

SERVICE INFORMATION — DO NOT REMOVE

WARNING

ADVERTENCIA

Electrical Shock Hazard/Riesgo de Descarga Eléctrica

Death or serious injury can result from failure to follow these instructions.
 • Service by a qualified service technician only.
 • Disconnect power before servicing this product.
 • Reconnect all grounding devices after service.
 • Replace all parts and panels before operating.
 Used puede morir o sufrir lesiones graves si no siguen estas instrucciones.
 • El servicio técnico sólo debe ser realizado por un técnico calificado.
 • Desconecte el suministro de corriente técnica, vuelva a conectar todos los dispositivos de conexión a tierra.
 • Luego del servicio técnico, vuelva a conectar todos los dispositivos de conexión a tierra.
 • Reemplace todas las piezas y paneles antes de utilizar.

WARNING

ADVERTENCIA

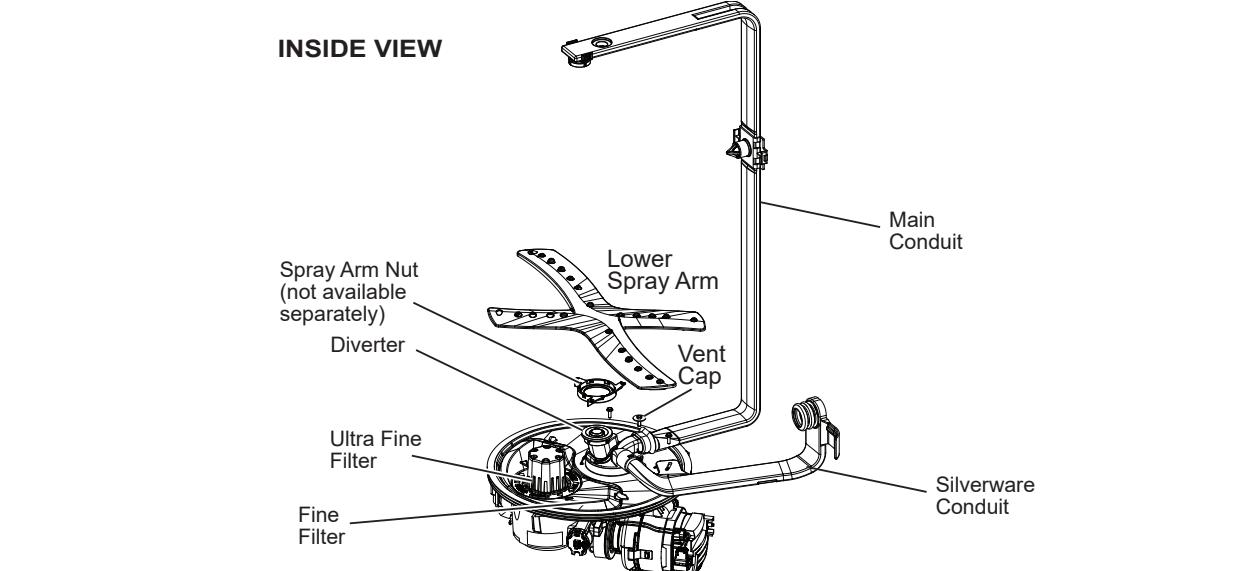
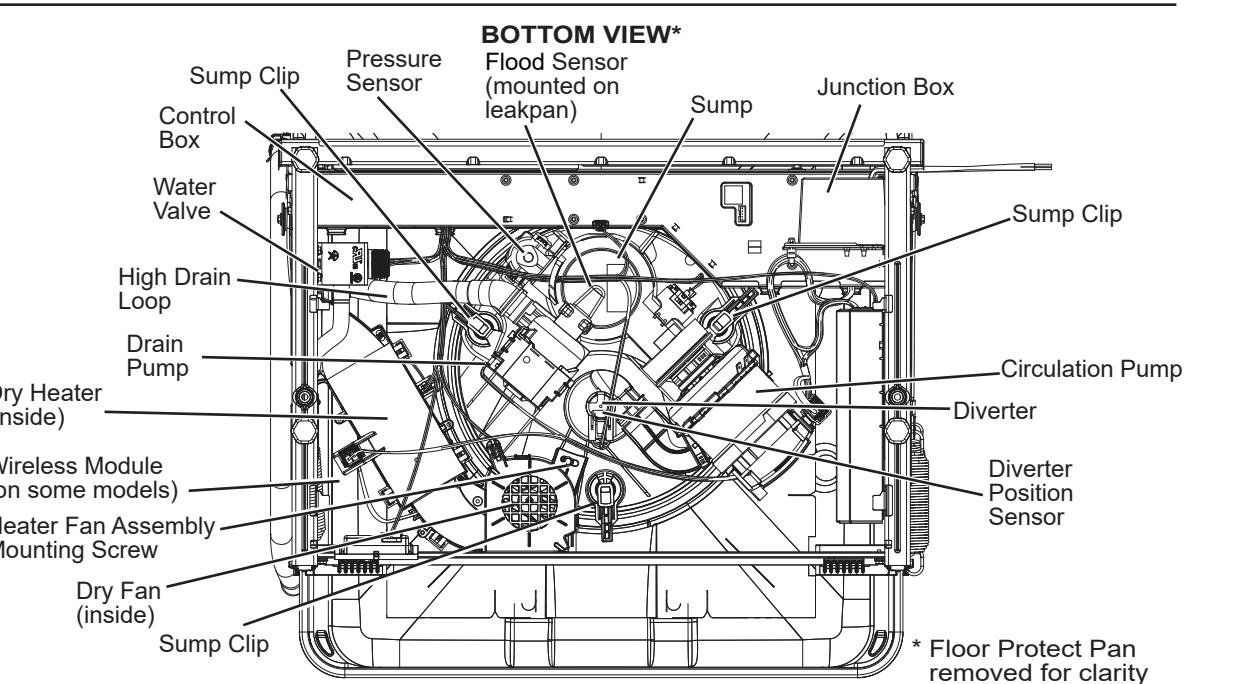
Electrical Shock Hazard/Riesgo de Descarga Eléctrica

