

New Electromechanical Icemaker

WR30X10093



imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure

Copyright 2008 General Electric Company

New Electromechanical Icemaker

Electromechanical
WR30X10093

Supersedes
Electronic
WR30X10061



NEW

WR30X10093

Note: The two icemakers are *interchangeable*. The WR30X10061 operates in refrigerators produced with the electromechanical model. The WR30X10093 operates in all refrigerators, including models with the older electronic icemaker.



OLD

WR30X10061



imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure
Copyright 2008 General Electric Company

WR30X10093 Specifications

- 7 cube mold
- 2 lbs ice production per 24 hours
(approximately 70 – 100 cubes)
- Normal cube height $\frac{3}{4}$ " at midpoint
- Normal water fill is 95 cc's per cycle
(approximately 3 ounces)
- Normal fill time is 5.1 seconds
- Normal cycle time is 3 minutes
- Water fill adjustment screw
- On/Off slide lever



imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure
Copyright 2008 General Electric Company

On/Off Slide Lever

New design
On/Off slide lever
holds feeler arm
in “OFF” position
or allows free
movement in “ON”
position



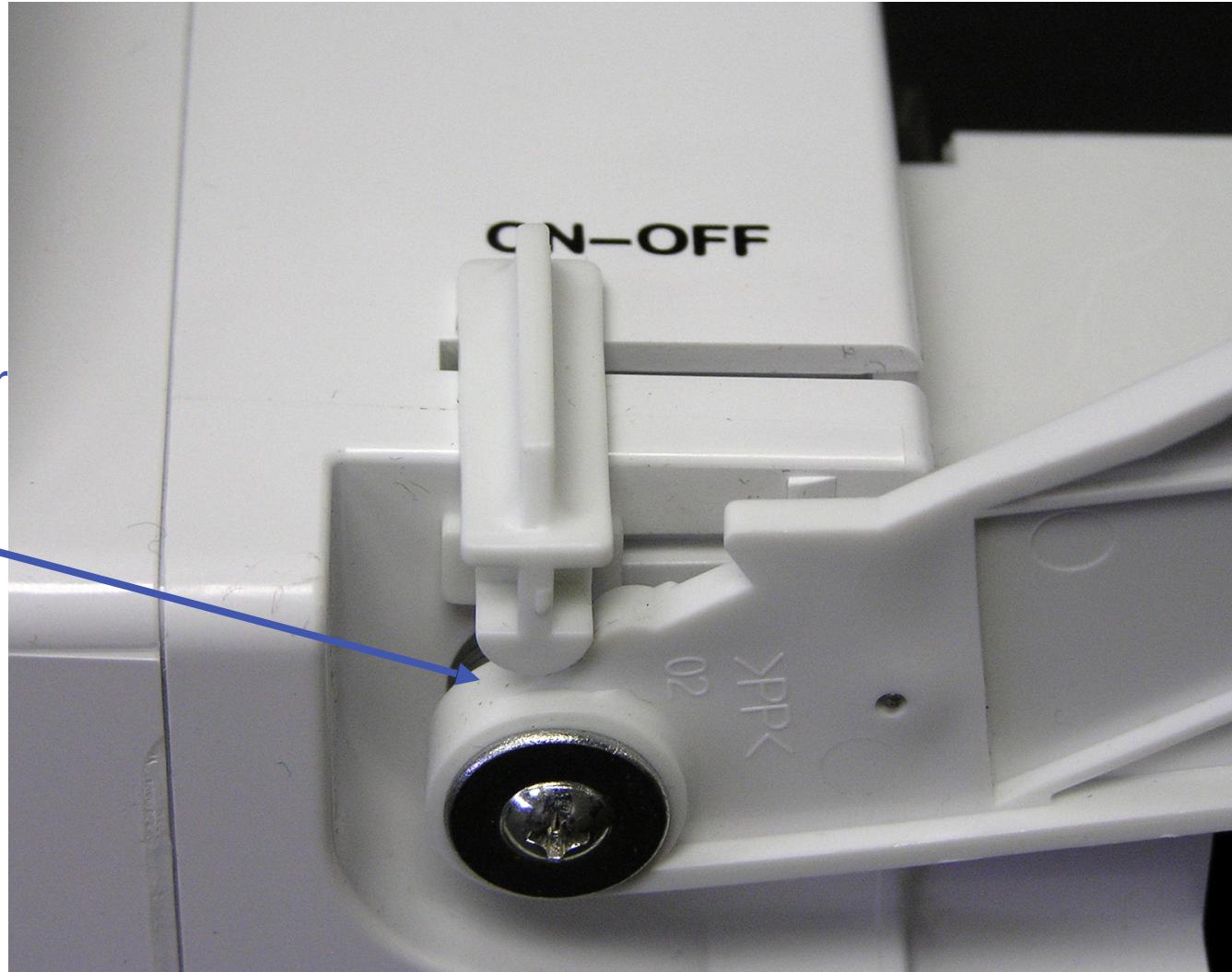
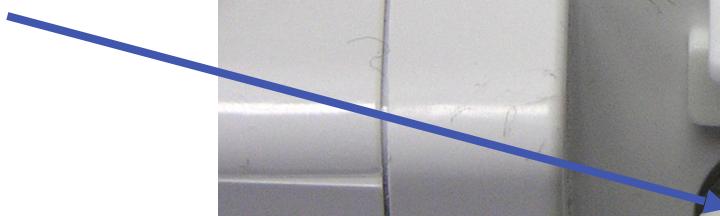
imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure
Copyright 2008 General Electric Company

