

**KIT PART NUMBER 4310116
INSTRUCTIONS FOR INSTALLING
FIELD UPGRADE KIT 4310116 ON A 431 MERCHANDISER**

CHECK THE PARTS RECEIVED IN THIS KIT WITH THE PARTS LIST IN THESE INSTRUCTIONS. IF ANY PARTS ARE MISSING CONTACT THE CRANE MERCHANDISING SYSTEMS' PARTS DEPARTMENT AT 1-800-621-7278.

Read these instructions carefully before installing the kit.
Keep these instructions for part numbers and for future reference.

THIS KIT CONTAINS THE FOLLOWING:

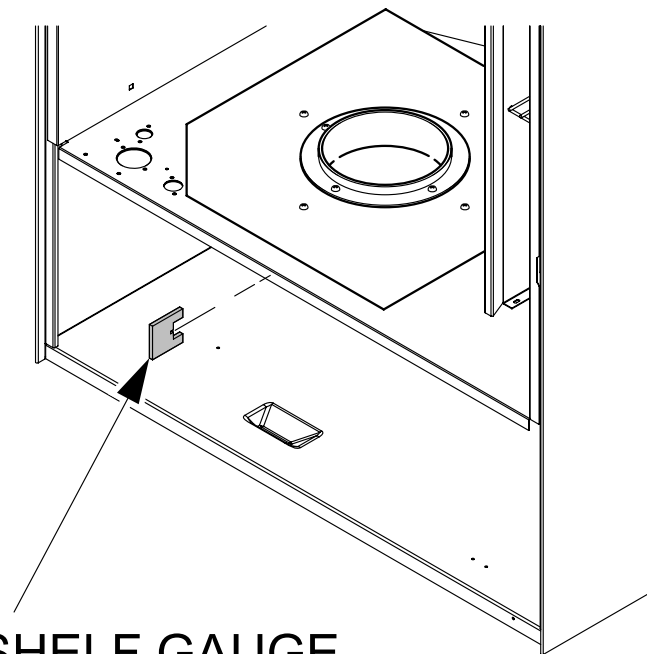
PART NUMBER	DESCRIPTION	QUANTITY
4311265	GAUGE - TURRET - SHELF	1
4311267	PLATE - ROLLER - SHIM 1	1
4311268	PLATE - ROLLER - SHIM 2	1
4312214	SCREW #8-18 X 3/4 RHP TAPPING	1

Verify the Upgrade is Necessary

Before installing this kit, make certain the merchandiser requires it.

1. Slide Turret Shelf Gauge (p/n 4311265) onto the shelf.
 - a. Measure the gap between the gauge and the shelf. If it is less than .25", no upgrade is necessary.
 - b. If the gap is greater than .25", then proceed to the next section.

NOTE: Turret shown removed for clarity - measure shelf BEFORE removing turret!