Certain internal parts are intentionally not grounded and may present a risk of electric shock only during servicing. Service personnel — DO NOT contact the following parts while the appliance is energized: heating element, floor protect pan, main pump and drain pump.

Ciertas piezas internas no tienen conexión a tierra en forma intencional y pueden presentar un riesgo de descarga eléctrica sólo durante la reparación. Personal de reparación — NO toque las siguientes piezas cuando el aparato esté recibiendo energía: elemento de calefacción, pan protección del piso, bomba principal y bomba de drenaje.

WASHABILITY COMPLAINTS

1. Level dishwasher left to right and front to back.
2. Verify presence of a gap or high drain loop.
3. Confirm spray arms turn freely and jets are clear.
 - Use Clear Service Door, part number WXX05X20002, to verify proper spray arm operation (see TB01-14 for details).
4. Confirm ultra fine filter (consumer removable) has no tears and is not clogged (clean as needed).
5. Clean jets if needed.
6. Check for error codes.
7. Verify the thermistor is within specifiers (see Chart).
8. Confirm detergent cup operation (use Service Mode).
9. Inlet water temp should be 120 degrees F.
10. Check for proper water fill level (use Service Mode).
11. Test water hardness with WDX01X10295 test strip. Adjust detergent use accordingly, check Owner's Manual or detergent use instructions.
12. Use high rated detergents; tablets or packs work best. Refer to Owner's Manual.
13. Use a rinse agent.
14. Load dishwasher per Owner's Manual.
15. Select proper cycle, refer to Owner's Manual.
16. Verify turbidity sensor is plugged in and is lit green during cycle is active.



To remove or replace a sump component

- Un-install and place dishwasher on a protected surface laying on its' back.
- Remove floor protect pan.
- To remove pressure sensor, slightly deflect locking tab and rotate sensor counter clockwise and pull sensor from sump.
- To remove the drain pump, squeeze the locking tab on the drain pump and rotate counter clockwise (when reattaching drain pump, if tab does not lock, then pump is in wrong orientation).
- Floating seal is compression fit component. To remove floating seal from sump, insert flat head screw driver between floating seal and mating interface and twist screw driver to start unscrewing floating seal (See diagram). Then complete removal of floating seal by hand always replace the floating seal before reinstall, if floating seal is removed for servicing).
- Floating seal installation: Press the floating seal back onto the circulation pump and sump by hand. If assembly is too difficult, water may be used (it is important that the floating seal is completely seated to the pump and sump after installation).

To Service Wash Arm Assemblies & Bottle Wash Assemblies:

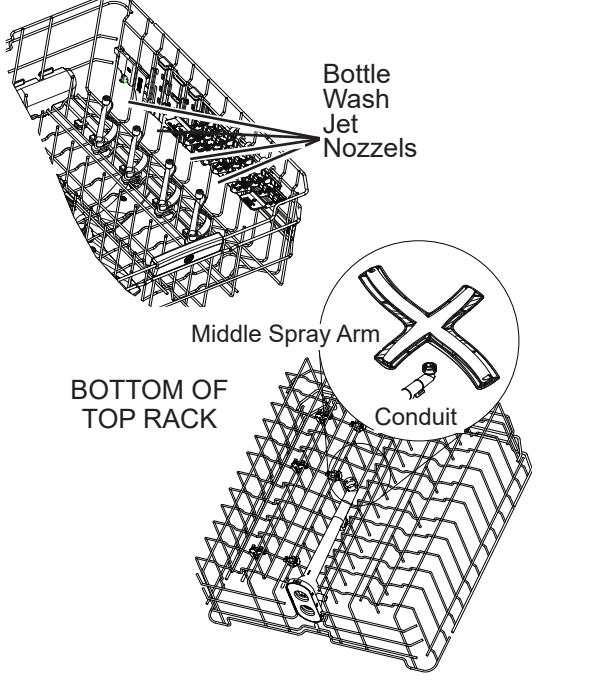
1. Check Bottle Wash nozzles for debris. The Bottle Wash nozzles operate at the same time as the middle spray arm.
2. Check holes in spray arm for foreign matter.
3. Check spray arms for rotation.

