



DEPENDABLE
LAUNDRY SOLUTIONS



Dependable Laundry Solutions MAYTAG SERVICE 2024



Quick Reference Service Guide

Models

MAT20, MHN33, MLx22, MDx20, MDx28

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Product Code Meanings

MN – Manual Non-Coin



MAT20MN

MDE/G20MN

PN – Processor Non-Coin



MHN33PN

MDE/G28PN

MLE/G22PN

MLE/G27PN

PR – Processor Ready (Non-Coin)



MLE/G22PR

PD – Processor Display/ Penny Drop (Vended – can be set up Coin or Card Reader)



MAT20PD

MHN33PD

MDE/G20PD



MDE/G28PD

MLE/G22PD

MLE/G27PD

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TAB 1

MAT20MN & CS

8.5kg TOP-LOAD WASHERS



MAT20



DEEP-WATER WASH SYSTEM

- Provides optimal wash performance with deep-water wash and rinse cycle options and vigorous cleaning action
- Traditional flex-vane agitator provides four distinct wash profiles — from aggressive to gentle — designed to pull clothes from the top to the bottom of the wash basket
- PowerWash® cycle provides more agitation, hotter water, and an extra rinse for the dirtiest loads



TRADITIONAL FLEX-VANE AGITATOR

- Powered by a ½ hp PSC motor with “fin” design
- Alternates between four distinct wash patterns — from aggressive to gentle
- Generates outstanding clothes movement and extensive deep-cleaning action to tackle a variety of loads



CONTROLS TO MEET YOUR NEEDS

- Mechanical controls provide a simple user interface with robust, easy-to-use knobs (MAT20CS and MAT20MN)
- Get flexibility and individual cycle pricing options for optimal earnings through Intelligent Controls with M-Series Technology, while end users can easily choose their preferred wash experience with one-touch cycle selection (MAT20PD)



CARD READER COMPATIBLE

- Order your new washer as Card Only to prevent vandalism and increase safety on site.
- Never have to worry about where the gold coins from your laundry end up with real time reporting and payment deposited straight into your nominated bank account.
- Card Reader accepts Visa, Mastercard, Paywave, Paypass, Apple Pay and Android Pay.



BUILT TO LAST

- Heavy-duty front panel — robust and easy to remove
- Front-panel accessibility — provides fast entry to the motor, transmission, and wash tub for streamlined self-service
- Built-in, easy-to-use diagnostics — help servicers identify problems quickly
- Watertight, flexible, triple-lip seal — helps keep moisture safely away from the shaft and protects the premium bearings



COIN DROP/CARD READER READY
MAT20PD (pictured)



COIN SLIDE
MAT20CS (pictured)



NON-COIN
MAT20MN (pictured)

8.5kg Top-Load Washer Models	
Payment Configuration	Model Number
Coin Drop or Card Reader Ready	MAT20PD
Coin Slide	MAT20CS
Non-Coin, Push to Start	MAT20MN



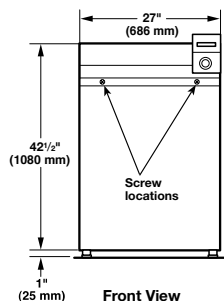
See maytagcommerciallaundry.com for warranty details.

8.5kg TOP-LOAD WASHERS

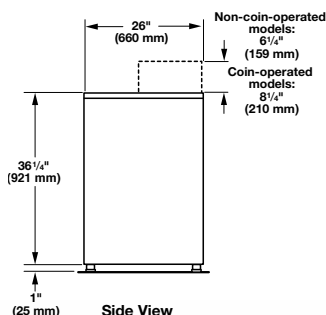


MAT20

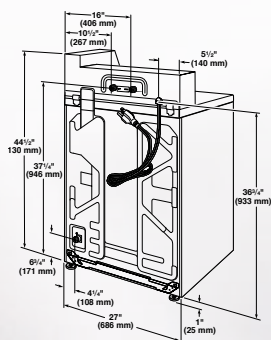
FRONT VIEW



SIDE VIEW



BACK VIEW



*Includes height of metercase.

**Based on 2018 United States DOE J2 Testing with factory preset cycles.

Dimensions are for planning purposes only. See specific instructions for proper installation. Because of continuous product improvement, Maytag reserves the right to change specifications without notice.

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MODELS	MAT20PD	MAT20CS	MAT20MN
Payment Configuration	Coin Drop or Card Reader Ready	Coin Slide	Non-Coin
DIMENSIONS			
Depth — mm	660	660	660
Width — mm	686	686	686
Height — mm	1,130*	1,130*	1,130*
Lid Opening — mm	432	432	432
CRATED DIMENSIONS			
Crated Width — mm	737	737	737
Crated Depth — mm	699	699	699
Crated Height — mm	1,255	1,255	1,255
APPROXIMATE WEIGHT			
Uncrated — kg	72.1	70.8	65.8
Crated — kg	80.3	78.9	73.9
ELECTRICAL REQUIREMENTS			
Voltage	220-240V - 50Hz	220-240V - 50Hz	220-240V - 50Hz
Breaker/Fuse — Amps	10	10	10
WATER INLET HOSE/DRAIN HOSE			
Operating Pressure — psi (Bar)	20–100 (1-8)	20–100 (1-8)	20–100 (1-8)
Inlet Hose Length — m	1.8	1.8	1.8
Drain Hose Length — m	1.3	1.3	1.3
APPROXIMATE WATER USAGE			
Average Total Water Usage Per Cycle — litres	62.8**	93.3**	93.3**
Average Hot Water Usage Warm Water Cycle — litres	2.1	2	2
Average Hot Water Usage Hot Water Cycle — litres	26.6	24.6	24.6
Extract Speed — Max G-Force/Max RPM	144 / 700	144 / 700	144 / 700
Motor Size — hp (kW)	1/2 (.37)	1/2 (.37)	1/2 (.37)



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MAT20MN/CS

Although the machine has Dial operation this is a fully Electronic Model, that you need to use the selector knob to go into any test settings to fault find.

MAT20MN are free vend and the light displays will advise what errors the machine is recording during its cycle.

MAT20CS are vended with a coin slide and the light displays will advise what errors the machine is recording during its cycle.

To reset a MAT20MN/CS press and hold the Green START/ STOP button for 5 seconds or power down the machine.

Hot and cold inlet hoses need to be used for machine to work correctly or a T piece needs to be used to connect both hoses to one tap. Machine needs to be level for lid lock to work correctly (which only illuminates during spin cycle and spray rinses).

The machine can be paused by pressing and holding start for 3 seconds.

For fault finding you need to use Diagnostic test codes to determine fault as there is no IU interface to advise fault, the LED lights on display will flash advising fault codes.

MAT20CS – coin slide is connected to the control board through a Jumper board.

The Jumper board is still in the MN version but not used.

Refer to following pages for Diagnostic testing.



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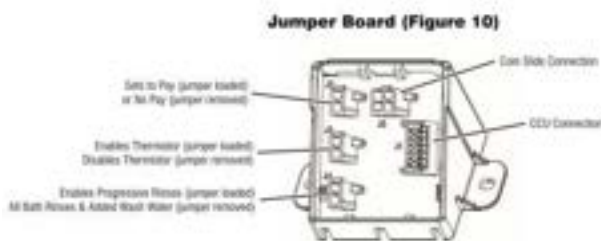
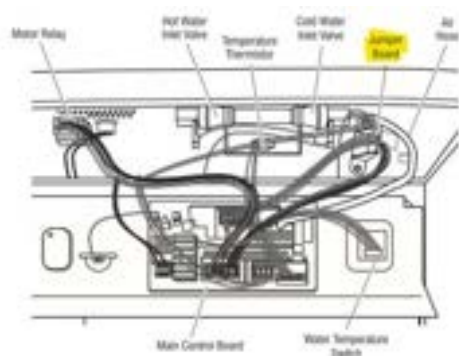
MAT20CS COIN SLIDE

MAT20CS – payment system is a V7 coin slide. These come configured @ \$4.00 x \$1.00 but have 7 slots for payment. All Coin slide machines can not be converted into coin slot/card reader.



These are used for both Speed Queen and Matag coin slide machines, you can use \$1.00 & \$2.00 insets for the 7 slots for payment. But the non-used slots require blocking plates to make them inactive.

These are controlled by a jumper board that connects to Control board which controls payment.



All blocking plates, inserts & coin boxes are readily available from spares@dependablelaundry.com.au

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MAT20MN/CS Service Diagnostic Mode

To activate the service diagnostic mode to test to fault find. Make sure washer is in standby mode (plugged in with all LED indicators off and not flashing).

If indicators are flashing power machine off and on (lid closed).

The below sequence is used for further testing, drain & spin cycle & clean wash cycle, you just have to have corresponding LEDs toggled from left right from the cycle selector knob.

Perform the following sequence of movement using the cycle selector knob, this must be completed within 6 seconds, stopping briefly between each click.

1. Place the Cycle selector dial at 12' clock position **NORMAL**. Wait 3-4 seconds to proceed



2. Turn Cycle Selector dial **LEFT** to **DELICATES**



3. Turn Cycle Selector dial **RIGHT** to **NORMAL**



4. Turn Cycle Selector dial **RIGHT** to **POWERWASH** or **NORMAL ECO**



5. Turn Cycle Selector dial **LEFT** to **NORMAL**



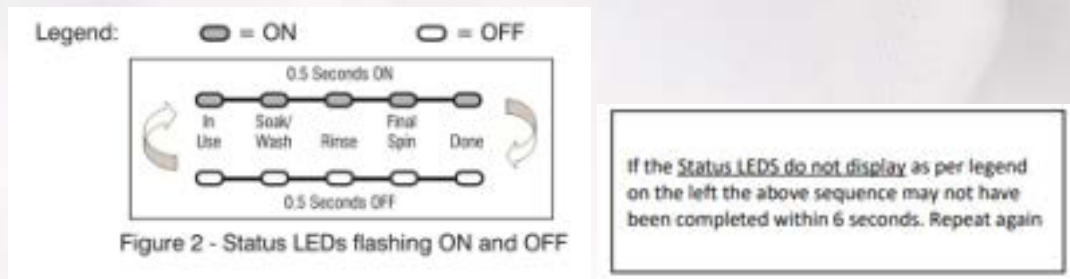
6. Turn Cycle Selector dial **RIGHT** **POWERWASH** or **NORMAL ECO**



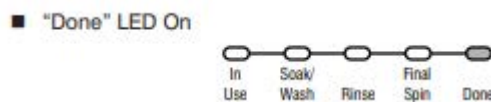
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Successful activation mode will show all LEDS (except lid locked) Flashing ON and OFF in half second intervals.