On/Off Slide Lever

On Position:
Lever allows feeler
arm to move
normally



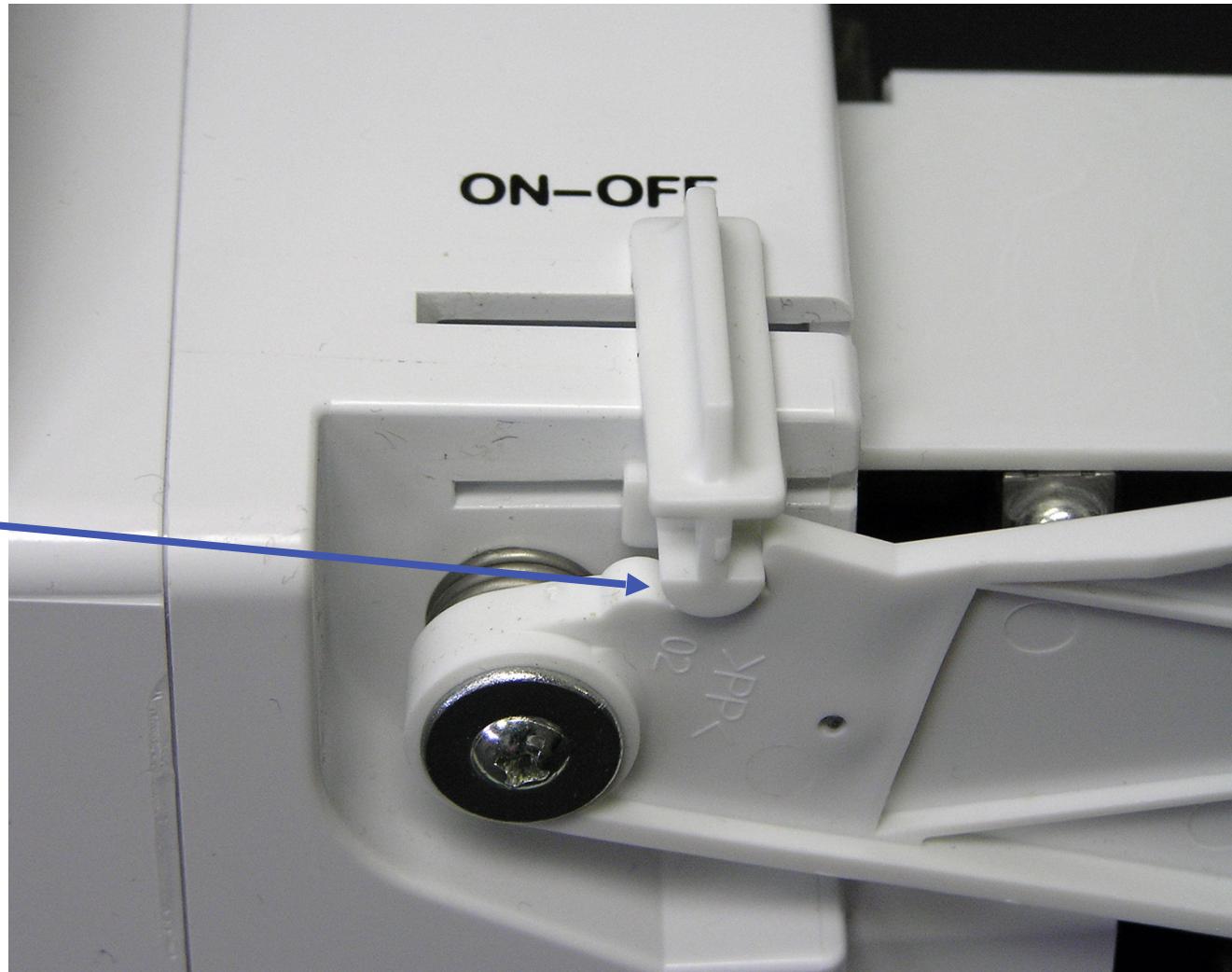
imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure
Copyright 2008 General Electric Company

On/Off Slide Lever

Off Position:
Notched area
secures feeler arm
in off position.



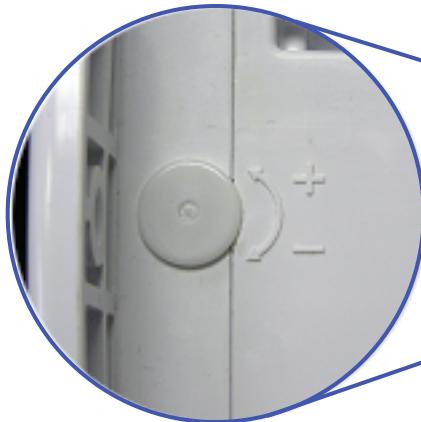
imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure
Copyright 2008 General Electric Company