To Disassemble Mid-Level Arm:

1. Pull upper rack all the way out and remove.
2. Rotate hub on top side of spray arm counter-clockwise to remove.
3. Remove Bottle Wash Jet cover. Remove Bottle Wash Jet hose.
4. To remove conduit, depress clip on the top rear of conduit. Push conduit away from rack while depressing clip to remove.

5. To reinstall arm, reverse procedure.

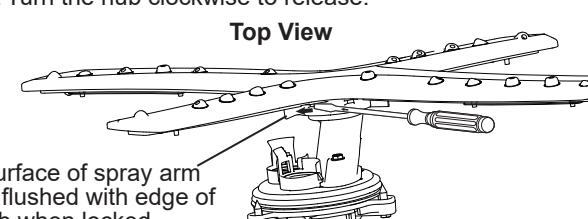
NOTE: Mid arm to be installed with spray jets facing the upper rack. Bearing to be placed between nut and bottom of mid arm.



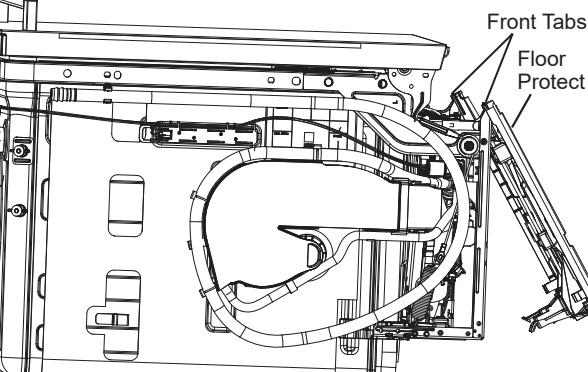
To Disassemble the Inner Door Components:

Top Control Model: Remove 5 screws to remove UI assembly. Once the UI assembly is removed there are 2 more screws to remove to be able to separate the bracket from the decorative cover.

To Disassemble Lower Spray Arm:
 There are 3 locking tabs on the locking hub. There are 4 locking tabs receivers on the bottom of the wash arm. Only one tab is locked at any given time.
 1. Locate the tab which is locked, the locking hub "wing" will be flush with the spray arm.
 2. Insert a small screwdriver to release pressure on the tab. Take care to not over bend tabs to prevent breaking.
 3. Turn the hub clockwise to release.

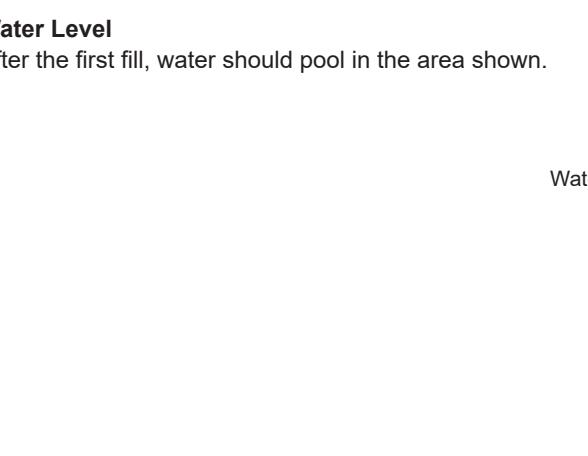


To Remove the Floor Protect Pan:
 1. Un-install and place dishwasher on a protected surface laying on its' back.
 2. Disconnect leak sensor and remove 4 leveling legs.
 3. Push in 2 tabs (as shown below) and pull bottom of pan out (the center tab will release with a firm pull).
 4. Lift pan up and off the front frame.

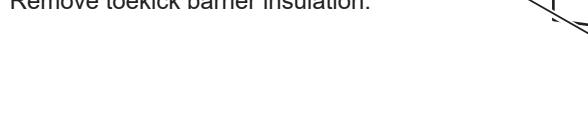


To Replace the Floor Protect Pan:
 1. Hook floor protect pan front tabs on front frame and push 3 snaps at the rear of pan (2 on sides and 1 in the center) to secure with frame.
 2. Drive 4 leveling legs through floor protect pan and connect leak sensor.
 3. Tip dishwasher on its' base frame and install back into cabinet.