7. To access the Fault Code display Use the Cycle selector Dial right and left till flashing LEDS display **DONE**.



8. Press **START**

Fault/error codes are displayed by alternating the state of the LEDS in one second intervals.

All fault/ error codes have a F# fault & E#.

F# indicates the system, E# indicates the suspect component.

Example

Frame Number	STATUS LEDs					Fault Code	STATUS LEDs					Error Code
	IN USE	SOAK/WASH	RINSE	FINAL SPIN	DONE		IN USE	SOAK/WASH	RINSE	FINAL SPIN	DONE	
1	F	8	4	2	1	F2						
2												
3							E	8	4	2	1	E3
4												
Repeat...												

Press & Hold START to deactivate service mode or power down machine 20 seconds.

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MAT20MN/CS Fault & Error Codes

Lights will flash first F fault then E fault.

Fault Error code Description	Fault Codes					Error Number				
	In use	Soak wash	Rinse	Final Spin	Done	In use	Soak wash	Rinse	Final Spin	Done
F0E0 No Fault										
F0E2 Over Suds condition detected										
F0E4 High Water Temp										
F0E5 off balance load detected										
F1E1 main control fault										
F1E2 motor control fault										
F2E1 Stuck Button										
F2E3 Mis match main & UI										
F3E1 Pressure sensor fault										
F3E2 inlet temp faulty										
F5E1 lid switch fault										
F5E2 Lid lock fault										
F5E3 lid unlock fault										
F5E4 lid not open between cycles										
F7E1 Basket Speed sensor fault										
F7E5 Shifter fault										
F7E6 motor fault										
F7E7 motor unable to reach RPM										
F8E1 long fill										
F8E3 overflow condition										
F8E5 hot cold reversed										
F8E6 no Fill										
F9E1 Long Drain										

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MAT20MN/CS Quick overview test

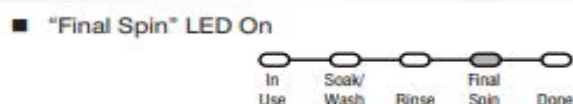
To Test the machine and do a quick test to check components and after repair. MAT20MN/CS/PD do not need recalibration do not use this function it is not required. Once in Manual overview the washer will perform an automatic test with water cycles to check functions.

Lid must be closed and locked for the quick test to work.

The machine will have limited water and could cause the gearcase/splutch to be noisy this is normal for noise use manual test.

To access the test, complete the Activating Service Diagnostic Mode, then use the Cycle selector dial backwards and forwards until final spin LED is illuminated.

1. **Final Spin** is illuminated.



2. Press **START**
3. LEDS will illuminate advising what stage of cycle unit is at and what components it is testing.

Function	Status LEDS					Time
What machine is checking	Soak wash	Rinse	Final Spin	Done	Lid lock	In seconds
Lid will Lock						1
Cold value will activate						60
Hot value will activate						10
Shifter moves to actuate						5-15
Motor agitates						10
Drain pump activation						Till empty
Shifter moves to spin position						5-15
Motor spins						10
Lid remains lock until basket stops spinning						30
Lid will unlock and cycle completes						1

Press & hold **START** to exit test.

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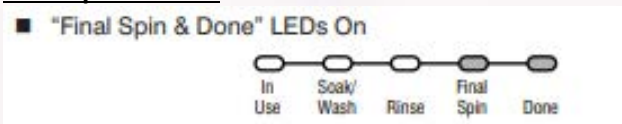


MAT20MN/CS Manual overview test- (check spin)

To Test the machine for Spin/Agitate do a manual test to check components. MAT20MN/CS/PD do not need recalibration do not use this function it is not required.
Lid must be closed and locked for the manual test to work.

To access the test, complete the Activating Service Diagnostic Mode, then use the Cycle selector dial backwards and forwards until Final spin & Done LED is illuminated.

1. **Final Spin & Done** is illuminated.



2. Once test begins the washer will have all LEDS off.
3. You need to press **START** for all tests in cycle this is not automatic.
LEDS will illuminate advising what stage of cycle unit is at and what components it is testing.

Function	Status LEDS				
What machine is checking	Soak wash	Rinse	Final Spin	Done	Lid lock
Lid will Lock					
Cold value will activate					
Hot value will activate					
Unused press start					
Unused press start					
Unused press start					
Unused press start					
Drain					
Unused press start					
Low Spin -0 to 500 rpm					
High Spin- 0 to max rpm					
Gentle agitation					
Heavy agitation					

**Water must be completely drained before spin is selected.

4. Press **START** for 3 seconds to end test.

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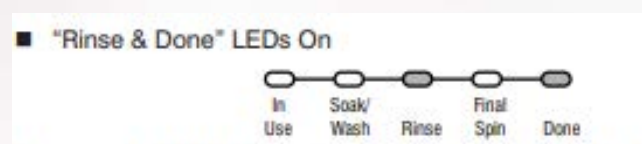


MAT20MN/CS -Drain & Spin Cycle & Clean Washer Cycle

To make the machine go straight to drain & spin when you still have water in bowl at end of cycle you need to enter Service Diagnostic mode then select drain & spin cycle to empty the basket and make machine spin.

Lid must be closed and locked.

To access the test, complete the Activating Diagnostic Mode, then use the Cycle selector dial backwards and forwards until **Rinse & Done LED** is illuminated.



1. Press START to activate Drain & Spin Cycle

Clean Washer Cycle

The clean washer cycle is used to clean scum build up in the bowl casing especially if only using cold water for washing. Using the machine clean cycle helps the machine stay clean, smell fresh and prevent breakdowns.

We recommend using a BIODEGRADABLE & NON-TOXIC solution in the clean cycle every month. (the machine should have no clothes in it).

To access the test, complete the Activating Service Diagnostic Mode, then use the Cycle selector dial backwards and forwards until **Soak Wash & Rinse** is illuminated.



1. Press **START**

Lid will be locked whilst in clean cycle.

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MAT20 - MN/PD/CS Not Spinning Diagnostics

Common misconception for MAT20 not spinning OR not agitating correctly with motor getting hot whilst not spinning leads people to suspect Motor Issue – this is not the case. Check to ensure the unit is **agitating both ways**.

1. Check and make sure lid is locking but testing lid lock as lid is required to lock to spin.
2. Check the unit is agitating both ways either by engaging lid lock whilst in agitation or taking off front panel to watch the basket agitating. If the unit is only agitating one way the shifter motor arm is broken.



Electronically this will not fault you will need to manually check.

3. The Shifter motor / Actuator part is W11336577 or W1151138.
4. When changing these please submit the number on the molded arm to jobs report for Maytag as they are investigating this part number. (You just pull the actuator apart with your hands and read the mold number.
5. Please ensure you submit this with your job report.



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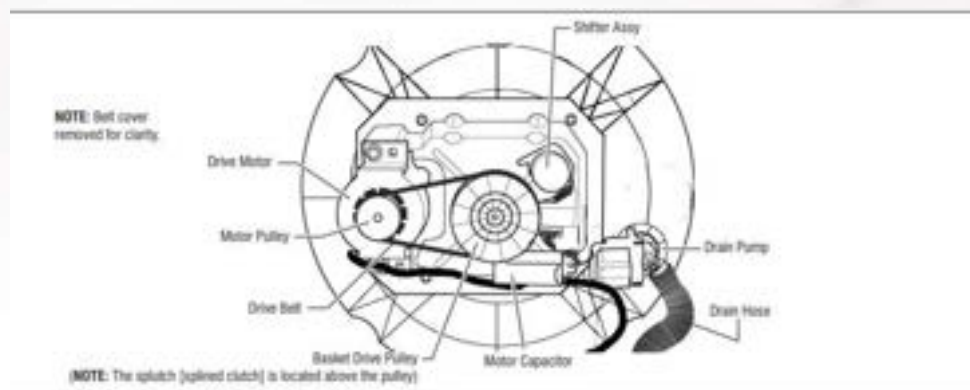


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MAT20 - MN/PD/CS Not Spinning Diagnostics

Common misconception for MAT20 not spinning OR not agitating correctly with motor getting hot whilst not spinning leads people to suspect Motor Issue – this is not the case. These motors do run hot however units not spinning is normally caused by below.

1. Check and make sure lid is locking but testing lid lock as lid is required to lock to spin.
2. Check lower wiring harness to ensure the motor wire on the anchor point is not threaded which can cause intermittent spin issue or short before spin.



3. Check Shifter assembly/actuator as this rotates a cam, the shifter arm moves the transmission lever which engages or disengages the transmission creating agitate or spin.



4. When washer is in **spin** the shifter is in the most **forward position**, the teeth of the splutch are engaged and the teeth of the pulley and the motor turns the pulley in a direction for spin. When the shifter is in the **rear position** it disengages the splutch and machine is in **agitate** state. The length of agitation is controlled by PCB.

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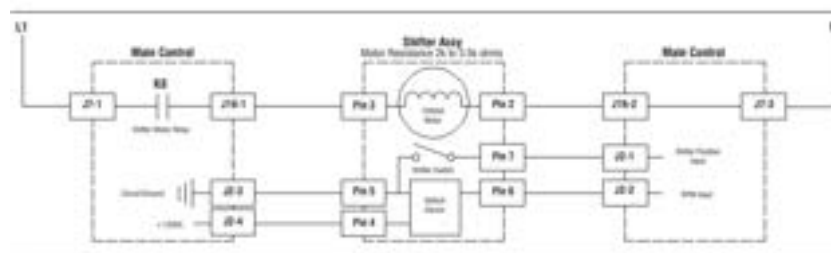
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5. If the splutch has come loose, is noisy or falls off the drive shaft (can be seen when the pully cover is cracked, or pully has worn through the cover) the pully nut has dropped. When replacing or servicing the splutch assembly use **Red Loctite Threadlocker** on this nut and tighten with an **Impact Driver** till tight and advise customer not to use for 24 hours.