Water Fill Adjustment

Pry off
cover to
expose
adjustment
screw



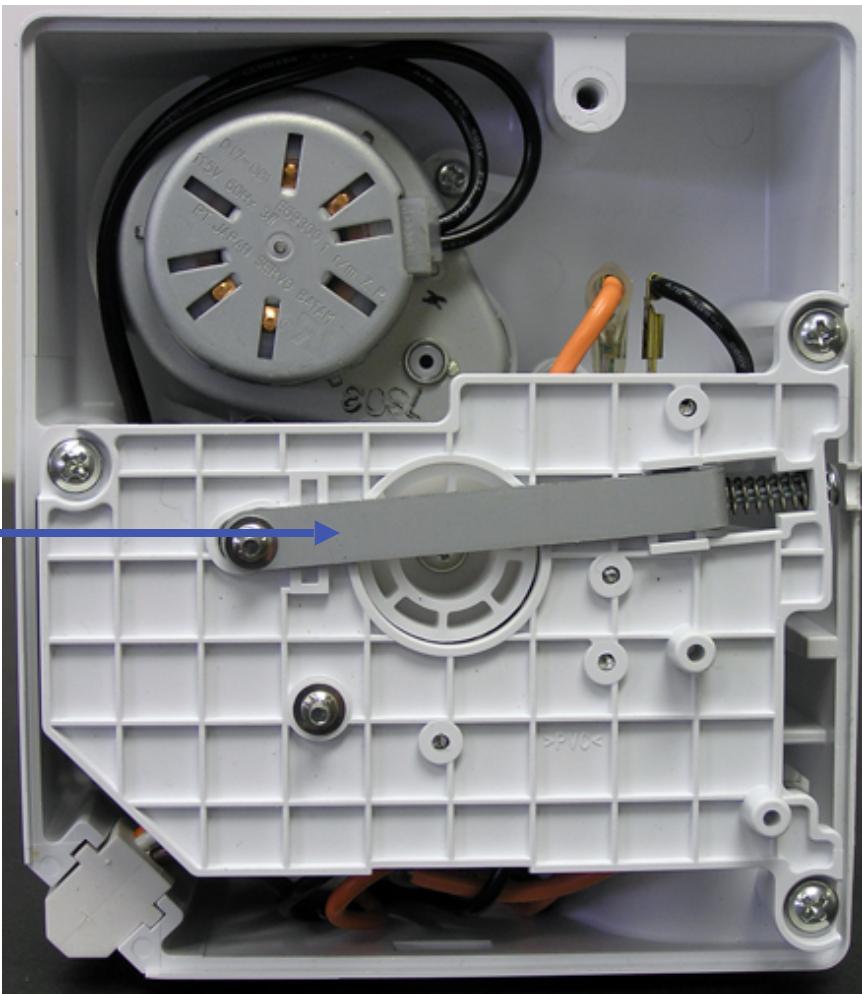
Factory fill time is 5.1 seconds and
fill quantity is approximately 95 cc's

Maximum fill time is 8 seconds



imagination at work

Water Fill Adjustment



The adjustment screw moves the switch plate linkage forward and backward to adjust water switch contact with cam

← Water adjustment screw
(side view)

1 complete revolution of the adjustment screw is approximately 1 second or 18 cc's of water



imagination at work

Manually Starting A Cycle

Pull the rake arm forward as seen in the photo

The further it is pulled forward, the shorter the initial cycle time

Normal cycle time is 3 minutes

Pulling the rake arm completely forward reduces cycle time to 1.5 minutes
(from 9:00 to 3:00)