Water Level
 After the first fill, water should pool in the area shown.



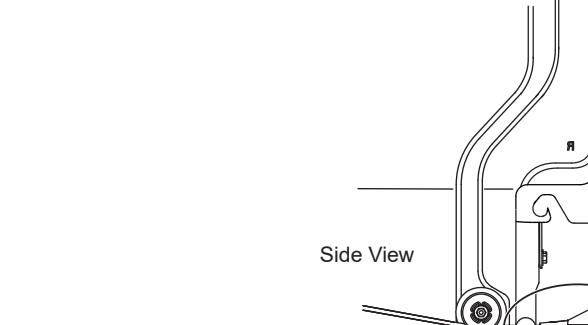
To Remove the Door:
 1. Remove toe kick and pre-toe kick (on some models) by removing attachment screws from both sides.
 2. Remove toe kick barrier insulation.



3. Unclip and disconnect wire harness. To unhook cables, use an Allen wrench or hook tool to lift and pull the cable toward the front of the dishwasher, keeping constant tension on the cable. After unhooking, keep constant tension on the cable and secure cable head in the keeper clamp to prevent springs from being disconnected.



4. Open door and lift up and off.



To Separate the Door:
 1. Remove four (two each side) T-25 screws.
 2. Remove two 1/4" hex head screws inside the bottom of the door.
 3. Deflect lower horizontal vent and slide outer panel down. **Note:** There are no components mounted in the outer door.



To Service Wash Arm Assemblies & Bottle Wash Assemblies:
 1. Check Bottle Wash nozzles for debris. The Bottle Wash nozzles operate at the same time as the middle spray arm.

2. Check holes in spray arm for foreign matter.

3. Check spray arms for rotation.

To Disassemble Mid-Level Arm:
 1. Pull upper rack all the way out and remove.

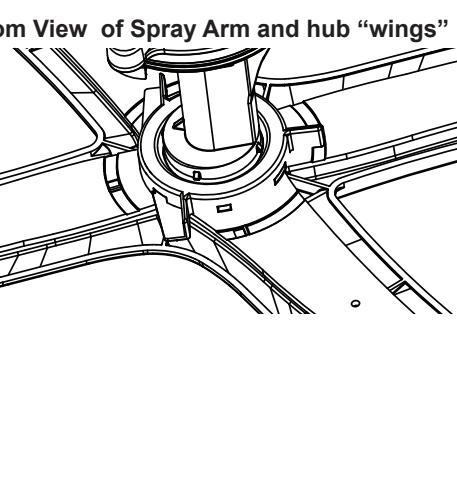
2. Rotate hub on top side of spray arm counter-clockwise to remove.

3. Remove Bottle Wash Jet cover. Remove Bottle Wash Jet hose.

4. To remove conduit, depress clip on the top rear of conduit. Push conduit away from rack while depressing clip to remove.

5. To reinstall arm, reverse procedure.

NOTE: Mid arm to be installed with spray jets facing the upper rack. Bearing to be placed between nut and bottom of mid arm.



Diverter :
 Normal spray arm rotation is clockwise; reversing is counter clockwise. The diverter switches positions by pulsing the main circulation pump on and off. The diverter has 4 outlets. A disc inside the diverter rotates up into position when the circulation pump is on, blocking off all ports except one. The position of the diverter is monitored by the control via the red sensor on the wiring harness. The reed switches in the sensor detect the position of magnets on the diverter disc when the circulation pump is on.

To check the operation of the diverter :
 Using a Clear Service Door, place the dishwasher in service mode, fill it with water and then turn the circulation test on. When the unit turns the pump on, it will check the sensor to see if it is in the lower spray arm "home" position (clockwise rotation), and if it is not, it will turn the pump off and try again. If it is in the correct position, the pump will stay on. This process will repeat for up to 2 minutes. If the diverter never changes position after the pump cycles continuously, replace the diverter. If the diverter never finds its correct "home" position, check the operation of the diverter sensor by holding a magnet next to it and checking electrical continuity across the reed switches.

* Test the pressure sensor - To verify the pressure sensor is receiving power, remove the connector from the sensor and test for 5VDC between Pin3 (+) (Red/White) and Pin2 (-) (Black/Green) on the sensor. To verify the sensor is properly sending the water level signal to the control, test for frequency (0-5VDC) between Pin5 (+) (Green/Yellow) and Pin4 (-) (Black/Green) on the control card J105, as shown in the diagram. Use the following chart to determine if the output frequency corresponds to the water level observed inside the dishwasher.