6. Make sure the shifter motor is engaged as the optical sensor needs to be aligned and not dropped to spin and agitate.
7. The replacement of the shifter motor/ actuator or splutch does not require a replacement control board. **MAT20 models do not need recalibration.**
8. If the motor is humming/ burning but unit not spinning, check shifter motor/actuator first its uncommon to be a motor fault.

MAT20 MN/PD shifter motor/ actuator	MAT20 MN/PD splutch
W11336577	W10759993



Shifter Assembly Strip Circuit (Shifter Switch: Open = SPIN, Closed = AGITATE)

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MAT20CS 50hz Default Cycle & Options Chart

CYCLES

Normal Eco Cycle

Cycle Time	Cycle Phase:	Spin Fill	Static Fill	Wash Agitation	Drain	Spin & Drain	Bath Rinse Spin Fill	Rinse Static Fill	Agitation	Drain	Spin & Drain
32 min.	Time, minutes:	2	1.3	10	2	1	2	0.5	2	2	9
	Lid Unlocked:	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No

Normal Deep Water Cycle

Cycle Time	Cycle Phase:	Spin Fill	Static Fill	Wash Agitation	Drain	Spin & Drain	Deep Bath Rinse Spin Fill	Deep Bath Rinse Static Fill	Agitation	Drain	Spin & Drain
32.5 min.	Time, minutes:	3.25	2	9	2	1	3.25	2	2	2	6
	Lid Unlocked:	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No

Delicates Cycle

Cycle Time	Cycle Phase:	Spin Fill	Static Fill	Wash Agitation	Drain	Spin & Drain	Deep Bath Rinse Spin Fill	Deep Bath Rinse Static Fill	Agitation	Drain	Spin & Drain
29.5 min.	Time, minutes:	3.25	2	6	2	1	3.25	2	2	2	6
	Lid Unlocked:	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No

PowerWash Cycle

Cycle Time	Cycle Phase:	Spin Fill	Static Fill	Wash Agitation	Drain	Spin & Drain	Deep Bath Rinse Spin Fill	Deep Bath Rinse Static Fill	Agitation	Drain	Spin & Drain
35.5 min.	Time, minutes:	3.25	2	12	2	1	3.25	2	2	2	6
	Lid Unlocked:	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No

Spin Chart (RPM)

Cycle	Initial	Final
Normal Eco	500	700
Mixed	500	700
Delicates	250	500
PowerWash	500	700

Temperature

Normal Eco	Temp F	Temp C
Tap Cold	60	15.6
Cold	62	16.7
Cool	65	18.3
Warm	77	25.0
Hot	130	43.3

Temperature

Deep Water Cycles	Temp F	Temp C
Tap Cold	60	15.6
Cold	65	18.3
Cool	80	26.6
Warm	90	32.2
Hot	130	54.4

*End user can access machine during wash, fill, deep bath rinse simply by lifting lid and closing again. Lid locks during spins and spray rinses only, machine can be paused by holding start for 3 sec. ** Cycle times are approximate and can vary based on conditions.

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Maytag Commercial washer – MAT 20 Payment methods

MAT20CSAGW- COIN SLIDE – can not be converted to coin drop or card reader.



Kit 1

KIT 1	MAT20CS
Description	Part number
COIN SLIDE	V7 (FACTORY SET 1X \$4.00)
CHUTE BOLT	77-83-8
EXTENSION	Kit1919
MONEY BOX	8-1275-0-2 (2 Keys)

TO CHANGE COIN AMOUNTS, YOU REQUIRE

Description	Part number
BLOCKING KEY	21-5000
\$1.00 INSERT	21-3002-3
\$1.00 SIZING PLATE	21-200-5
\$2.00 INSERT	21-3002-1
\$2.00 SIZING PLATE	21-2030-3

If you purchase V7 please advise payment wanted if not normal factory set 4x \$1.00
email – spares@dependablelaundry.com.au

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MAT20PD- COIN SLOT – can be converted to card reader.



KIT 3

KIT 3	MAT20CS
Description	Part number
COIN DROP	Hanki 6
CHUTE BOLT	4844-1 (use 1 top mount)
MONEY BOX	8-1275-0-2 (2 Keys)

MAT20PD – Card reader

Please email sales for Card reader prices – Sales@dependablelaundry.com.au



New service hatch Key – GR777

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TAB 2

MAT20PD



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MAT20PD

Blank Display – this condition indicates the washer is inoperable.

0 minutes showing on display – this condition indicates the washer cannot be operated. Coins dropped or Debt inputs during this condition will be stored in escrow but cannot be used until normal operation is restored by open closing door.

Washer programming –

POWERWASH – 12 mins agitation, 1 deep rinse with spin out

NORMAL- 9 mins agitation, 1 rinse 2 minutes rinse agitation.

DELICATES- 6 mins agitation, 1 deep rinse with spin out

NORMAL ECO- 8 min agitation, 1 spray rinse.



1. **POWERWASH**- used to increase values associated with set up.
2. **NORMAL**- used for advancement of set up codes.
3. **DELICATES**- used to select or deselect options.
4. **TEMPERATURE**- used to reduce values associated with set up.

ALL PD units must have the errors codes cleared (reset) after changing parts or error code will remain in machine.

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MAT20PD – Service Diagnostic Procedure

Service Diagnostic is used for the machine to go through the cycles to see if machine shows a fault error code for ease of repair, this can also be used to test machine after repair to ensure working. (minimal water used so machine will could be noisy on spin)

1. Lift the service hatch with service key provided with machine.



2. Press and hold the **DELICATES** for 1 second until P-01 Displays



3. Press **NORMAL** till **P-03** is on display.
4. Press **START** – activates the service diagnostic procedure (10 steps) which will correspond with below table of UI display. This is a fast way to check fault codes.

Cycle Index	Cycle Name		UI Display
1	Lock Lid	P3 01	lid locked
2	Cold Fill timed	P3 02	lid locked, cold fill
3	Hot Fill - timed	P3 03	lid locked, hot fill
4	Ready Motor Agitation	P3 04	lid locked
5	Timed Agitation 10s	P3 05	lid locked, wash
6	Drain out sensed	P3 06	lid locked, drain
7	Ready Motor Spin	P3 07	lid locked
8	Timed Spin 10s Drain out	P3 08	lid locked, spin
9	Coast to 0 RPM	P3 09	lid locked
10	Unlock Lid	P-03	lid unlocked

When replacing components after repairing you must clear the error log or machine will still fault same error until cleared in UI. To clear fault code return to P-01 press START (display should illuminate) replace service hatch and lock with key. Machine should display price or select cycle.

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Fault /Error Codes -MAT20PD

Display Code	Failure	ACC/ track System	Explanation
F03	Pressure Sensor/ switch fault	d1	Main control detects an out-of-range pressure signal. Check pressure hose connection from tub to pressure switch is hose kinked, blocked or leaking air?
F07	Shifter System Failure	d2	Main control cannot determine position of shifter, check harness from MC to motor
F73 F74	UI Eprom not programmed	d3	The UI identification doesn't match the value of main control board
F26	Lid switch fault	d4	Lid is in a locked state, but lid switch is open control can not detect lid switch
d5	Coin blocked failure	d5	Coin 1 sensor as blocked, coin box could be full, or sensor blocked or dirty.
F01	Main Control Fault d6	d6	Indicates main control fault
F20	Long fill	d7	Water level doesn't change for a period or water present and main control doesn't detect water level changing. Is water turned on? Are hose screens blocked? Check for drain hose installation? check pressure sensor for blocked or leaking hose.
F32	No Fill	d7	
F21	Long Drain d8	d8	Water level doesn't change after drain pump is on for 10 mins, is the drain blocked? Check tub for blockages
d9	Low Voltage	d9	Incoming voltage below 185 Vac check circuit to machine
F11	Motor control fault	d11	Indicates fault motor /check water leakage onto motor/test motor
F25	Basket speed sensor fault	d12	Main control can not determine speed of basket, check basket impeller /motor rotate, check harness
d13	Coin 2 failure d16	d13	Coin 2 sensor as blocked, coin box could be full, or sensor blocked or dirty.
d16	Debt card fault d16	d16	No communication with debit reader, cable between UI and card reader

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F22	Lid Lock fault	d17	Fault displayed if main control detected or can't detect if lid lock has not moved into locked position or motor cannot be powered. Lid isn't closed completely due to interference check ad check striker.
F29	Lid unlock fault	d19	Fault displayed if main control detected or can't detect if lid is unlocked or lock has not moved into unlocked position or motor cannot be powered. Lid isn't closed completely due to interference check ad check striker.
F27	Overflow condition	d21	Main control has detected the water level exceeds washers' capacity, check inlet values, pump, pressure switch, hoses to tub for blockages holes.
F70, F71	Communication failure UI & CCU	d23	Electrical connection between UI & CCU is damaged check continuity
F24	Inlet water temp fault	d24	Fault detected inlet value thermistor
F77	Off balance load	N/A	Fault is displayed when off balance condition is detected, check suspension, basket should bounce up and down more than once when pushed.

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MAT 20PD UI Function Test (Touch Pad Test)

The UI Diagnosis is used to test the User Interface display board and ensure all touchpad selections are working.

1. Lift Service hatch with service key provided with machine.



2. Press and hold the **DELICATES** keypad for 1 second until P -01 displays.
3. Press **NORMAL** till P-07 displays.



4. Press **START** the entire display illuminates then by pressing each keypad selection they will dealuminate to show they are working. This diagnostic can show coin switch functioning on PD models also.

