

Middleby Cooking Systems Group



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Service Bulletin

SUBJECT: Timer sensor sheath adjustment on TP, HT, and BTW series pop-up toasters

GENERAL: The timer board sensor on Toastmaster pop-up toasters is covered by an insulating sheath, as shown in the photos below. This insulation prevents the sensor from coming into contact with metal components in the interior of the toaster.

During shipment or excessive movement of the toaster, the sheath can slide back on the sensor wires, exposing the tip of the sensor. If an exposed sensor touches a metal surface inside the toaster, the timer will short-circuit. When this occurs, the toaster will heat but the spring latch will not release.

The area most likely to touch an exposed timer sensor is the mounting prong of the bread rack, shown in Figure 1. The prongs protrude about 1/4" (6mm) out from the inside front panel of the toaster, making contact with an exposed sensor more likely than with other metal components.

APPLICATION: When servicing any Toastmaster TP, HT, or BTW series toaster, check the position of all insulation sheath(s), as shown in the photos below. Two-slot toasters have one timer sensor, while four-slot toasters have two sensors.

Each sheath MUST extend at least 1/4" (6mm) beyond the end of its timer sensor, as shown in Figure 3.

If it is necessary to reposition the sheath, perform the following steps:

- Loosen the sensor mounting screw, shown in Figure 2.
- Gently slide the insulating sheath along the sensor wires, until it extends at least 1/4" (6mm) past the end of the sensor. See Figure 3 for the correct position of the sheath.
- Tighten the screw to hold the sensor and sheath in place.

COMPATIBILITY: This procedure is compatible with the following current-production Toastmaster pop-up toasters:

- TP209, TP224, TP409, TP424, TP430
- HT409, HT424
- BTW09, BTW24

NOTE: This problem MAY also occur on (discontinued) Toastmaster model TP44, TP120, and BT120 pop-up toasters. However, the mounting prongs of the bread racks are much shorter on these toasters. This makes contact between an exposed timer sensor and the rack much less likely.

Figure 1

Timer board sensor(s) (1 for 2-slot toasters,
2 for 4-slot toasters)

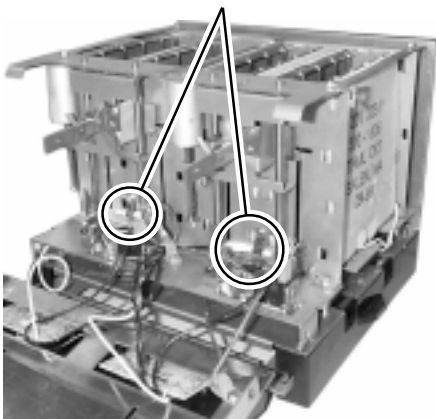


Figure 2

Exposed tip of sensor
Sensor mounting screw
Prong on wire rack

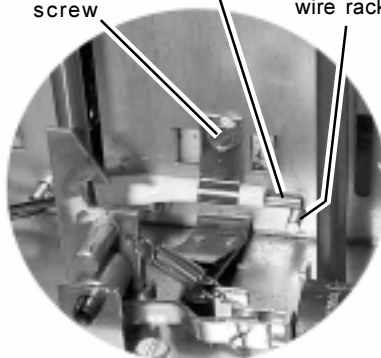


Figure 3

Insulation repositioned to cover sensor