Internal TCO (5VDC) Read	Internal Water Level Description
0	44.27-44.94 DrvSec
.85	40.77-40.44 Typical Fill
1.02	40.11-39.69 Flood Trip Point
1.15	39.61-39.12 Water Over Tub Up

To activate the test, press the Start pad. Press the Start pad to cancel the test, or press the Cycle Select or furthest pad on the left to cancel the current test and proceed to the next test. If the Start light flashes, the control will begin the test when the door is closed. The LCD will provide a readout of the load to be energized, as well as prompt to close door if a load tries to energize with the door open.

Exiting Service Mode:

Press furthest pad most on the left & Start pads together momentarily. Both Error and Service Modes will time-out after approx. 5 minutes.

SERVICE MODE (can only be entered during Error Code Display Mode):

While in Error Code Mode, press and hold the Cycle Select or furthest pad on the left for 5 seconds.

Pressing the furthest most pad on the left will select test.

Start = Starts/Tests

* Water must be in the tub to activate heater. Circ pump will be energized with heater.

Load To Control | Timeout (Sec)

Notes

Drain Pump 120 Drains to 0 then stops. If activated again, will drain continually.

Water Valve 120 Fills to a set volume. Will not activate if full.

Circ Pump*/Diverter 120 Cycles through diverter positions with each activation.

Heater* 120 Will heat to 180°F. Will not activate if already at temp.

Dispenser Cup/Rinse Aid 15 Triggers relay to open main wash dispenser soap container.

Door Fan 120 Turns on/off door fan for models that support this feature.

Heater Without Neutral Break 120 Can be used to test Neutral Break.

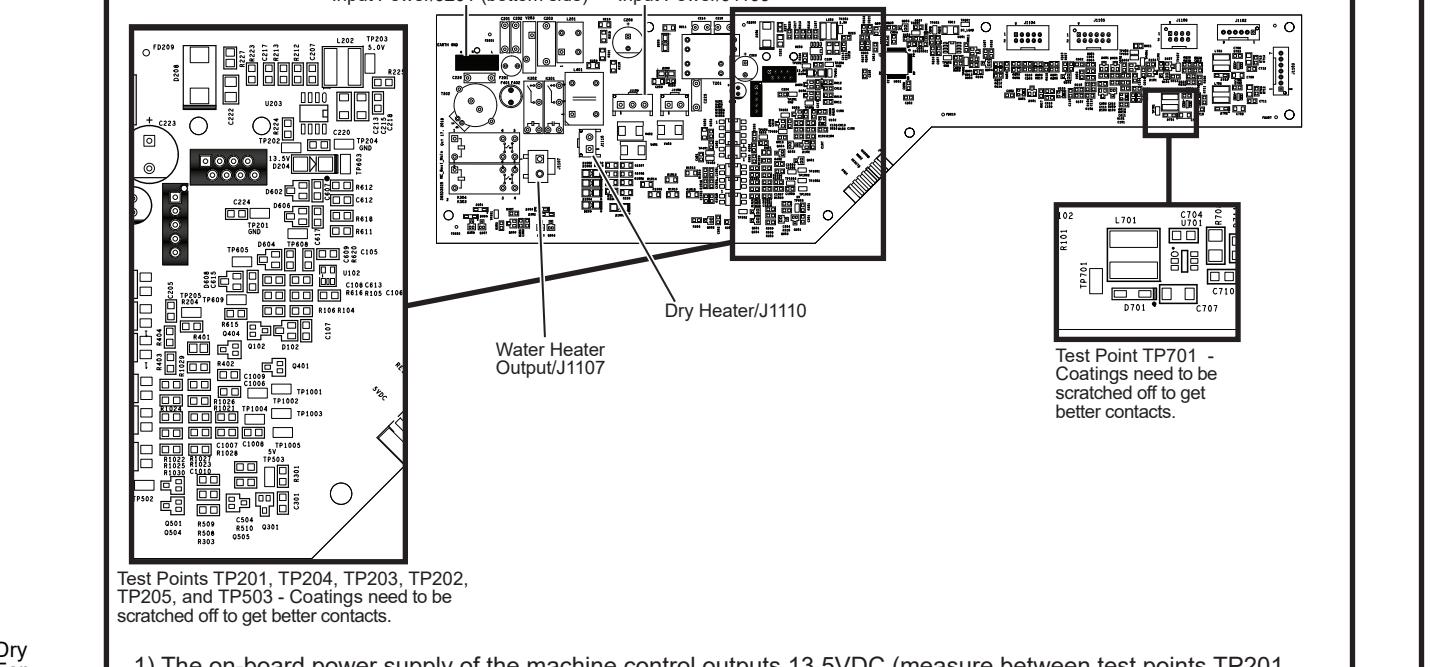
Dry Heater With Fan 120 Turns on dry heater and dry heater fan.