Step	Name	Procedure or Behaviour of Display
1	Test Start Button	Press start, START button will dealuminate
2	Test Coin 1	Place in Coin 1 slot, PRICE will dealuminate from display
3	Test Coin 2	Place in Coin 2 slot, ADD will dealuminate from display
4	Test Service Switch	Press Service switch AVAILABLE will dealuminate from display
5	Test Coin Box Switch	Press coin box switch MINUTES will dealuminate from display
6	Test Buttons – (Cycle & Modifier)	Press Powerwash, POWERWASH will dealuminate from display Press Normal, NORMAL will dealuminate from display. Press Delicates, DELICATES will dealuminate from display Press Temperature, TAP COLD, COLD, WARM, COOL & HOT will dealuminate from display Press Soil Level, NORMAL & HEAVY will dealuminate from display Press Extra Rinse, EXTRA RINSE will dealuminate from display

5. Press and Hold the **DELICATES** to exit test. IF UI is working it doesn't need to be replaced.

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MAT20PD - Clean Washer Cycle

The Clean cycle is used to clean the scum build up in the bowl casing especially if only using cold water for washing. Using the machine clean cycle helps your machine stay clean, smell fresh and prevent breakdowns.

We recommend using a **BIODEGRADABLE & NON-TOXIC** solution in the clean cycle every month. *(the machine should have no clothes in it)*

1. Lift Service hatch with service key provided with machine.



2. Press and hold the **DELICATES** keypad for 1 second until P -01 displays.
3. Press **NORMAL** till P-12 displays.



4. If connected to hot water the machine should use hot water and lid will be locked till cycle ends. Please ensure you put out of use on machine once started.
5. Press **START**
6. Once machine has finished it will display P-12 you need to return service hatch to set machine for normal wash again.

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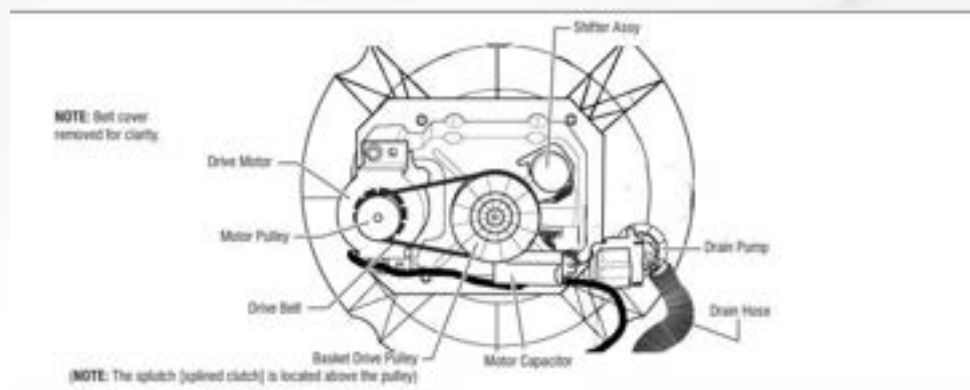


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MAT20 - MN/PD/CS Not Spinning Diagnostics

Common misconception for MAT20 not spinning OR not agitating correctly with motor getting hot whilst not spinning leads people to suspect Motor Issue – this is not the case. These motors do run hot however units not spinning is normally caused by below.

1. Check and make sure lid is locking but testing lid lock as lid is required to lock to spin.
2. Check lower wiring harness to ensure the motor wire on the anchor point is not threaded which can cause intermittent spin issue or short before spin.



3. Check Shifter assembly/actuator as this rotates a cam, the shifter arm moves the transmission lever which engages or disengages the transmission creating agitate or spin.



4. When washer is in **spin** the shifter is in the most **forward position**, the teeth of the splutch are engaged and the teeth of the pulley and the motor turns the pulley in a direction for spin. When the shifter is in the **rear position** it disengages the splutch and machine is in **agitate** state. The length of agitation is controlled by PCB.

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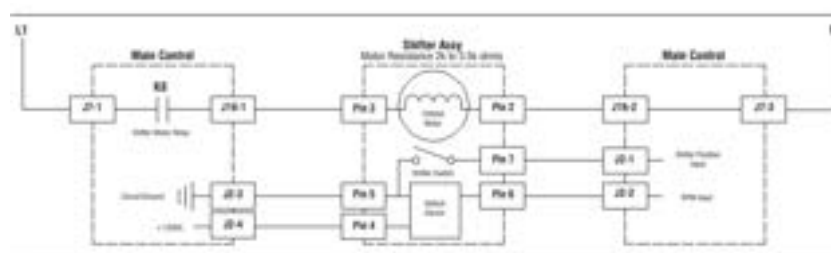
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5. If the splutch has come loose, is noisy or falls off the drive shaft (can be seen when the pully cover is cracked, or pully has worn through the cover) the pully nut has dropped. When replacing or servicing the splutch assembly use **Red Loctite Threadlocker** on this nut and tighten with an **Impact Driver** till tight and advise customer not to use for 24 hours.



6. Make sure the shifter motor is engaged as the optical sensor needs to be aligned and not dropped to spin and agitate.
7. The replacement of the shifter motor/ actuator or splutch does not require a replacement control board. ***MAT20 models do not need recalibration.***
8. If the motor is humming/ burning but unit not spinning, check shifter motor/actuator first its uncommon to be a motor fault.

MAT20 MN/PD shifter motor/ actuator	MAT20 MN/PD splutch
W11336577	W10759993



Shifter Assembly Strip Circuit (Shifter Switch: Open = SPIN, Closed = AGITATE)

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MAT20 - MN/PD/CS Not Spinning Diagnostics

Common misconception for MAT20 not spinning OR not agitating correctly with motor getting hot whilst not spinning leads people to suspect Motor Issue – this is not the case. Check to ensure the unit is **agitating both ways**.

1. Check and make sure lid is locking but testing lid lock as lid is required to lock to spin.
2. Check the unit is agitating both ways either by engaging lid lock whilst in agitation or taking off front panel to watch the basket agitating. If the unit is only agitating one way the shifter motor arm is broken.



Electronically this will not fault you will need to manually check.

3. The Shifter motor / Actuator part is W11336577 or W1151138.
4. When changing these please submit the number on the molded arm to jobs report for Maytag as they are investigating this part number. (You just pull the actuator apart with your hands and read the mold number.
5. Please ensure you submit this with your job report.



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MAT20PD FREE CYCLE WITH – COIN /DEBIT CARD

To check cycle after repair without payment when Coin slot or Card reader is attached to machine.

1. Lift service hatch with service Key provided with machine.



2. Press and hold the **DELICATES** keypad for 1 second until P-01 displays.



3. Press **NORMAL** once to show P-02
4. Press **START** button to enter the Cycle credit mode (free cycle)



5. Exit the service mode by replacing the key in the service hatch and locking.
The highest price cycle will display and all cycle selections.
6. **Select Cycle** to required and **Press Start** (you will receive one free cycle)

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MAT20PD- How to Enable Cycle/Money Counter Option

1. Lift service hatch with service key provided with machine.



2. The screen should display 6.xx, use **NORMAL** to advance to **9.00 Cycle Counter Option**,
(Once selected cannot be deselected without replacing UI board)
Press **DELICATES** 3 times to select on = **9.0C**
3. Press **NORMAL** to advance to next code **1.00 Money Counter Option**
(Once selected cannot be deselected without replacing UI board.)
Press **DELICATES** 3 times to select on = **1.0C**
4. Lock service hatch and remove key, machine should display price you have selected for wash cycle.

Once these are enabled when the Service Hatch is opened it will scroll through 1.xx/2.xx if Cycle Count Enabled and 3.xx/4.xxx/5.xx if Money Count is enabled. To skip pass this to 6.xx Programming press **NORMAL**

<u>CYCLE COUNTER</u>	<u>MONEY COUNTER</u>
When Cycle Counter enabled	When Money Counter enabled
1 . xx = THOUSANDS	3.xx = THOUSANDS
2. xxx = ONES	4.xxx = ONES
	5.xx = HUNDRETHS
1 10 / 2125 = 10, 125 Cycles	
1 02 / 2005 = 2005 Cycles	3 01 = \$1,000.00
1 00 / 2100 = 0100 Cycles	4600 = \$600.00
	5 75 = \$00.75
	= TOTAL \$1600.75

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MAT20PD How to Reset Machine

If machine displays a F fault this can be cleared by resetting machine. After replacing any components, the machine must be reset to clear the previous error code.

1. Lift service hatch with service key provided with machine.



2. The machine should display 6.xx
3. Press **DELICATES** until P-01 displays
4. Press **START**
5. All characters on display will illuminate and flash, a cycle in progress will cancel, money is escrow is cleared and diagnostic errors are cleared.
6. Close & lock service hatch with key, machine is reset.

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MAT20 CS/MN/PD PARTS LIST

MODEL	DESCRIPTION	PART NUMBER
MAT20 CS/MN/PD	Lid lock/ latch assembly	WPW10482837
MAT20 CS/MN/PD	Lid strike	WPW10240513
MAT20PD	Machine Control CCU	W11256391
MAT20PD	User interface board	W11323688
MAT20 CS/MN	Machine Control CCU	W11256556
MAT20 CS/MN/PD	Fill valve (complete hot/cold)	W11104125
MAT20 CS/MN/PD	Shifter motor/Actuator	W11511138
MAT20 CS/MN/PD	Splutch assembly	W10759993
MAT20 CS/MN/PD	Motor	W11104129
MAT20 CS/MN/PD	Belt	WPW10006388
MAT20 CS/MN/PD	Gearcase/ with Belt	GEARBOX_KIT
MAT20 CS/MN/PD	Pulley cover	WPW10427633
MAT20 CS/MN/PD	Lower harness	W10520397
MAT20 CS/MN/PD	Pump	WPW10292579

****Parts are covered for 5 years from date of purchase for all manufacturing defects****



All parts above readily available from spares@dependablelaundry.com.au.

For warranty advise model & serial number, DOP with invoice.

Freight charges will apply if machine over 12 months, **SHIPPED OVERNIGHT** to your location.

