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## Whirlpool washer service manual pdf

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Whirlpool Control Panel Settings -----\*\*Disclaimer:\*\* The manufacturer or seller cannot be responsible for any injury or damage arising from the use of this data sheet. \*\*Contents:\*\* \* Whirlpool Control Panel \* Troubleshooting Guide \* Diagnostic Guide \* Troubleshooting Tests (for service technician's use only) ### Whirlpool Control Panel ### 1. Pre-Service Checks Before servicing, ensure the following: \* The dryer is in standby mode. \* There is power at the wall outlet. \* The household fuse has not blown or the circuit breaker has tripped. ### Diagnostic Guide (for service technician's use only) The diagnostic guide displays the following information: \* Error history: Displays the last four saved fault/error codes. \* Service error code and description, time of error, diagnostic items, and cycle information when error occurred. ### Component Activation \* UI Component Test: Upon activation, all LEDs are turned on. Pressing each button turns off its LED, rotating the cycle selector knob turns off each LED, and pressing the ATM buttons changes their on-screen representations from black to green. ### Fault/Error Code Chart The following fault codes may be indicated under various conditions: | Code | Description | Explanation | Recommended Procedure | |---|---|---| | | | Power failure occurred while dryer was running. | Press START to continue the cycle, or press POWER to clear the display. | ### Troubleshooting Guide \* Problem: No power to dryer. \* Possible cause: Check power at outlet, check circuit breaker, fuses, or junction box connections. \* Problem: Connection problem between AC plug and dryer. \* Possible cause: Check connection between AC plug and dryer. ### Troubleshooting Tests (for service technician's use only) 1. CCU VAC: \* Set voltmeter to AC. \* Connect black probe to CCU P8-3 (N) and red probe to P9-2 (L1). \* If 120VAC is present, go to step 6. \* If +5VDC is still missing, replace the CCU. \* When this is found, go to step 5. \* If +5VDC returns, check harnesses and connections. 1. Neither of the plug terminals has connections between the CCU and user continuity with the left-most contact of the interface (UI). 2. Access machine electronics without disconnecting any wiring. 3. With an ohmmeter, check the continuity from L1 and N plug terminals of the power Wire cord to the terminals for L1 and N on the Harness CCU. 4. If resistance across P8-4 and P9-1 is in 7. Replace the main harness if the power cord passes the continuity check. 5. Check the belt switch by measuring resistance between two light blue wires, as shown in figure 19, while pushing up the Main Winding: belt switch pulley. 6. The following items are part of the heating system: Thermal Cut-Off Electric Part, Dryer Harness/connection, Heater relay, Thermal cut-off, Thermal fuse. 7. Visually check wire connections between each relay and their respective heaters. 8. If little or no voltage is present, replace the CCU if the preceding steps did not correct the problem. 1. Before performing any repair, verify the following: \* Ensure the dryer is in standby mode (plugged in and ready to use). \* Confirm the power cord is properly connected. 2. Remove the console, front panel, front bulkhead, and drum by following these steps: A. Remove the console (Figure 25) \* Unplug the dryer or disconnect power. \* Remove the three rear screws securing the top panel and extension bracket to the back panel. B. Remove the front panel (Refer to Figure 26) \* Disconnect door switch connector. \* Remove console mounting bracket by removing six screws—four from the top and two from the front. 3. If visual inspection passes, replace the UI TEST #8: Drum Light and housing assembly (Page 21). 4. Inside the drum: \* Unscrew and replace the myst nozzle using a 7/16 " wrench or socket. \* Retest myst valve status (on/off) (Quick Check). 5. If water does not dispense, go to step 7. 