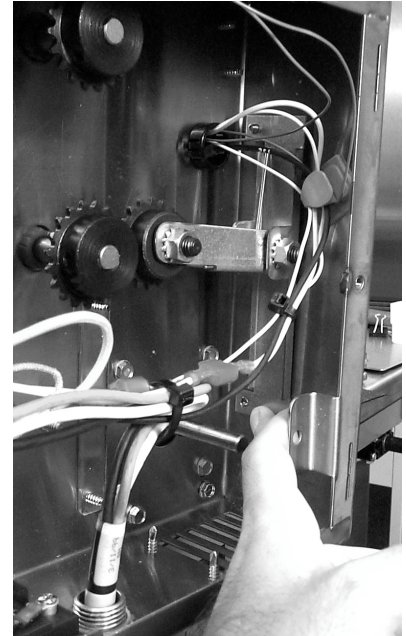
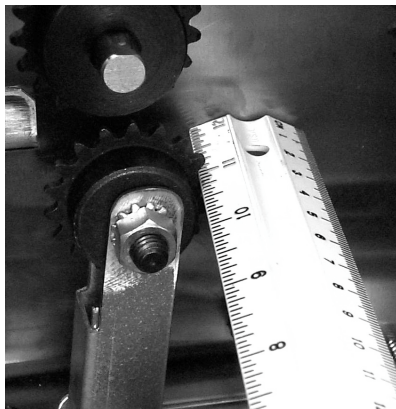


Fig. 3: Position the idler over the existing holes in the cabinet previously used to secure the toaster's bottom. Note the toaster is shown resting on its side.

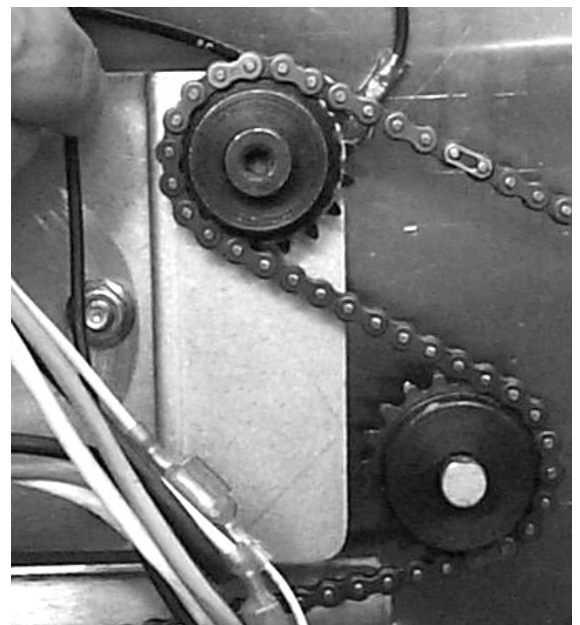


Fig. 5: With the chain on the upper idler, position the bracket on the cabinet studs and bolt into place.

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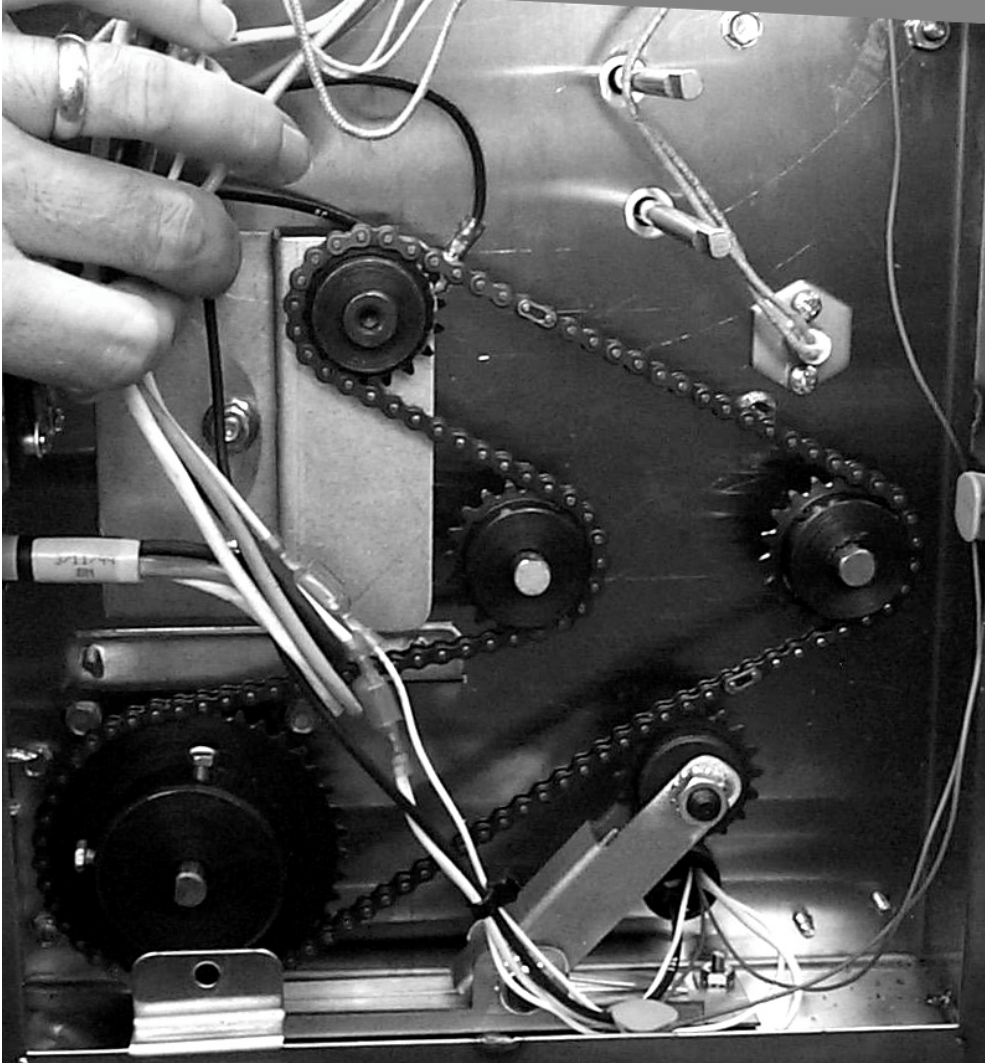