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TAB 3

MHN33PD

9KG FRONT-LOAD WASHERS



MHN33



DURACORE DRIVE SYSTEM

- DuraCore Drive System is designed and tested to run 15,000 cycles*
- Watertight, flexible triple-lip seal with garter spring keeps moisture away from the shaft, protecting the premium bearings
- Durable shaft sleeve is designed to eliminate shaft wear



INTELLIGENT CONTROLS WITH M-SERIES TECHNOLOGY

- Offer flexibility and individual cycle pricing options for optimal earnings
- One-touch cycle selection allows end users to easily choose their preferred wash selection
- Built-in diagnostics help streamline service calls



ADVANCED SPIN TECHNOLOGY

- Delivers more consistent cycle times**
- Offers automatic load balancing through a six-point suspension to provide optimal stability for the entire wash unit



BUILT TO LAST

- Front-access panel — easy to remove, which streamlines service by providing fast access to internal components
- Heavy-duty die-cast door hinge — opens 180° and is built to withstand the rigors of commercial laundry
- Accelerometer — takes an accurate reading of cabinet vibration to reduce out of balance loads and ensure fast final spin speeds
- Durable soap dispenser — its sturdiness adds to the machine's overall durability



CARD READER COMPATIBLE

- Order your new washer as Card Only to prevent vandalism and increase safety on site.
- Never have to worry about where the gold coins from your laundry end up with real time reporting and payment deposited straight into your nominated bank account.



**COIN DROP OR
CARD READER READY**
MHN33PD (pictured)



NON-COIN
MHN33PN (pictured)

9kg Front-Load Washer Models	
Payment Configuration	Model Number
Coin Drop or Card Reader Ready	MHN33PD
Non-Coin	MHN33PN



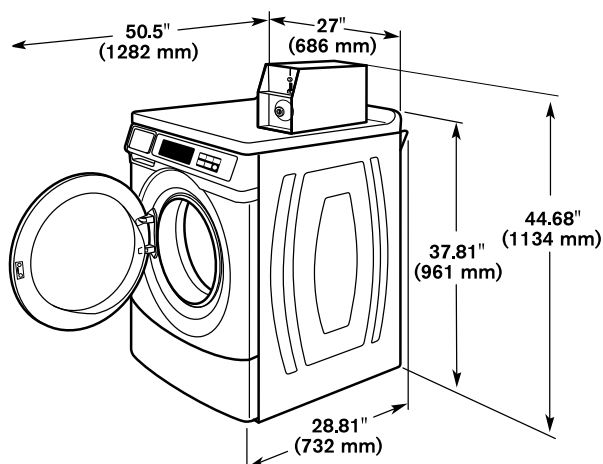
See maytagcommerciallaundry.com for warranty details.

9KG FRONT-LOAD WASHERS



MHN33

SIDE VIEW



*Includes height of metercase.

**Based on 2018 United States DOE J2 Testing with factory preset cycles.

Dimensions are for planning purposes only. See specific instructions for proper installation. Because of continuous product improvement, Maytag reserves the right to change specifications without notice.

MODELS	MHN33PD	MHN33PN
PAYMENT CONFIGURATION	COIN DROP OR CARD READER READY	NON COIN PUSH TO START
CAPACITY		
Cylinder Volume — liters	88	88
Cylinder Diameter — mm	547	547
Cylinder Depth — mm	341	341
DIMENSIONS		
Depth — mm	732	732
Width — mm	686	686
Height — mm	1,134*	961
Door Opening — mm	362	362
CRATED DIMENSIONS		
Crated Width — mm	737	737
Crated Depth — mm	851	851
Crated Height — mm	1,232	1,029
APPROXIMATE WEIGHT		
Uncrated — kg	111	107
Crated — kg	115	111
ELECTRICAL REQUIREMENTS		
Voltage	220-240V - 50Hz	220-240V - 50Hz
Frequency	50Hz	50Hz
Breaker/Fuse — Amps	10	10
WATER INLET HOSE/DRAIN HOSE		
Operating Pressure — psi (bar)	20–100 (1-8)	20–100 (1-8)
Inlet Hose Length — m	1.22	1.22
Drain Hose Length — m	1.83	1.83
APPROXIMATE WATER USAGE		
Average Total Water Usage Per Cycle — liters	40.50**	40.50**
Extract Speed — Max G-Force/Max RPM	300/1,000	300/1,000
Motor Size — hp (kW)	.09 (.07)	.09 (.07)



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MHN33 PD/PN FACTS

All MHN33 MODELS -

Stopping at 6 minutes left on cycle – means the unit has faulted from out of balance.
The unit will attempt to rebalance multiple times if cannot balance will just drain leaving clothes wet.

Stopping at 1 minute left on cycle – means the units has faulted on over suds.
The unit needs cleaned soap draw, pressure switch & pressure hose, if can add more water do and advise customer to use less detergent.

*****Do not just replace boards run diagnostic tests*****



Current MHN33 PN/PD
TOUCH PAD CONTROLS



NEW MHN33 (T series)
TOUCH PAD CONTROLS



ON ALL FRONT LOADERS
MEANS MACHINE CAN NOT
DETECT DOOR IS CLOSED

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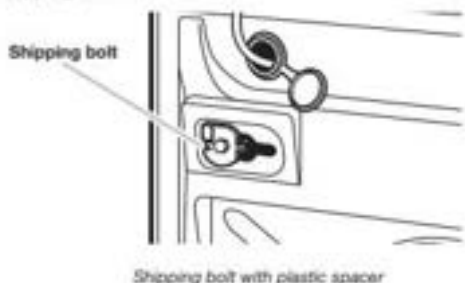


MHN33 INSTALLATION INSTRUCTIONS

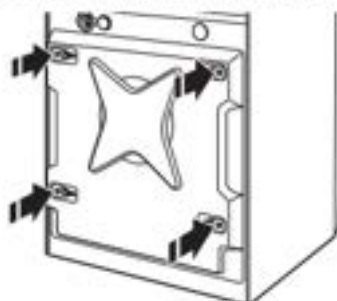
Remove Transport System

There are four shipping bolts in the rear panel of the washer that support the suspension system during transportation. **These bolts also retain the power cord inside the washer until the bolts are removed.**

1. Keep the washer in the upright position while removing the shipping bolts.

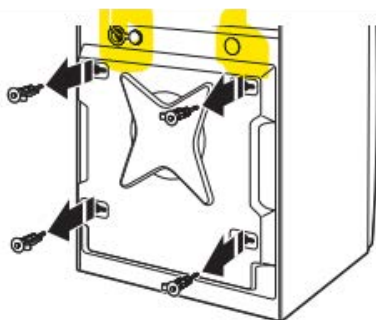


2. Using a 13 mm (1/2") wrench, loosen each of the bolts.



3. Once the bolt is loose, move it to the center of the hole and completely pull out the bolt, including the plastic spacer covering the bolt

4. Once all four bolts are removed, discard the bolts and spacers. Then push the plug back into the back of the washer and **pull the power cord through the left opening of the rear panel** and close the hole with the attached cap.



Make sure power cord is pulled through and removed from holes to stop cord rubbing on casing.

5. Close the bolt holes with the four transport bolt hole plugs.

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MHN33PD Quick Overview Test Cycle

Quick Test to see if machine is working going through hot & cold values, pump, motor, door lock, drain & spin operations. This shows 9 steps of testing and once the action is complete the washer will advance to the next step. The display will show what step machine is on. To advance to the next step before action complete press any keypad button except **BRIGHTS & KNITS** or **QUICK CYCLE**.

1. Lift service hatch with service key provided with machine.



2. Press and hold the **QUICK CYCLE**.
3. All characters on display will illuminate and flash.
4. Press **DELICATES & KNITS** to enter the quick overview test.

Step	Display Action	Control Action	What's checked
1	DELICATES	Door locks, drum turns ½ revolution, then door unlocks and relocks	Door lock Child safety routine Motor control (MCU)
2	PREWASH (flashes)	Accelerometer tests	Accelerometer sensing for loads
3	KNITS	Fills both cold inlet values (4 Litres) into Bleach Compartment	Cold water inlet value 2&3 Pressure switch. Suds level
4	WOLLENS	Fills hot water inlet value to wash level	Hot water inlet value Pressure switch. Suds level
5	WHITES	Drum spins and tumbles at wash speed. (30 Seconds) Drain pump is on	Motor
6	BRIGHTS		MCU
7	COLOURS		Drain pump. Pressure Switch
8	PERM PRESS	Drum rotates counterclockwise and ramps up. Unit performs unbalanced procedure before and after spinning drum will slow and stop after reaching 1 rpm and at 0 rpm door will unlock	Motor MCU (motor Control) Drain pump on
9	DELICATES	Only occurs if step 8 is manually advanced same as above. Door will unlock washer returns to flash mode	Door unlock

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MHN33PN Quick overview Test

Quick Test to see if machine is working going through hot & cold values, pump, motor, door lock, drain & spin operations. This shows 9 steps of testing and once the action is complete the washer will advance to the next step. The display will show what step machine is on. To advance to the next step before action complete press any keypad button except **BRIGHTS & KNITS** or **QUICK CYCLE**.

1. Press **WHITES, QUICK CYCLE, STOP PAUSE** then **BRIGHTS**.



2. The machine should display **6.00** (free vend)
3. Press & hold the **QUICK CYCLE**
4. All characters on display will illuminate and flash.



5. Press **DELICATES & KNITS** to enter the quick overview test.

Step	Display Action	Control Action	What's checked
1	DELICATES	Door locks, drum turns ½ revolution, then door unlocks and relocks	Door lock Child safety routine Motor control (MCU)
2	PREWASH (flashes)	Accelerometer tests	Accelerometer sensing for loads
3	KNITS	Fills both cold inlet values (4 Litres) into Bleach Compartment	Cold water inlet value 2&3 Pressure switch Suds level
4	WOLLENS	Fills hot water inlet value to wash level	Hot water inlet value Pressure switch Suds level
5	WHITES	Drum spins and tumbles at wash speed (30 Seconds)	Motor
6	BRIGHTS		MCU
7	COLOURS	Drain pump is on	Drain pump Pressure Switch
8	PERM PRESS	Drum rotates counterclockwise and ramps up. Unit performs unbalanced procedure before and after spinning drum will slow and stop after reaching 1 rpm and at 0 rpm door will unlock	Motor MCU (motor Control) Drain pump on
9	DELICATES	Only occurs if step 8 is manually advanced same as above. Door will unlock washer returns to flash mode	Door unlock

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MHN33 – HELP MODE

Help mode assists you to verify the behaviour of the washer and advises any error codes. This can be achieved on both PN/PD models.