6. Perform tests #8 and #9: Myst Valve and Drum Light. Functional tests for system components display their representation on screen switching from black to green (see figure 6). Once activated, all DEL indicators light up. Upon pressing a button, its corresponding DEL indicator turns off. Turning the program selector knob causes each DEL indicator to turn off. \*\*Codes for anomalies/ errors\*\* The following error codes may appear under various conditions and are accessible through the service diagnostics menu. Code Description Explanation and recommended operation \* Power outage / Interruption: Indicates a power failure during cycle operation. Press START to continue the program or POWER to clear the display. \* Client Error Codes \*\*Troubleshooting Guide\*\* Some tests require access to components (see page 56). Problem Cause Possible Controls and Tests \* Not turning on: The dryer has no electrical power supply. Check the electrical outlet, circuit breakers, fuses, or connections... Page 43 - For Technician Only 1. Verify electrical connections between all relays and their elements in the heating unit. 2. Check if the gas supply is open. Pour le technicien uniquement : Retirer le panneau avant pour accéder à la console. Retirer les six vis - quatre du haut et deux de l'avant (consulter la figure 26). Ne pas retirer ni détruire... Les positions des composants sont décrites dans la page 51. Voir aussi les pages 51, 52 et 56 pour plus d'informations. Si l'activation en mode diagnostic échoue, consulter les indications suivantes et les actions correspondantes : \* Si aucun indicateur ou affichage ne s'allume, sélectionner n'importe quel cycle. S'il s'en suit que des indicateurs s'allument, essayer de changer la fonction pour les trois boutons utilisés pour activer le mode test diagnostic. Si l'un d'eux est incapable de changer de fonction, quelque chose est défectueux et il sera impossible d'entrer en mode diagnostic à l'aide de ce bouton. Remplacer l'interface utilisateur et l'ensemble du boîtier. \* Si aucun indicateur ne s'allume après avoir sélectionné le cycle, aller à TEST #1, page 12 : Vérification du courant ACU. Si la console présente des indicateurs qui clignotent immédiatement, remplacer l'interface utilisateur. Puisque les codes d'erreur sauvegardés sont affichés dans le display, consulter la table des codes d'erreur sur la page 10. Si il n'y a pas de code d'erreur sauvegardé, "888" sera affiché. Pour activer l'essai du clavier et du lecteur de code, il faut d'abord activer le mode diagnostic ; voir procédure sur la page 5. Si le display commence à clignoter pendant l'essai du clavier et du lecteur de code, c'est qu'il affiche un code d'erreur actif. Les codes d'erreur actifs sont les codes qui sont détectés en ce moment même. Seulement un code d'erreur actif peut être affiché à la fois. Pour commencer, presser et relâcher le premier bouton utilisé pour activer le mode diagnostic ; vous obtiendrez ensuite l'accès au test suivant : DIAGNOSTIC ; Essai du clavier et du lecteur de code. En pressant les boutons, leurs indicateurs ou segments d'affichage s'éteignent et un bip sonne (voir figures 1a, 1b, ou 1c, pages 2-4). La rotation du sélecteur des cycles (sur certains modèles) éteint chaque indicateur correspondant. Il est possible de sortir du mode diagnostic en pressant le bouton d'alimentation une deuxième fois et en revenant au mode veille. Si les indicateurs ne s'éteignent pas ni ne bipent après avoir pressé les boutons et avoir tourné le sélecteur des cycles (sur certains modèles), aller à TEST #6 : Les boutons et les indicateurs, page 22. To activate the Encoder Test, press the power button once or twice, depending on the procedure. Alternatively, hold down the first button used to access Service Diagnostic mode. Make sure Service Diagnostic mode is activated before entering Service Test Mode - refer to page 5 for instructions. Note that pressing the power button or opening the door during Service Test Mode will exit the dryer to standby mode. The door must be closed and the dryer must be cool for the test to run correctly. During Service Test Mode, if the display starts flashing, it indicates an active fault code is being displayed. These codes show current detected issues, with only one code visible at a time. To enter Service Test Mode, press and release the second button used to activate Service Diagnostic mode. This will turn off all LEDs except for the power LED, display "888" for two seconds, and start flashing the start button. To perform all tests, press and release the start button as indicated on pages 7 and 8 of the chart. For voltage and water system-only tests, hold down the start button for five seconds after step three. Once the test is complete, press the power button to exit Service Test Mode and return to standby mode.