Fig. 6: The chain must be routed in this path. The sprockets must all be the same distance from the cabinet wall to ensure the chain runs in a flat plane.

- Return power to the toaster and ensure proper operation.
- Upon completion of installation and inspection for previous upgrades in a store's toasters, call 1-877-392-7770 or 318-218-8020 and provide the serial number for each toaster, the store's number, address and phone number. Also report the number of motor or drive sprockets replaced. This call should be made from the store immediately upon completion of installation and inspection.
- Complete checklist for each toaster. The checklists are to be returned to Frymaster with the CFESA form.

Vertical Toaster Supplemental Parts List

Quantity needed per toaster	Part Number	Description
Springs/Bushings		
6	810-1818	Spring
4	812-1402	Bushing, large
6	810-1810	Bushings, small
1	910-9528	Bushing Retainer, Double
2	910-9537	Bushing Retainer, Single
Rollers/Axles		
1	806-9318	Drive Roller, Front
1	806-9199	Drive Roller, Rear
2	810-1718	Short Upper axle
1	810-1721	Long Upper axle
Motor/Capacitor		
1	106-0112	Motor, SAIA
1	826-1622	SAIA Motor Capacitor Kit
Braces/Sprockets/Barriers/Knobs/Belts/Switches		
1	200-0239	Bushing Brace
2	810-1728	Roller Sprockets
1	810-1629	Drive Sprocket
1	200-0179	Crumb Tray
2 Ft.	811-0068	Heat Shrink
1	210-0318	Crumb Barrier
1	910-9458SP	Cover Stiffening Bracket
1	910-9460SP	Cover Stiffening Bracket
2	810-1692	Knob, Blue
2	810-1662	Knob, Silver
1	826-1554	Cover interlock switch
1	816-0379	Belt, Rear cook
1	816-0389	Belt, Front
Clips/Retainers/Fastners		
6	810-1776	Clip
6	809-0647	E-Clip
8	809-0745	Washer, .75 OD
4	809-0247	Nut, 8-32 Hx Keps
1	826-1385	Ty Wraps (25)
2	809-0434	Screw, #10 x 3/8 Hx
12	809-0266	Screw, #10 x 1/2
4	809-0728	Screw, #10x5/8 self tapping

Vertical Toaster Inspection Checklist

Retrofit/Action Description	Toaster Serial #			Toaster Serial #		
	Yes	No	Corrected?	Yes	No	Corrected?
White bushings installed (Kit 826-1567) 6 small (upper) / 4 large (lower)						
Inspect shaft ends on upper roller axles. Replace smooth-end axles.						
New top roller springs installed (Kit 826-1567)						
New SAIA Motor and bushing brace installed (Kit 826-1602)						
.27µf motor capacitor installed (P/N 826-1622SP)						
Chain crumb guard installed (Kit 826-1583)						
Check platen lower bracket for interference with rear lower roller (Kit 826-1614)						
Power cord heat shrink installed on units with power cords dated prior to 12/99. Date is stamped on white sleeve around power cord just inside cabinet. (Kit 826-1583)						
Check all sprockets for wear (Kit 826-1583)						
Install new idler sprocket tensioning bracket (Kit 826-1666)						
Sprockets aligned correctly						
Chain tension correct (1/8" deflection from center with tensioner removed from chain).						
Cook belt tension adjusting knobs missing or broken						
Cook belt tension knobs arranged correctly						
Cover braces installed per Service Bulletin. AD-46-99						
Screws and hardware missing						
Provide store manager with Vertical Toaster PM card.						
Contact 1-877-392-7770 or 318-218-8020 and provide information on reworked toasters.						