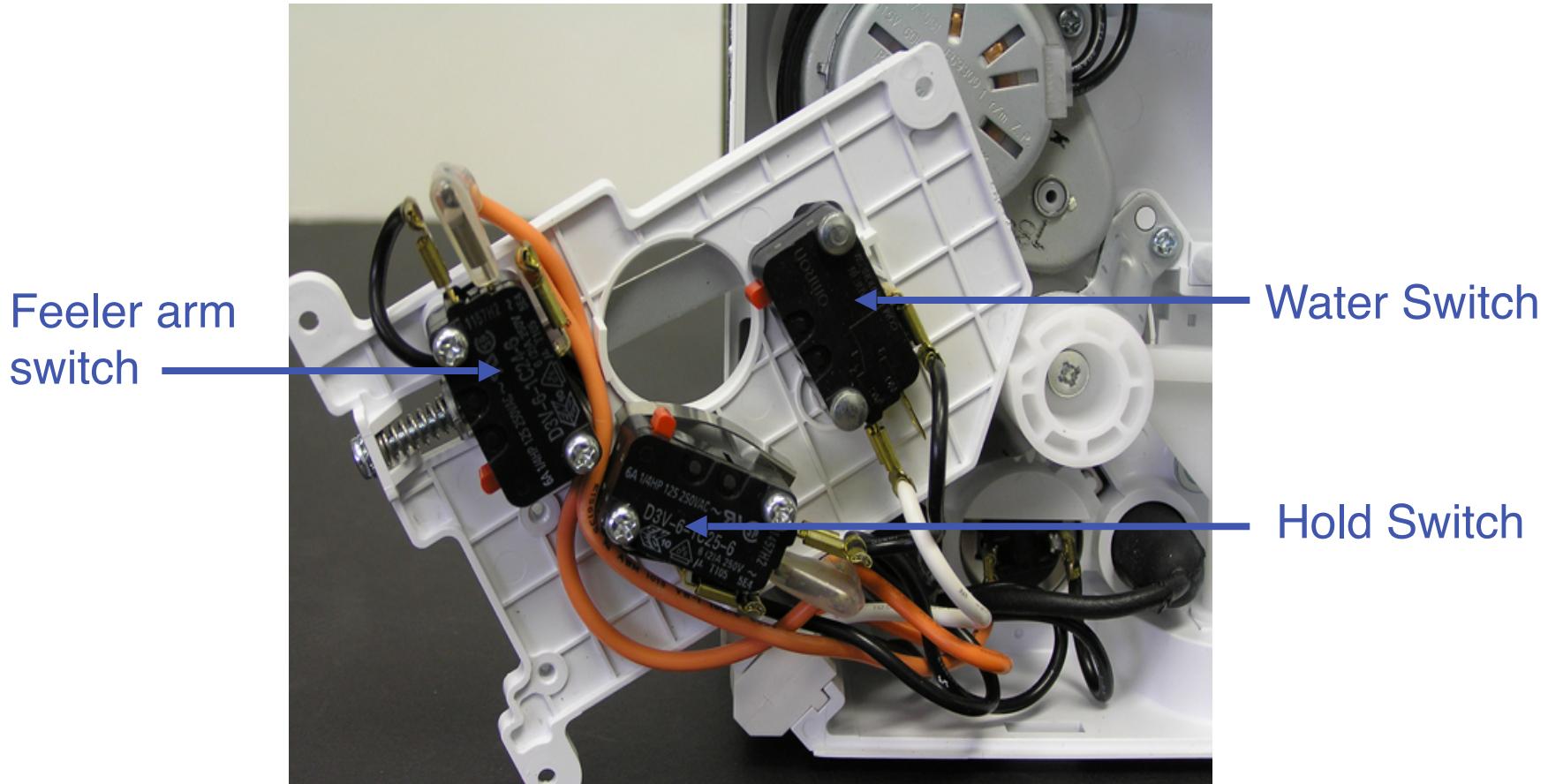


imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure
Copyright 2008 General Electric Company