PN Models- (free vend non coin)

To access service mode without removing AA1 connector, open door of machine, press upper left, lower right, upper right and lower left keypad (must not be in error mode).

The machine should display 6.00 press **DELICATES & KNITS** until display shows 2.XX.

Press **BRIGHTS**, Press **DELICATES & KNITS** to move to next option.

Pd Models – (Vend coin/ card operated)

To access remove the service hatch. The machine should display 6.XX press **DELICATES & KNITS** until display shows 2.xx.

Press **BRIGHTS**, Press **DELICATES & KNITS** to move to next option.

Help code	Description
OF	Over suds detected during cycle and washer was not able to resolve out of balance issue during final spin due to over suds.
32	More than 6 unbalanced load retries during spin.
33	Over suds detected during cycle and washer was not able to resolve out of balance issue during final spin due to over suds
71	Gen2 cycle card polling

If fault code appears check Fault/Error code chart for fault history

To exit press **Brights Keypad**

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MHN33 Faults/Error Codes

Error Code	Explanation	Recommended Procedure
F01	CCU Error -pump drive or relay on CCU won't activate – power surge	<ul style="list-style-type: none">• Clear error code(reset)• Unplug and disconnect power.• Wait 2 mins before power up.• Run Quickest• Replace CCU if fault not rectified
F11	MCU Error – control has failure- a repeated under or over voltage failure	<ul style="list-style-type: none">• Clear error code(reset)• Unplug and disconnect power.• Check OHM harness between motor and MCU.• Check water disturbance on MCU or harness.• If motor fails to turn on replace MCU
F03 F04	Accelerometer failure - component failed XYZ out of normal range	<ul style="list-style-type: none">• CCU dislodged from mounting.• Accelerometer failure eon CCU
F20	No water detected entering washer error – water level of pressure switch not detected after 6 mins Ui will display no H2O	This is caused by. <ul style="list-style-type: none">• No water taps turned off.• Kinked hoses behind dispenser draw• Defective hot or cold valves• Pressure switch or pressure hose damaged.• CCU connection to pressure hose damaged• Drain hose forced down standpipe.• blocked inlet to tub• do quickest and check above
F21	Long Drain – drain exceeds 8 minutes	<ul style="list-style-type: none">• damaged or blocked pump• water fills during drain.• excess suds in pressure switch hose• drain hose blocked kinked or exceeds height.• poor connection between CCU and drain pump.• do quickest and check above

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F22	Door lock Error- door can not shut twice check no obstruction	<ul style="list-style-type: none"> • misaligned broken door latch. • Connection from CCU to door lock failed. • Misaligned broken or over tightened door hook • Clear code visually check door hook and latch. • Power down remove toe panel and open latch manually if open requires door latch assembly or striker
F24	Temperature Sensor Error -water temp sensor is out of value (-5 to 103)	<ul style="list-style-type: none"> • Water temp sensor is damaged. • Electrical connections damaged to CCU • Clear code power down check ohm value sensor- replace sensor
F25	Tachometer Error – the MCU is unable to detect motor speed or error has occurred at high speed	<ul style="list-style-type: none"> • Damaged or poor connection from MCU motor • Clear error code • Check broken belt. • Check for transit bolts brace, suspension. • Verify connection MCU/ motor. • Check quicktest. • Replace MCU if no tumble on test motor operation replace motor.
F26	Door Switch Error – door switch is open circuit whilst supposed to be locked	See F22 fault
F27	Overflow conditions- pressure switch closed for more than 60 seconds inlets not closing, pressure switch faulty, or hose kinked	<ul style="list-style-type: none"> • Clear code • Perform quicktest. • Check kinked blocked pressure hose
F28	Communication error Between CCU & MCU- check harness	<ul style="list-style-type: none"> • Communication cable between MCU and CCU check continuity. • Clear error code and run quicktest

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F29	Door Unlock Error – door is unable to lock	See F22 & F26
F31	Overheating of Motor- heat sink exceeds 100 degrees	<ul style="list-style-type: none"> • Check installation. • Poor connection MCU & Motor • Clear error code • Quicktest • If fails, replace MCU
F33	Pump Disconnected – connection between pump and CCU lost	<ul style="list-style-type: none"> • Clear error • Check connections pump & CCU. • Quicktest • If fails, replace CCU
F34	Load detected during clen out cycle	<ul style="list-style-type: none"> • Empty machine • Clear error code • Check friction between bowl ad bellow
F70	Communication error between CCU& UI-	<ul style="list-style-type: none"> • Check wiring harness between CCU & UI • Power down machine 2 mins • Clear code • Can't rectify harness ok replace UI
F73	UI failure- power surge	<ul style="list-style-type: none"> • Power down 2 minutes with door open • Quicktest • If still faulting replace UI.
d5	Coin 1 error – coin sensor is blocked for 8 seconds	<ul style="list-style-type: none"> • Coin vault full of money. • Blocked dirty sensor coin mech. • Clear code • Check coin sensor and wiring
d9	Low Voltage Detection error- incoming voltage below 90V 8 seconds d13	<ul style="list-style-type: none"> • Worn GPO • No on own circuit • Check voltage inline filter transformer. • Quicktest UI
d13	Coin2 error- coin sensor is blocked for 8 seconds	See d5
d16	Debit Card Reader Error – no communication between card reader and UI	<ul style="list-style-type: none"> • Poor connection card reader and UI/ wiring • Check set up card reader and ensure correct settings in set up

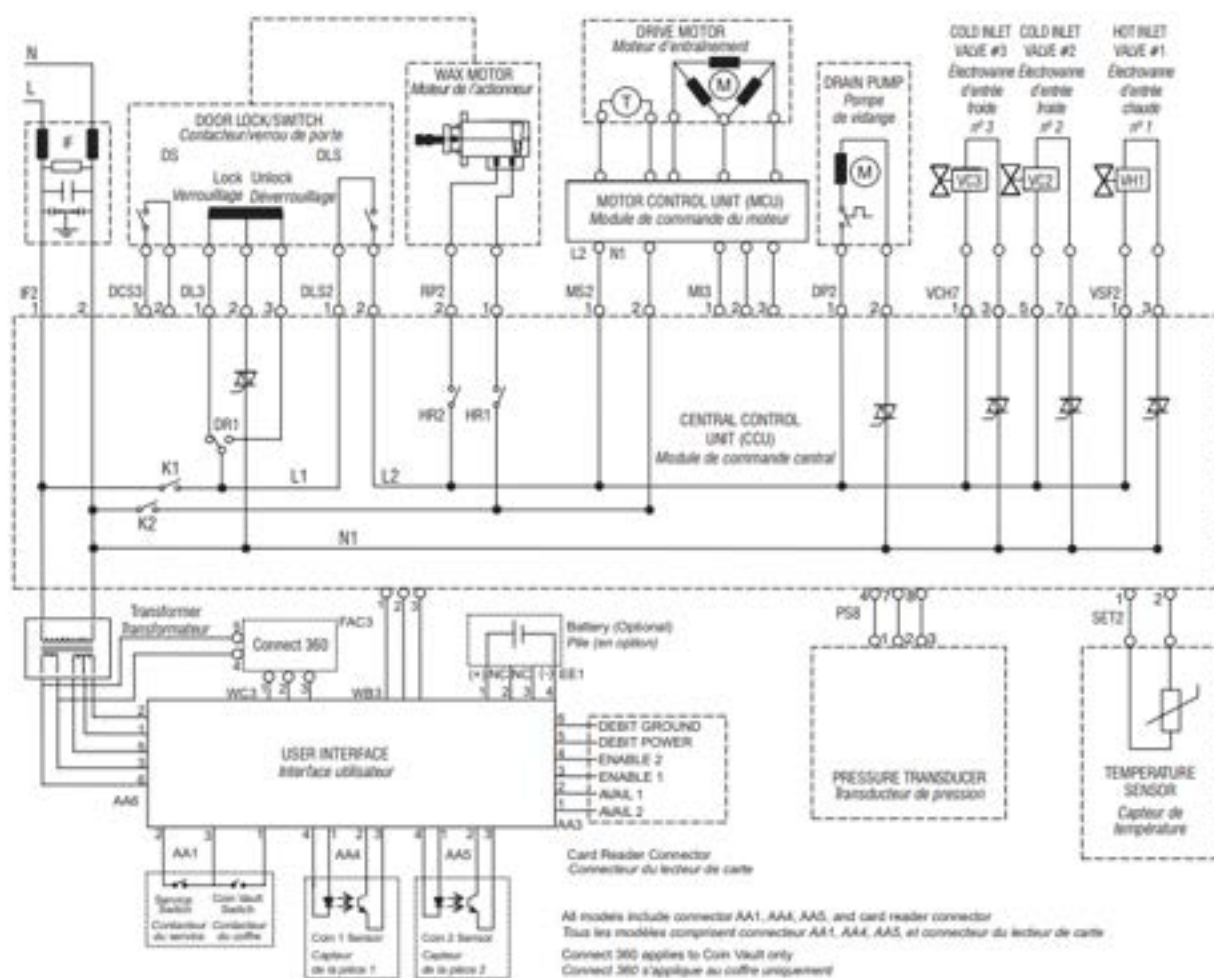
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MHN33PN/PD Wiring Diagram



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MHN33PN/PD – Clean Washer Cycle

The clean cycle is used to clean the scum build up in the bowl casing especially if only using cold water for washing. Using the machine clean cycle helps your machine stay clean, smell fresh and prevent breakdowns.