Date: _____

ZIP: _____

Store number: _____

Store Phone # _____

Store street address: _____

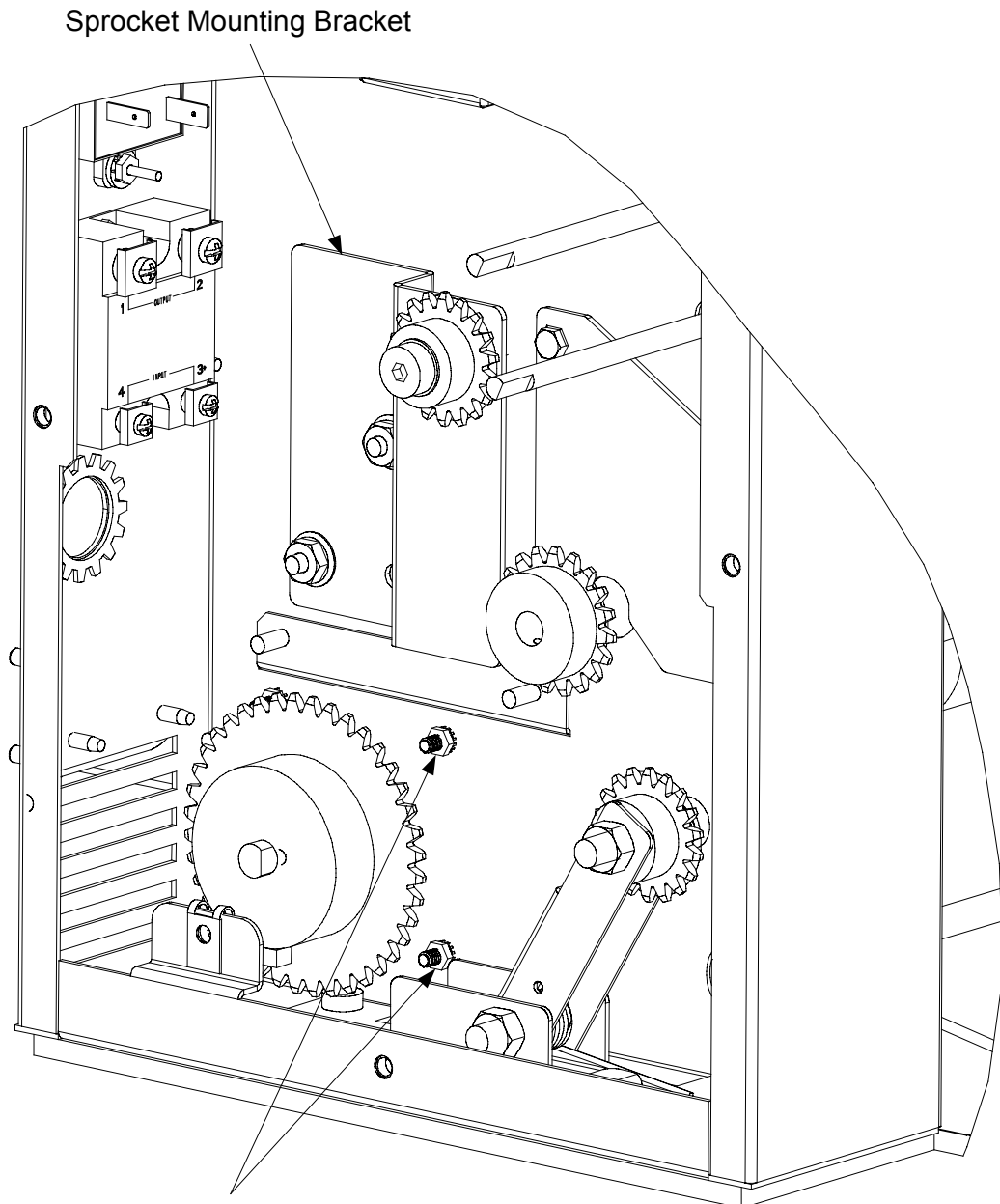
Technician: _____

City: _____

State: _____

Addendum to VT Tensioner Kit Instructions 819-5800

Approximately 75 Vertical Toasters manufactured between May 2000 and September 2000 require a modified sprocket mounting bracket for proper spring tension. These toasters can be easily identified by examining the motor mounting holes as shown in the illustration below. **TOASTERS THAT DO NOT HAVE SLOTTED MOUNTING HOLES REQUIRE THE MODIFIED BRACKET.** Contact Frymaster Technical Services at 1-800-551-8633 to request the bracket.



Check for slotted mounting holes here. **If the holes are NOT slotted**, contact Frymaster Technical Services at 1-800-551-8633 and ask for the modified sprocket mounting bracket.

Addendum to Kit 826-1666

Inspect shaft ends on all upper roller axles. Some early toasters may have smooth-end shafts, which are incompatible with the white bushings and can contribute to constricted movement of the upper rollers.

If the original, smooth-end shafts are in place, replace them with the newer shafts, which are easily identified by the D-shaped cut and the milled portion.