Icemaker Switches

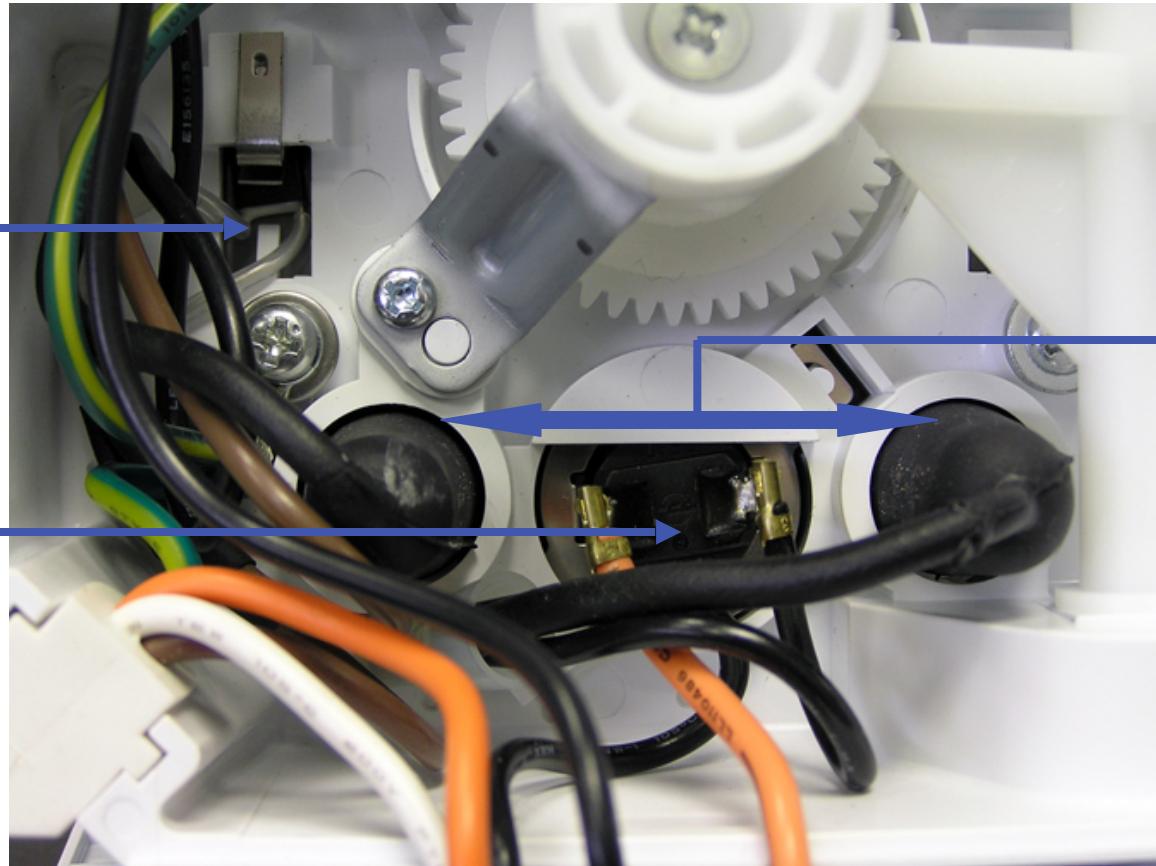


NOTE: The icemaker is replaced as a complete assembly

Heater and Sensors

TCO
Opens
at 200F°

Thermostat
Close 15F°
Open 48F°



Heater
The heater is
in series with
the water valve

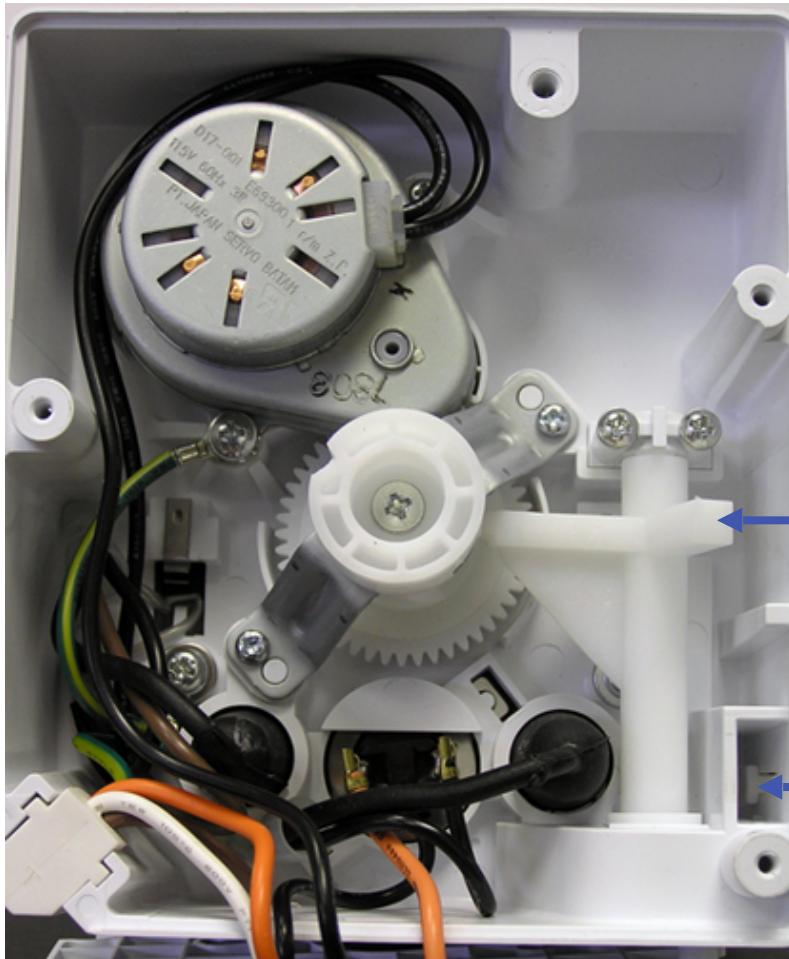
Replacing the
water valve is
not necessary