To activate the test, press the Start pad. Press the Start pad to cancel the test, or press the Cycle Select or furthest pad on the left to cancel the current test and proceed to the next test. If the Start light flashes, the control will begin the test when the door is closed. The LCD will provide a readout of the load to be energized, as well as prompt to close door if a load tries to energize with the door open.

Exiting Service Mode:

Press furthest pad most on the left & Start pads together momentarily. Both Error and Service Modes will time-out after approx. 5 minutes.

MACHINE CONTROL DIAGRAM



No Water Detected
 In the event the internal water level does not change, the cycle will be cancelled and the user interface will display the following:
 Models with SSD screens: H20 will be displayed on the SSD screen.
 Models without SSD screens: Wash Temp LED will blink continuously.
 Please verify the water supply line is connected properly, the supply line valve is turned on, and restart the cycle.

Pressure Sensor Errors
 In the event that the pressure sensor signal is undetectable or irrational, the cycle will be canceled and the user interface will display the following:

- Models with SSD: PRs or PrF will be displayed.

- Models without SSD: Dry LED or Wash Temp+Dry LEDs will blink.

Verify pressure sensor harness, then replace pressure sensor if needed.

Continuous Fill Error

In the event consecutive signals from the pressure sensor detect high water level, the user interface will display the following:

- Models with SSD screens: CFE will be displayed on the SSD screen.

- Models without SSD screens: Cycle Indication LEDs will blink continuously.

Turn off the water supply to the unit. Call for service.

ERROR MODE

When the dishwasher is in Standby Mode (Cycle Selection Mode), press and hold the Cycle Select or furthest pad on the left and Start pads simultaneously for 5 seconds. The LCD will display the software version, then report door status for 10 seconds, errors will then be displayed as listed below.

Door Status Check:

When LEDs are solid, controls are interpreting the door as closed.

When LEDs are flashing, controls are interpreting the door as open.

On entry into the Error Mode, the control reports the door status for 10 seconds.

Error Code Display Mode:

SSD	Error Type	Error Causes
F5	Inverter Found on Incorrect MC Personality	MC personality has not been configured correctly
F6	Wireless Module (On some models)	Communication lost with wireless module
F16	High Water Temperature	High water temperature detected.
F32	Water Level Sensor Invalid	Pressure Sensor reading falls out of range or is unplugged.
F33	Low Pressure Sensor Reading	Pressure sensor reading too low during calibration.
F34	Floor Protect Pan Detected Error	Water present or detected in the drain pan.
F35	Diverter Feedback Error	Feedback communication from diverter is not present or not correct.
F36	CSM Tripped	CSM has tripped, see section on Current Sense Module
F48	Turbidity Sensor High	Turbidity sensor reading high, (possibly open on sensor)
F49	Turbidity Sensor Low	Turbidity sensor reading low, (possibly short on sensor)
F50	Temperature Sensor High	Temperature sensing or stuck at a high reading.

RENSEIGNEMENTS RELATIFS À L'ENTRETIEN - NE PAS ENLEVER

AVERTISSEMENT Risque de choc électrique

- Tous les défauts peuvent résulter du défaut d'observer ces instructions.
- Réparations seulement par un technicien qualifié.
- Débrancher l'alimentation électrique avant la réparation.
- Rebranchez tous les dispositifs de mise à la terre après la réparation.
- Remettez toutes les pièces et panneaux en place avant d'utiliser l'appareil.