**TURRET SHELF GAUGE
4311265**

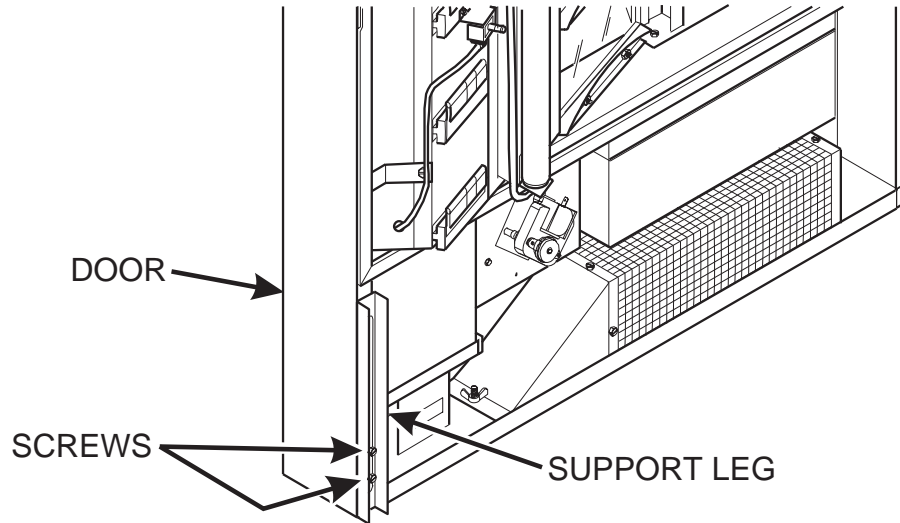
Drum Assembly Removal and Replacement

1. Unplug the merchandiser from its power source. Failure to do so may result in electric shock.

WARNING

The Shoppertron door is heavy. Once the turret is removed from the cabinet, the weight of the door may cause the entire machine to tip towards you, causing potential injury or death. Use the support leg or a solid object to brace the end of the door farthest away from the hinges prior to removing anything from the Shoppertron cabinet.

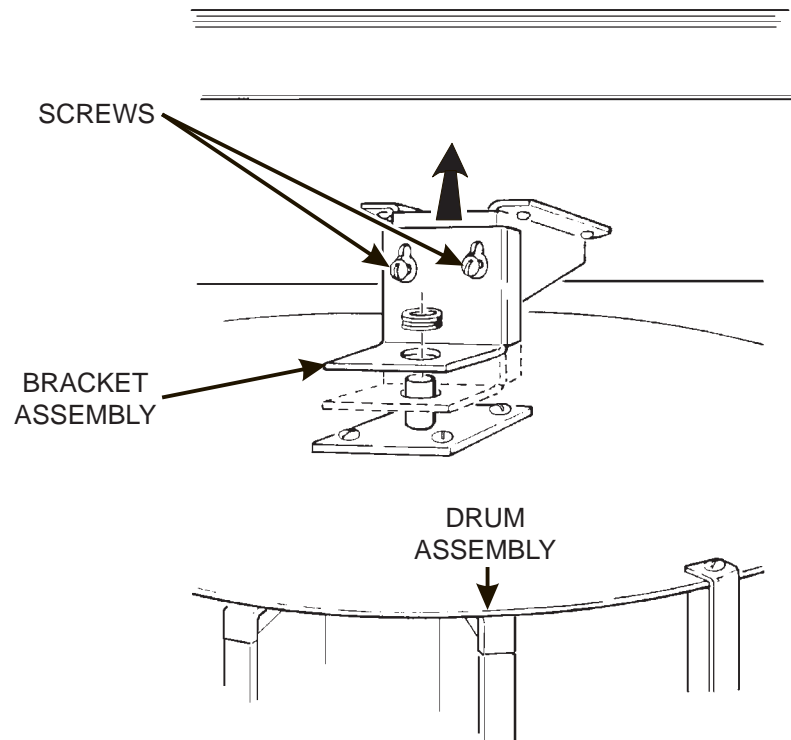
2. Loosen the two screws holding the support leg to the door.



Extending the Support Leg

3. Slide the support leg all the way down toward the floor.
4. When the door support channel is as far down as it will go, tighten the two screws securely. The door support channel **MUST** be able to hold up the door without sliding upwards.
5. Remove any food from the drum assembly.

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6. Loosen the two screws and remove the top bracket assembly (p/n 4311224).



Drum Assembly Removal and Replacement

7. Lift straight upwards on the turret to free it from the bearing assembly in the bottom of the cabinet.

WARNING

The **EMPTY** weight of the turret is approximately 75 lbs (34.0kg) and is awkward to remove by one person. To avoid personal injury or equipment damage, this procedure should be performed by no fewer than two people.