NOTE: The icemaker is replaced as a complete assembly



imagination at work

Feeler Arm Operation



Engages feeler arm switch with this post

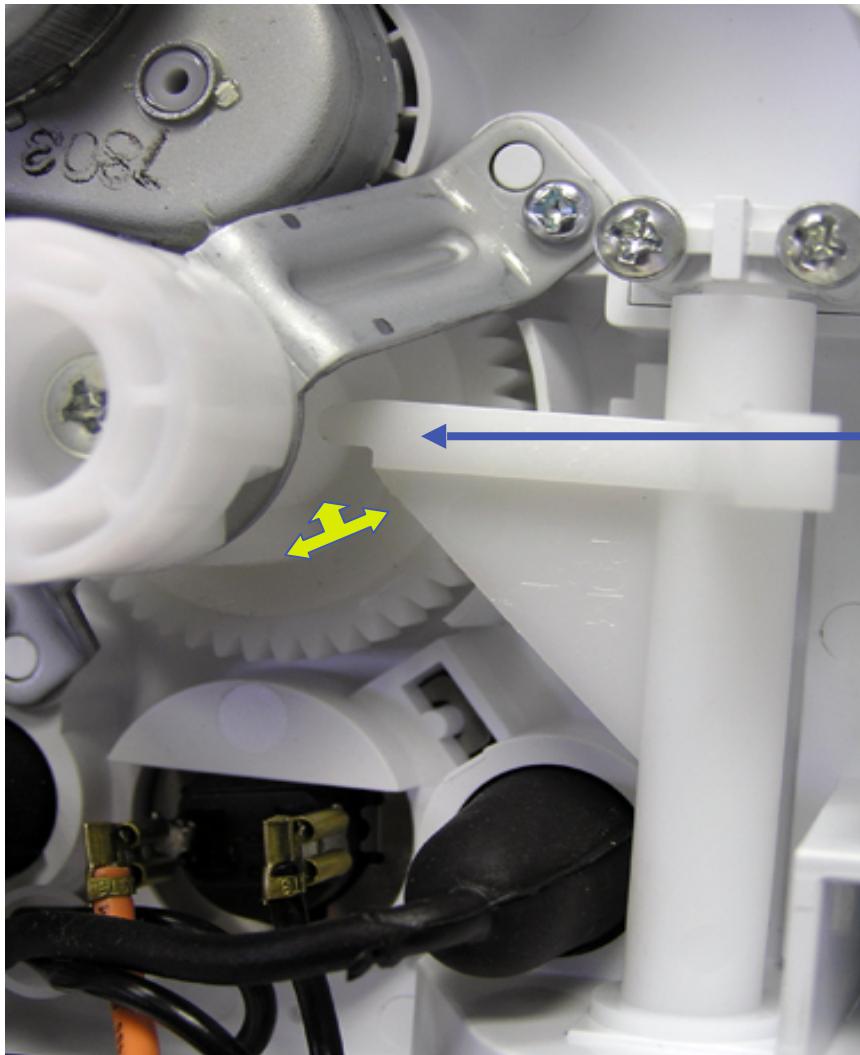
Backside of On/Off lever

Feeler arm screws into bottom of the post



imagination at work

Feeler Arm Operation



This arm rides on the gear shaft

Inside area with **yellow arrows** acts like a clutch to allow for easy turning of the rake arm to initiate a service mode

(The gear with the teeth does not turn during initiation of the service mode, however once the motor starts it engages the gear)

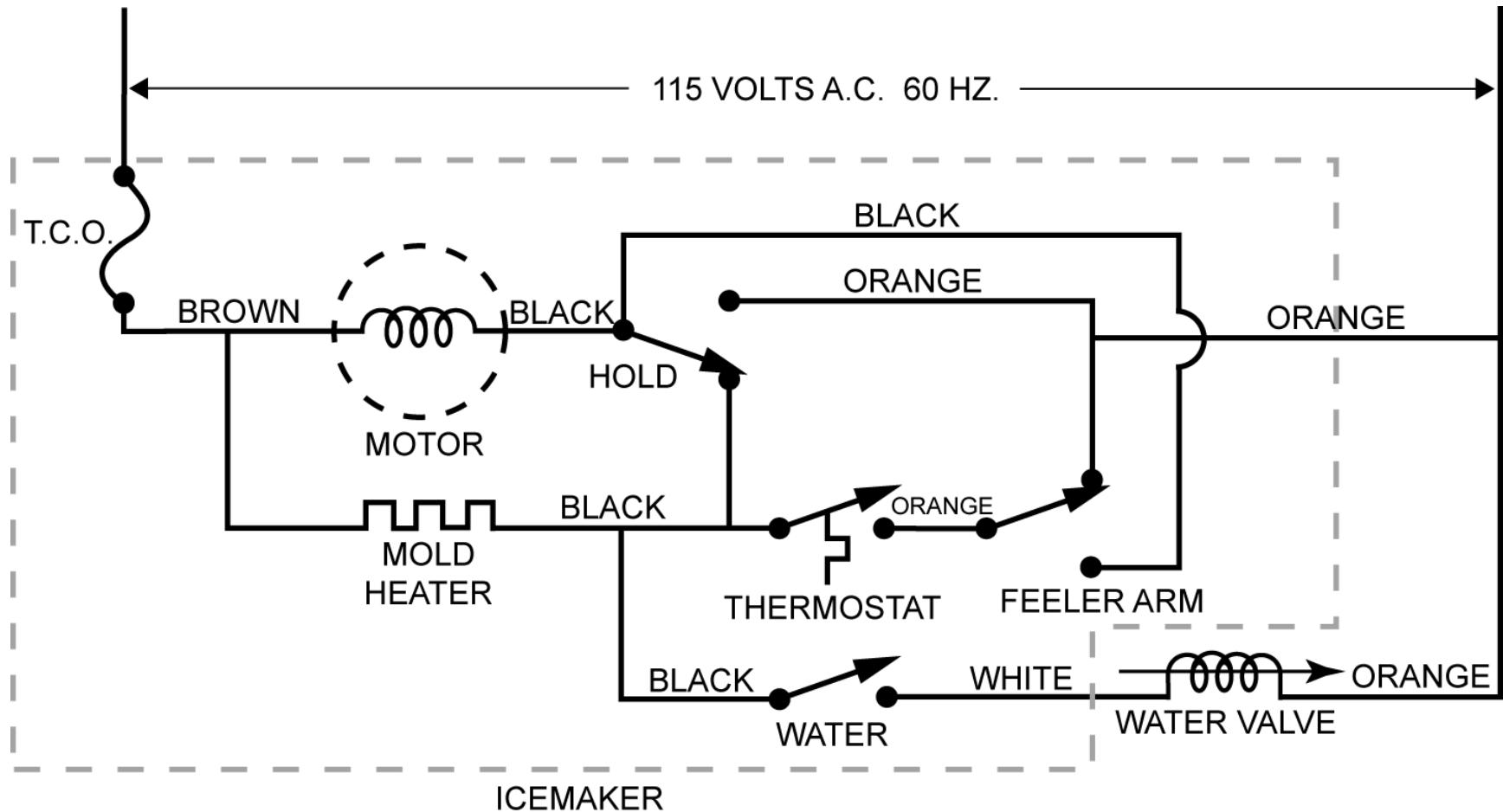


imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure
Copyright 2008 General Electric Company