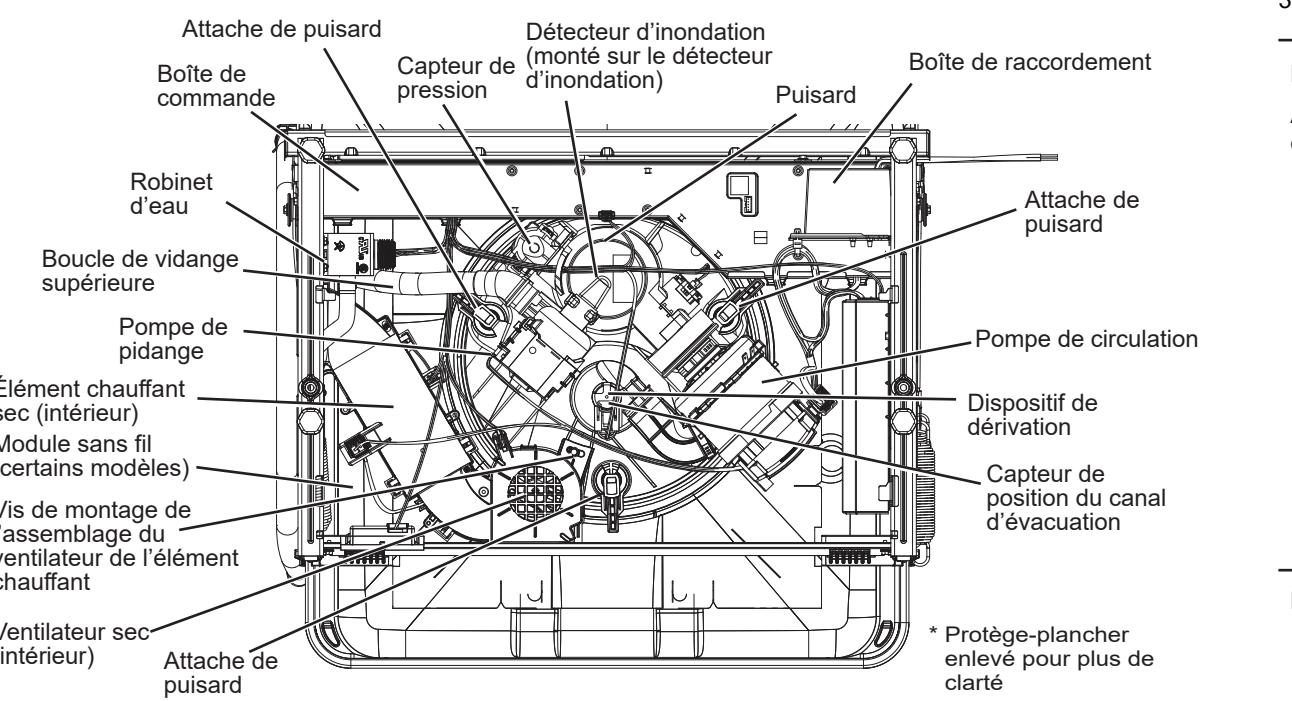
AVERTISSEMENT Risque de choc électrique

- Certaines pièces internes sont intentionnellement non mises à la terre et peuvent présenter un risque de choc électrique lors d'un entretien. Réparateur : NE PAS toucher aux composants suivants lorsque l'appareil est sous tension : élément chauffant, pan protège-plancher, pompe principale et pompe de vidange.

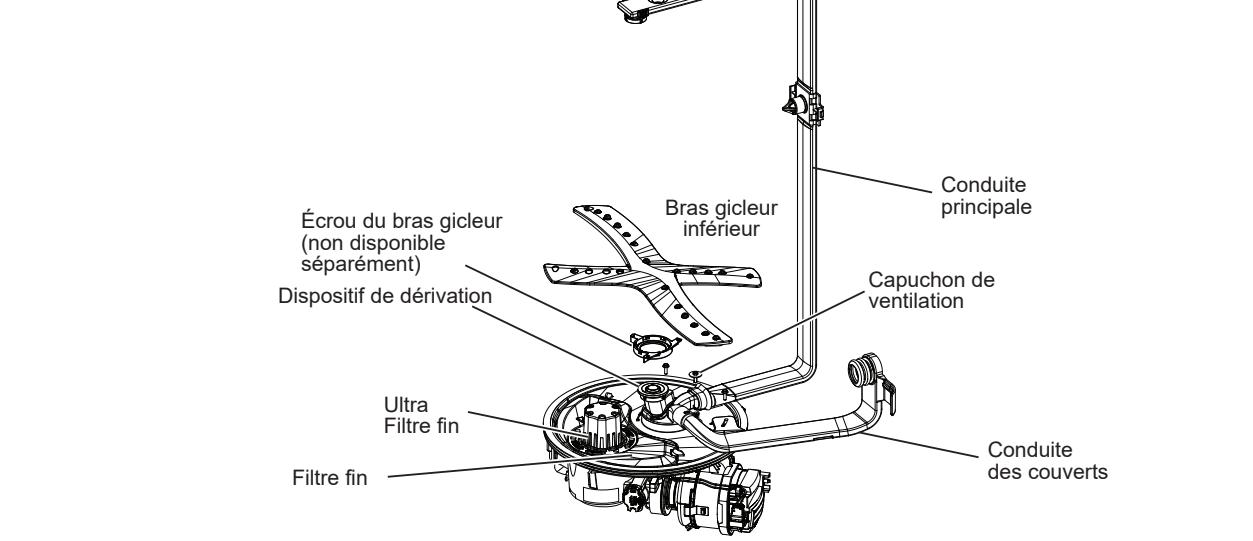
PLAINTES CONCERNANT LA QUALITÉ DU LAVAGE