We recommend using a **BIODEGRADABLE & NON-TOXIC** solution in the clean cycle every month.
(the machine should have no clothes in it)

For MHN33PN (free vend)

1. Press **WHITES, QUICK CYCLE, STOP PAUSE** then **BRIGHTS**.



2. The machine should display **6.00** (free vend)
3. Press & hold the **QUICK CYCLE**
4. All characters on display will illuminate and flash.



5. Select **STOP/PAUSE**, this cycle uses more water, this cycle should not be interrupted.
6. Make sure you remove dispenser draw and rinse extra washing power/liquid weekly.
7. Open and close washer door after cycle ends.

For MHN33PD (vended machines)

1. Lift Service hatch with service key provided with machine.



2. The machine should display **6.xx** (vended price)
3. Press & hold the **QUICK CYCLE**
4. All characters on display will illuminate and flash.
5. Select **STOP/PAUSE**, this cycle uses more water, this cycle should not be interrupted.
6. Make sure you remove dispenser draw and rinse extra washing power/liquid weekly.
7. Open and close washer door after cycle ends and lock service latch.

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MHN33PD- How to Enable Cycle/ Money counter option.

1. Lift service hatch with service key provided with machine.



2. The screen should display 6.xx, use **DELICATES & KNITS** to advance to **9.00 Cycle Counter Option**,
(Once selected cannot be deselected without replacing UI board)
Press **QUICK CYCLE** 3 times to select on = **9.0C**
3. Press **DELICATES & KNITS** to advance to next code **1.00 Money Counter Option**
(Once selected cannot be deselected without replacing UI board.)
Press **QUICK CYCLE** 3 times to select on = **1.0C**
4. Lock service hatch and remove key, machine should display price you have selected for wash cycle.

Once these are enabled when the Service Hatch is opened it will scroll through 1.xx/2.xx if Cycle Count Enabled and 3.xx/4.xxx/5.xx if Money Count is enabled. To skip pass this to 6.xx Programming press **DELICATES & KNITS**

<u>CYCLE COUNTER</u>	<u>MONEY COUNTER</u>
When Cycle Counter enabled	When Money Counter enabled
1 . xx = HUNDREDS	3.xx = HUNDREDS
2. xxx = ONES	4.xxx = ONES
	5.xx = HUNDRETHS
1 02 / 225 = 225 Cycles	
1 00 / 205 = 5 Cycles	3 01 = \$100.00
	465 = \$65.00
	5 00 = \$00.00
	= TOTAL \$165.00

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MHN33PN/PD FREE CYCLE WITH – COIN/DEBIT CARD

To check payment after repair without payment when a coin slot or debit card is attached to machine.

1. Lift Service hatch with service key provided with machine.



2. The machine should display **6.xx** (vended price)
3. Press & hold the **QUICK CYCLE**
4. All characters on display will illuminate and flash.
5. Press **BRIGHTS** (CC will display)
6. Replace service hatch and lock.
7. Select Cycle will be displayed select free cycle to start.
8. Open and close door at end of cycle to end free cycle.

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How to increase Water Level on MHN33PD

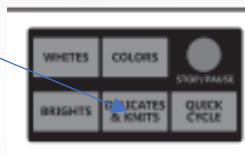
MHN33 washers are defaulted to LL (Lower Level) water consumption for energy rating – 40L per wash.

You can increase water level to these machines by turning the LL off in the programming mode.

PD Models (payment/machine)

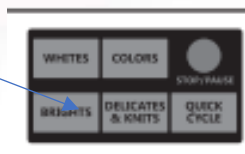
For PD models open the service hatch behind coin drop.

Then select **Delicates and Knits** until 2.00 is on display.



2.00

Press **Brights**



Then select **Delicates and Knits** until hE.ES is on Display. (Removes energy saver mode)

hE.ES

Press **Quick cycle** to change to hE. __

hE. __

Then select **Delicates and Knits** until hF.LL is on Display. (Removes lower water level fill)

hF.LL

Press **Quick cycle** to change to hF. __

hF. __

Press **Brights** to exit the programming mode.

Close service hatch behind coin drop.

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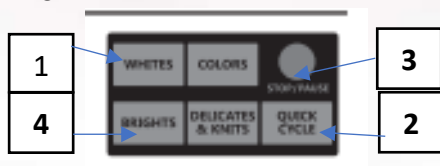
How to increase Water Level on MHN33PN

MHN33 washers are defaulted to LL (Lower Level) water consumption for energy rating – 40L per wash.

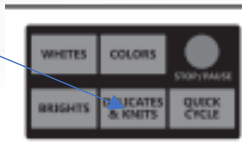
You can increase water level to these machines by turning the LL off in the programming mode.

PN Models (no payment/machine)

For PN models (no payment/machine) to get to 6.xx PRESS WHITES, QUICK CYCLE, STOP/PAUSE then BRIGHTS.



Then select **Delicates and Knits** until 2.00 is on display.



2.00

Press **Brights**



Then select **Delicates and Knits** until hE.ES is on Display. (Removes energy saver mode)

hE.ES

Press **Quick cycle** to change to hE.__

hE.__

Then select **Delicates and Knits** until hF.LL is on Display. (Removes lower water level fill)

hF.LL

Press **Quick cycle** to change to hF.__

hF.__

Press **Brights** to exit the programming mode.

Power machine off and on to reset the energy and fill level programs.

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MHN33PD- How to change Price on Coin Drop/Card Reader

To change the Price on Coin Drop/Card Reader follow below steps:

1. Lift service hatch with service key provided with machine.



2. The screen display should show 6.xx, use the **BRIGHTS** to Adjust values.

6.00	Free Vend
6.01	\$1.00
6.02	\$2.00
6.03	\$3.00
6.04	\$4.00
6.05	\$5.00
6.06	\$6.00

3. If your machine is set on 6.00 free vend you need to select your coin values. Select **DELICATES & KNITS** to advance to b.05 (Value of coin 1) select using **BRIGHTS** to b.20, then select **DELICATES & KNITS** to C.20 (Value of coin 2) select usings **BRIGHTS** to C40, so appears C.40
If machine is set up with vend price already then this will already be set.
4. Then press **DELICATES & KNITS** to advance to H settings, check that they are all H.00 for Cold, Cool, Warm, Hot & Extra rinse as the machine could be set at default to charge more for extra rinse. Press **BRIGHTS** to change all to H.00 if needed.
5. Select **DELICATES & KNITS** to advance through to J.Cd (Coin/Debit Option) for Vend price ensure J.Cd selected for Coin /Debit however if unit FREE Vend then this should be set to J._d .Pressing **QUICK CYCLE** three times will scroll through these options.
6. Lock service hatch and remove key, Machine should display price you have selected for wash cycle.
7. Open & Close washer door, machine is ready for use.

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MHN33PN How to reset machine(F Fault displays)

If the machine displays a F fault you can only clear this on a free vend machine by removing the AA1 connector in the UI board. Removing this allow the machine to be reset.

1. Isolate power to machine
2. Remove the soap dispenser draw, (Back left cnr of soap draw behind where detergent goes there is a plastic tab, use a flat blade screwdriver to push down on tab and pull dispenser draw completely out.)
3. Remove the 4 Torx screws around the washer display.
4. Remove the 2 Torx screws from left side where dispenser draw inserts.



5. Remove the facia by gently pulling fascia towards yourself.



6. Remove the 2 screws holding the top panel tabs (top left and top right).
7. Lift lid up, pull UI plastic mount panel up and forward to access the back of UI board.



8. Remove the AA1 Connector off UI board.



9. With board leaning forward turn power back on.
10. Press & hold **QUICK CYCLE** button until screen illuminates and flashes.
11. Machine will reset.
12. Isolate power again and reinstall AA1 connector and reinstall all components.
13. Turn power back on and open and close door & F fault should be cleared.

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MHN33PN How to reset machine (no F fault)

If the machine needs a reset and hasn't come up with a F fault you can do this without removing the AA1 connector.

1. Press **WHITES**, **QUICK CYCLE**, **STOP PAUSE** then **BRIGHTS**.



2. The machine should display **6.00** (free vend)
3. Press & hold the **QUICK CYCLE**



4. All characters on display will illuminate and flash, a cycle in progress will cancel, money in escrow is cleared and all diagnostic errors are cleared.
5. Open and close washer door, machine is reset and ready for a new cycle.

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MHN33PD How to reset machine.

If the machine displays a F fault this can be cleared by resetting machine. After replacing any components, the machine must be reset to clear the previous error code.

1. Lift service hatch with service key provided with machine.



2. Press and hold the **QUICK CYCLE**
3. All characters on display will illuminate and flash, a cycle in progress will cancel, money in escrow is cleared and all diagnostic errors are cleared.
4. Close and lock service hatch with key.
5. Open and Close washer door, machine is reset and ready for new cycle.

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MHN33PN Replacement of CCU & UI

MHN33PN- (Free Vend), when replacing the control both CCU and UI are sent part W11421104 both are to be replaced. The UI board as a AA1 connector for programming that needs to be inserted from old UI to new UI or the machine will not programme.



AA Connector
part W11243585



AA1 connector
on UI board

New part W11421104 UI



New UI board no
AA1 connector
for programming

Once installed the board will display **SYNC**, wait and then machine will allow you to Select Cycle.



For MHN33PD see tech sheet on how to program.

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MHN33& MLE/G 22 Scraping noise from washer

If you attend MHN33 or MLE/G 22 for scraping noise from the washer or belt broken, check the belt to see if it is scraping on the cross brace at the back of the washer.



This can be caused by unbalanced loads or overloading the washing machine depending on how the belt is damaged.

If there is any wear and tear to the belt it must be replaced **Part number – WPW10388418.**

The **BOTTOM BRACE** can be removed if customer is doing large loads or unbalanced loads to ensure no further damage. (Do not remove the top brace)

****** Do not turn the belt around and reinstall if one side is damaged, relace the belt. ******



Load stickers available through spares and are free for customers.

Install the stickers as per photo.