Schematic

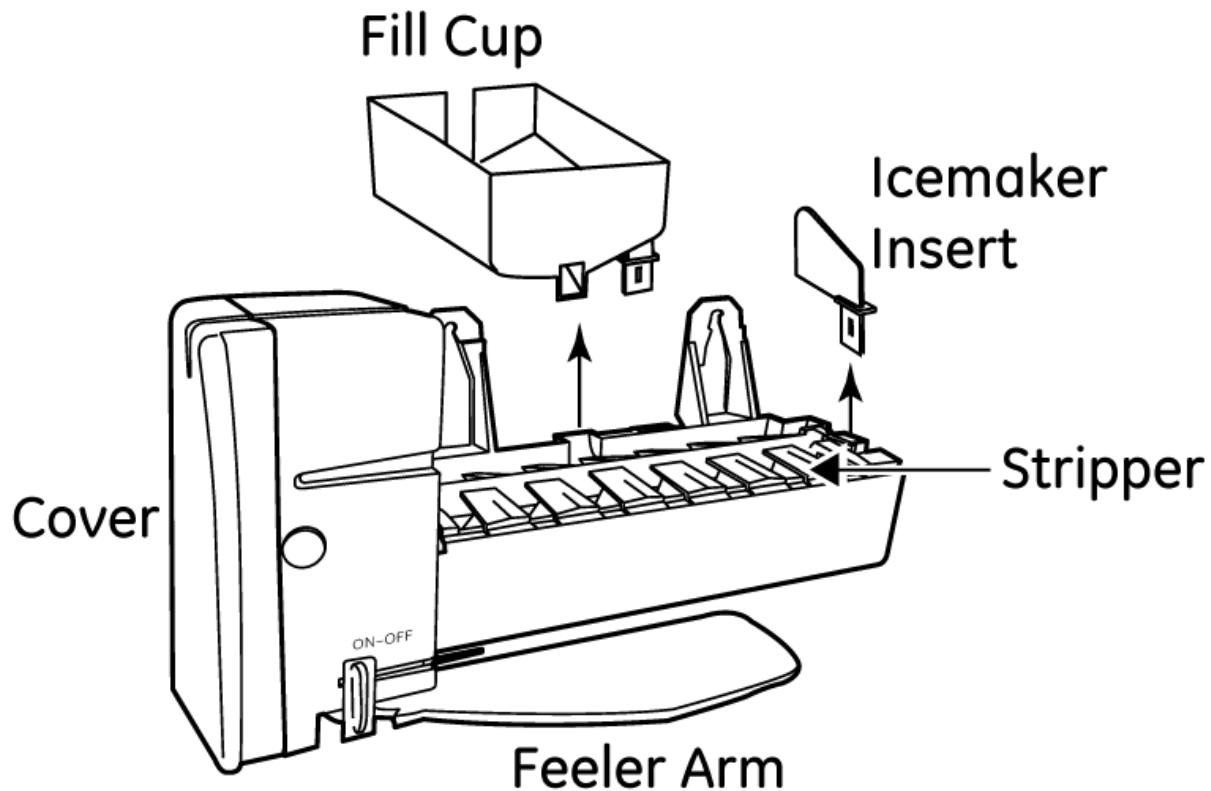


imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure
Copyright 2008 General Electric Company

Installation



Depending upon the original configuration, some of the components shown above may need to be transferred to the new Icemaker.



imagination at work

Model Differences

197D7636G001

End Mount cover, Straight Feeler Arm
Standard Stripper



imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure
Copyright 2008 General Electric Company