1. Mettre le lave-vaisselle de niveau, de gauche à droite et d'avant en arrière.
2. Vérifier la présence d'une cuve anti-retour ou d'une boucle de vidange supérieure.
3. Confirmer que les bras gicleurs tournent librement et que les gicleurs sont limpides.
4. Utiliser la porte de service transparente, numéro de pièce WX05X20002, pour vérifier le bon fonctionnement du bras gicleur (voir TB01-14 pour les détails).
5. Nettoyer le puisard si nécessaire.
6. Vérifier les codes d'erreur.
7. Vérifier que la thermistance correspond aux spécifications (voir Tableau).
8. Vérifier le fonctionnement du distributeur de détersif.
9. La température de l'eau d'admission doit être de 120 °F / 49 °C.
10. Vérifier le niveau de remplissage d'eau (utiliser le mode Service).
11. Vérifier la durée de l'eau à l'aide d'une bandelette réactive WD01X10295. Ajuster l'utilisation du détersif en conséquence, consulter le Manuel de l'utilisateur ou les instructions relatives au détersif.
12. Utiliser des détersifs de haute qualité; les tablettes ou les sachets donnent de meilleurs résultats.
13. Utiliser le Manuel de l'utilisateur.
14. Charger le lave-vaisselle selon les directives du Manuel de l'utilisateur.
15. Sélectionner le cycle approprié, consulter le Manuel de l'utilisateur.
16. Vérifier que le capteur de turbidité est branché et qu'il s'allume en vert lorsque le cycle est activé.

VUE DE DESSOUS*



VUE INTÉRIEURE



Pour retirer ou remplacer un composant du puisard

- Désinstaller le lave-vaisselle et le déposer sur la face arrière, sur une surface protégée.
- Retirer le pan protège-plancher.
- Pour retirer le contour de protection, dévier légèrement la languette de verrouillage et tourner le capteur dans le sens des aiguilles pour tirer le capteur hors du puisard.
- Pour retirer la pompe de vidange, presser la languette de verrouillage sur la pompe de vidange et tourner dans le sens contraire des aiguilles (si la languette ne se verrouille pas lors de la réinitialisation de la pompe, c'est que cette dernière se trouve dans la mauvaise orientation).
- Le joint d'étanchéité flottant est posé en compression. Pour le retirer du puisard, insérer un tournevis à lame plate entre le joint et la surface correspondante, puis tourner le tournevis pour commencer à dégager le joint. Continuez ensuite le retrait du joint flottant à la main (n'oubliez pas de remplacer le joint flottant avant la réinitialisation s'il a été retiré lors d'une réparation).
- Installation du joint d'étanchéité flottant : Presser manuellement le joint sur la pompe de circulation et le puisard. Si la pose est trop difficile, on peut utiliser de l'eau (il est important que le joint flottant s'appuie complètement sur la pompe et le puisard après l'installation).

Entretien des bras gicleurs & Bottles Wash Assemblies :

1. Vérifier que les orifices des bras gicleurs ne sont pas obstrués. Les orifices de bras gicleurs fonctionnent en même temps que le bras gicleur intermédiaire.
2. Vérifier que les orifices des bras gicleurs ne sont pas obstrués par des particules étrangères.
3. Vérifier la rotation correcte des bras gicleurs.

Démontage du bras intermédiaire :

1. Tirer le panier supérieur jusqu'au bout et l'enlever.
2. Tourner le moyeu sur le dessus du bras gicleur dans le sens antihoraire pour l'enlever.
3. Enlever le couvercle du jet de lavage des bouteilles. Enlever le tuyau du jet de lavage des bouteilles.
4. Pour enlever le conduit, appuyer sur l'agrafe du dessus arrière du conduit. Pousser le conduit à l'écart du panier tout en appuyant sur l'agrafe pour enlever.
5. Pour réinstaller le bras gicleur, inverser la procédure.

NOTE : Le bras intermédiaire doit être installé en plaçant les gicleurs orientés vers le panier supérieur. Le roulement sera placé entre l'écrou et le bas du bras intermédiaire.

Démontage des composants de la porte intérieure :

- Modèles à contrôle supérieur : Retirer 5 vis pour enlever l'assemblage IU. Une fois l'assemblage IU enlevé, il faut retirer 2 autres vis pour pouvoir séparer le support du couvercle décoratif.

Démontage du bras gicleur inférieur :

Il y a trois pattes de verrouillage sur le moyeu de verrouillage. Le dessous du bras est doté de 4 fentes destinées à recevoir les pattes de verrouillage. À tout moment, une seule patte est verrouillée.

1. Identifier la patte verrouillée, la patte du moyeu de verrouillage est parfaitement alignée avec le bras gicleur.
2. Insérer un petit tournevis pour relâcher la pression exercée sur la languette. Évitez de plier excessivement les languettes pour éviter de les briser.
3. Tourner le moyeu vers la droite pour le libérer.

Surface du bras gicleur est à égalité bord de la languette lorsque verrouillée.

Vue de dessous du bras et des « ailes » du moyeu

Vue de dessus

Vue de dessus

Vue de dessous

Vue de dessous du bras et des « ailes » du moyeu

Vue de dessus

Vue de dessus

Vue de dessous

Vue de dessus

Vue de dessus