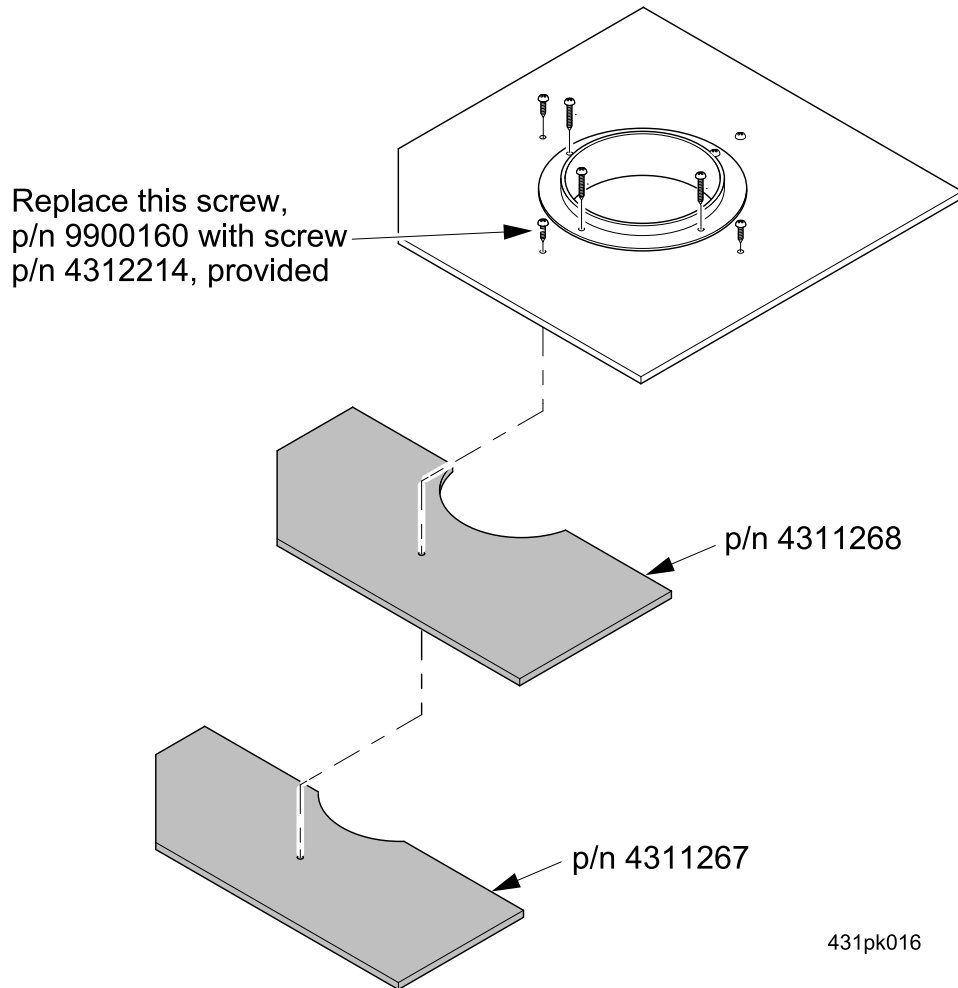
8. Remove the turret from the cabinet and gently set it on the floor.

CAUTION

The turret has parts on the bottom that could be damaged by rough handling.

Install the Shims

1. Remove the front three screws from the Roller - Plate - Cabinet (p/n 4317004) and front three screws of the Turret Bearing (p/n 4311054) as in the image below.
2. Slide the smaller shim plate (p/n 4311267) under the Roller - Plate - Cabinet (p/n 4317004). Adjust the shim so that the roller plate's front screw, removed in step 1 can be replaced through the Roller-Plate-Cabinet and the small shim plate.



3. Return to “**Verify the Upgrade is Necessary**” on page 1 and re-check the turret shelf.
 - a. If the gap is still excessive, proceed to step 4.
 - b. If the gap is acceptable, proceed to step 6.
4. Install the larger shim plate (p/n 4311268) between the smaller shim plate (p/n 4311267) and the Roller - Plate - Cabinet (p/n 4317004). Adjust the shim so that the roller plate's front screw, removed in step 1 can be replaced through the Roller-Plate-Cabinet and the two shim plates.
5. Recheck the gap as in “**Verify the Upgrade is Necessary**” on page 1. If the gap is acceptable, then proceed to the next step. If it is still not acceptable, then an additional shim kit will be necessary.
6. Replace the rest of the screws removed in step 1.

Replace the turret.

1. Lift the turret into the cabinet and carefully set it down on the bearing assembly.
2. Slip the bearing support bracket onto the shaft on the top of the turret.
3. Secure the bearing support bracket to the inside of the cabinet using the two screws and washers removed previously.
4. Loosen the screws securing the support leg and slide it back up to its original position.
5. Re-tighten the screws.