Model Differences

197D7636G003

Plain Cover, Straight Feeler Arm

Standard Stripper

197D7636G004

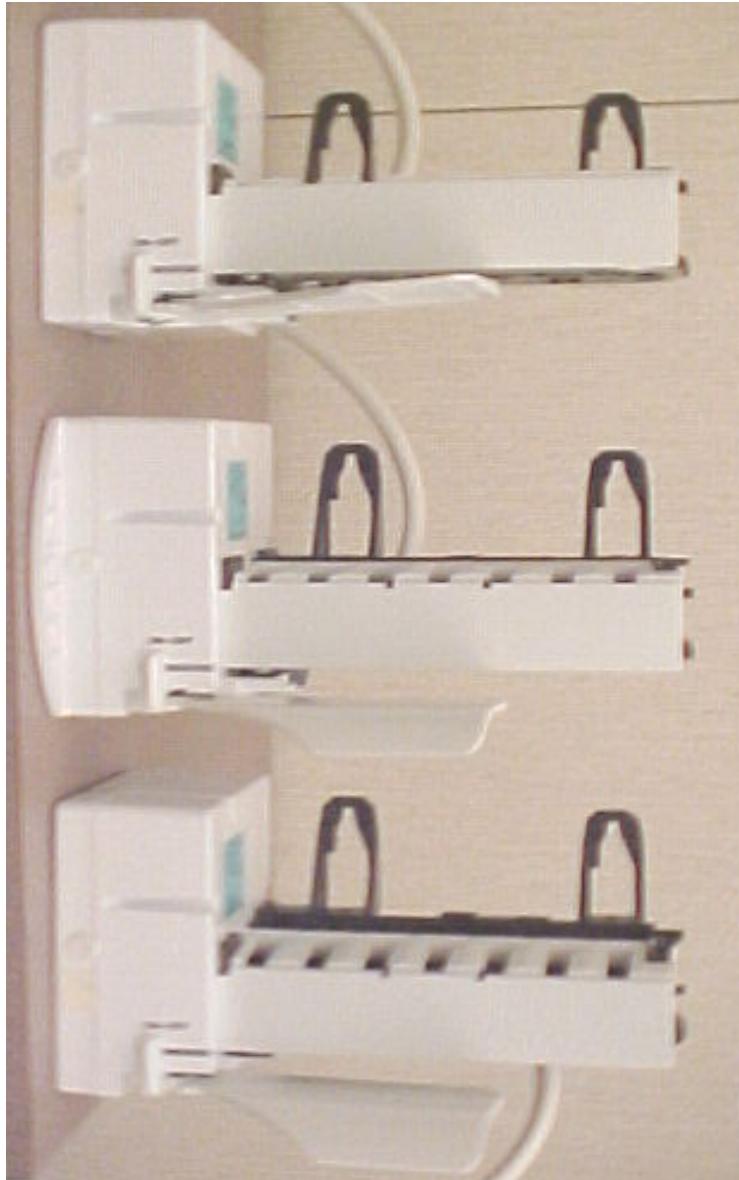
End Mount cover, Curved Feeler Arm

Standard Stripper

197D7636G005

Plain Cover, Curved Feeler Arm

Standard Stripper



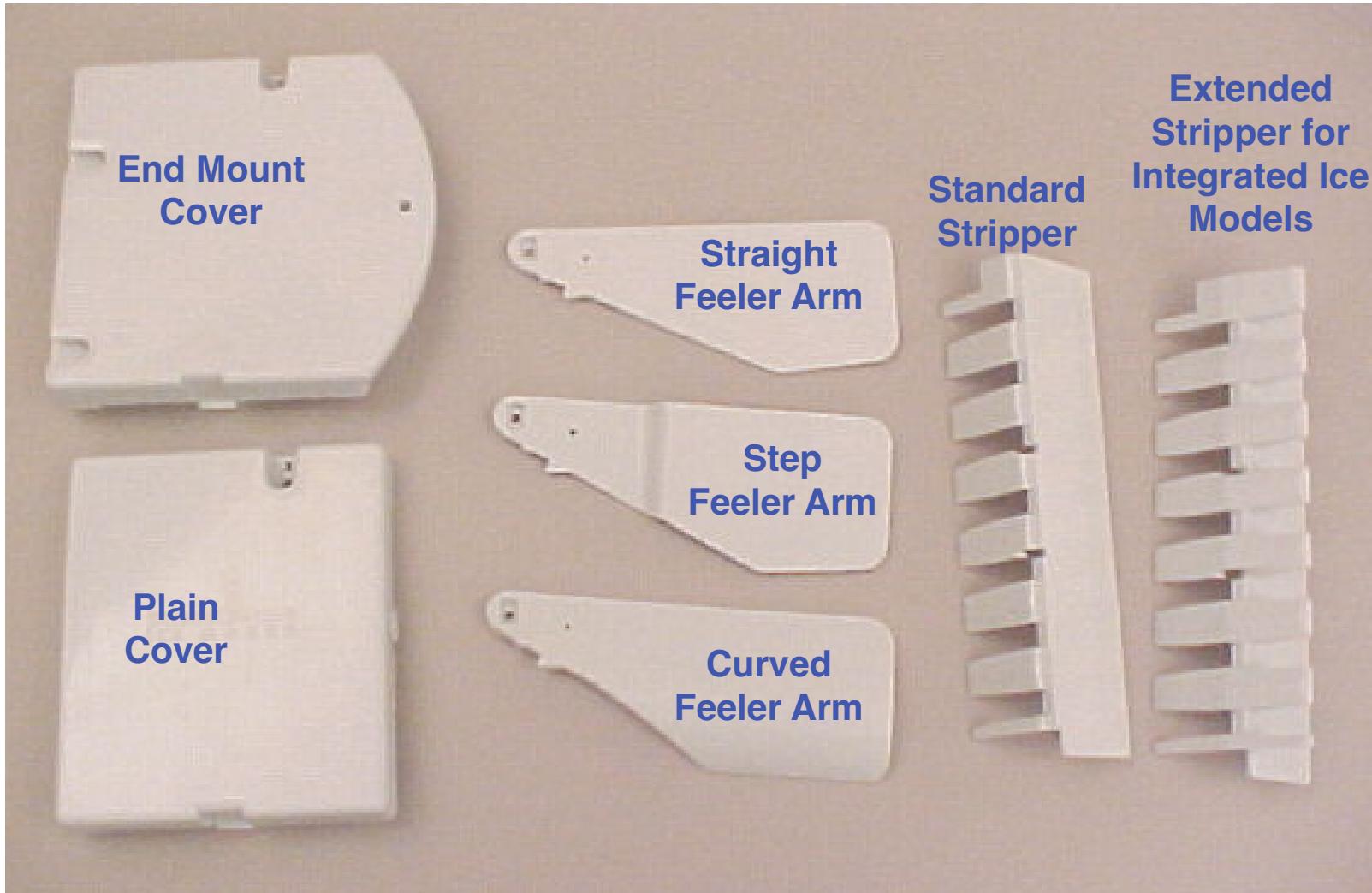
imagination at work

GE Electromechanical Icemaker (3/8/08)

GE Confidential & Proprietary Information – Not For Public Disclosure

Copyright 2008 General Electric Company

Model Differences



imagination at work