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MHN33 PD/PN PARTS LIST (doesn't include T series)

MODEL	DESCRIPTION	PART NUMBER
MHN33PN/PD	User Interface & CCU	W11421104
MHN33PN/PD	MCU (Motor Control)	WPW10385821
MHN33PN/PD	Touch Pad	W10787445
MHN33PN/PD	Drain Pump	W11129524
MHN33PN/PD	Door Lock Assembly	WPW10196671
MHN33PN/PD	Door Hook	WP8540221
MHN33PN/PD	Door hinge	WPW10198417
MHN33PD/PN	Belt	WPW10388418
MHN33PN/PD	Draw Detergent	W10395619
MHN33PN/PD	Draw Detergent Handle	WPW10137432
MHN33PN/PD	Complete draw Handle with fascia	HANDLE_KIT_-33
MHN33PN/PD	Draw Detergent Insert	W10433390
MHN33PN/PD	Complete Dispenser Draw with handle	SOAP DISPENSER DRAWER - 33
MHN33PN/PD	Bellow	W11126066
MHN33PN/PD	Temp sensor	WPW10467289
MHN33PN/PD	Hot water Valve (Single)	WPW10316932
MHN33PN/PD	Cold Water Valve (Double)	WPW10316929
MHN33PN/PD	Pressure Switch	WPW10448876
MHN33PN/PD	Pressure Switch Hose	W11252474
MHN33PN/PD	Harness Lower	W10475277
MHN33PN/PD	Harness Upper	W10810409
MHN33PN/PD	Shock Absorber (4)	W10822553
MHN33PN/PD	Motor	W11191299

****Parts are covered for 5 years from date of purchase for all manufacturing defects****



All parts above readily available from spares@dependablelaundry.com.au.

For warranty advise model & serial number, DOP with invoice.

Freight charges will apply if machine over 12 months, **SHIPPED OVERNIGHT** to your location.

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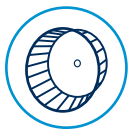
TAB 4

MLx22

9KG STACK WASHER/DRYER



MLE22 AND MLG22



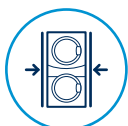
TURBOVENT® SYSTEM

- A high-speed blower wheel optimizes performance in long vents
- High airflow helps reduce drying times for a wide variety of loads
- Helps to increase efficiency and turns over the life of the machine



INTELLIGENT CONTROLS WITH M-SERIES TECHNOLOGY

- Easy-to-read diagnostics assist with quick identification of an issue helping to get the machine back into service
- Can be upgraded to Card Reader only to prevent vandalism and increase safety in your laundry
- End users can easily choose their preferred wash experience with one-touch selection
- Digital display clearly conveys prices, selections, and time remaining



SPACE-SAVING CONFIGURATION

- All within the floor space of a single unit, the large capacity of the 9kg washer provides ample room for bulky items, while the extra-large, 9kg dryer allows for loads to be dried effectively
- Saving space can still deliver an optimal cleaning experience for end-users and help maximize laundry throughput



BUILT TO LAST

- Porcelain enamel top — a durable finish that stands up to the demands of high-traffic
- Premium bearings — oversized premium NSK bearings are sealed for added protection of the drive system
- Robust hinge — heavy-duty, die-cast door hinge is built to withstand the rigors of commercial laundry



NON-COIN

MLE22PN (pictured)
Also available in gas

9kg Stack Washer/Dryer		
Payment Configuration	Electric	Gas
Non-Coin	MLE22PN	MLG22PN
Coin Drop or Card Reader Ready	MLE22PD	MLG22PD



See maytagcommerciallaundry.com for warranty details.



COIN DROP OR CARD READER READY

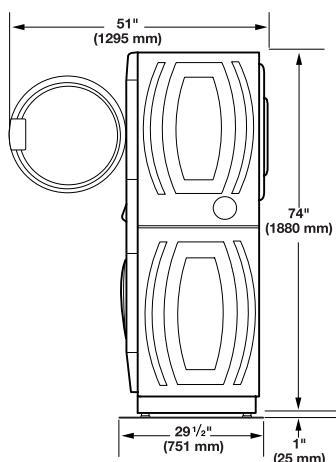
MLE22PD (pictured)
Also available in gas

9KG STACK WASHER/DRYER

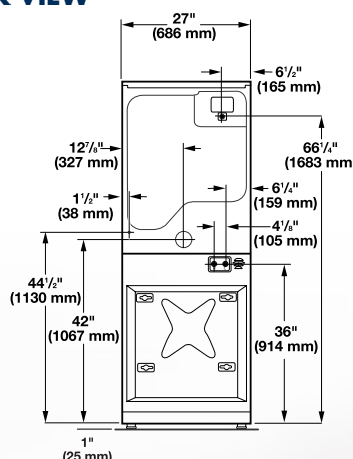


MLE22 AND MLG22

SIDE VIEW



BACK VIEW



Maximum Exhaust Duct Length Per Number of Turns

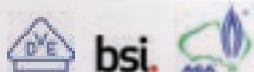
Rigid Metal Vent

Box Hood and
Louvered Style

Angled Hood Style

No. of
90° Turns

0	39.6 m	39.3 m
1	38.1 m	36.3 m
2	35.1 m	33.2 m
3	32.3 m	30.5 m
4	29.9 m	28.0 m



*Use 4" (100 mm) diameter rigid aluminum or galvanized steel duct. Never use plastic, non-metal or combustible duct. See specific instructions for proper installation. Because of continuous product improvement, Maytag reserves the right to change specifications without notice. Export model ships without coin-drop mechanism.

MODELS COIN DROP / CARD READY NON-COIN	MLE22PD MLE22PN	MLG22PD MLG22PN
Fuel Type	Electric	Gas
CAPACITY		
Cylinder Volume — liters	88	88
Cylinder Diameter — mm	547	547
Cylinder Depth — mm	340	340
DIMENSIONS		
Width — mm	686	686
Depth — mm	751	751
Height — mm	1,880	1,880
Door Opening — mm	362	362
Exhaust Duct Diameter — in. (mm)	4 (100)*	4 (100)*
CRATED DIMENSIONS		
Crated Width — mm	743	743
Crated Depth — mm	864	864
Crated Height — mm	1,924	1,924
APPROXIMATE WEIGHT		
Uncrated — kg	169	171
Crated — kg	173	176
ELECTRICAL REQUIREMENTS		
Voltage	220-240V - 50Hz	220-240V - 50Hz
Breaker/Fuse — amps	25	10
Airflow — CFM (CMM)	215 (6.1)	230 (6.5)
Electric Heating Element (watts)	4,600	N/A
Gas Rating — BTU/hr (kcal/hr)	N/A	20,000 (5,040)
Gas Inlet Size — in.	N/A	3/8 N.P.T.
Motor Size — HP (kW)	1/3 (0.25)	1/3 (0.25)



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Stack Washer/ Dryers

All washer dryer combo units come with transit bolts, which are required to be moved at time of installation and 1 power supply for both the washer & dryer.

Maytag stack units comprise of single load washer and dryers but are controlled by one user interface board. This enables the requirement to only need to have one payment system either coin/debit card system.



POWERWASH used to increase values on washer set up codes.

HEAVY DUTY used to increase values on dryer set up codes.

EXTRA RINSE used to advance through set up codes.

DELICATES used to select or deselect set up codes.

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MLE/G 22 Washer Quick overview Test

1. Insert Service key and turn anticlockwise. Screen should display 6.xx
2. If screen still displays fault and doesn't display 6.xx. Press **EXTRA RINSE**
3. Press and Hold **DELICATES** for 3 seconds until P-01 displays.
4. Press **EXTRA RINSE** until P-03 displays.
5. Press Green **START/ STOP PAUSE** Button



Step	Display Action	Control Action	What's checked
1	DELICATES	Door locks, drum turns ½ revolution, then door unlocks and relocks	Door lock Child safety routine Motor control (MCU)
2	PREWASH (flashes)	Accelerometer tests	Accelerometer sensing for loads
3	NORMAL	Fills both cold inlet values (4 Litres) into Bleach Compartment	Cold water inlet value 2&3 Pressure switch Suds level
4	POWER WASH	Fills hot water inlet value to wash level	Hot water inlet value Pressure switch Suds level
5	DELICATES	Drum spins and tumbles at wash speed (30 Seconds)	Motor
6	NORMAL		MCU
7	POWER WASH	Drain pump is on	Drain pump Pressure Switch
8	DELICATES	Drum rotates counterclockwise and ramps up. Unit performs unbalanced procedure before and after spinning drum will slow and stop after reaching 1 rpm and at 0 rpm door will unlock	Motor MCU (motor Control) Drain pump on
9	NORMAL	Only occurs if step 8 is manually advanced same as above. Door will unlock washer returns to flash mode	Door unlock

When finished test Press extra rinse back to P-01, remove service key and open and close washer door.

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MLE/G22 DRYER DIAGNOSTIC TEST

To test the Dryer, you must use washer controls to get into diagnostic mode then move to dryer.

1. Insert Service key and turn anticlockwise. Screen should display 6.xx
2. If screen still displays fault and doesn't display 6.xx. Press **EXTRA RINSE**
3. Press and Hold **DELICATES** for 3 seconds until P-01 displays.
4. Press **EXTRA RINSE** until P-010 displays.
5. Press Green **START/ STOP PAUSE** Button



This runs the dryer into an 8-minute diagnostic mode & 1 minute of cool down.
IF dryer faults the code will be displayed on top half of the display

Dryer display code	Explanation
d5	Coin 1 error – blocked coin 1
d9	Low voltage error – voltage below 90V for 8 seconds
d13	Coin 2 error – blocked coin 1
d16	Debt card reader error – cannot read card reader
F01	Dryer motor control circuit error- control doesn't know if dryer relay is on or off reset and do diagnostic test
F22	Exhaust Thermistor open error – exhaust thermistor open
F23	Exhaust Thermistor shorted error- exhaust thermistor short
F70	Communication error for dryer CCU – disconnect cable from dryer CCU to UI
F71	Dryer CCU failure not communicating with UI – dryer CCU fault

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MLE/G22 TOUCH PAD BUTTON TEST

When the customer advises the touch display is not responding you can use this test to ensure all buttons are responding to demands.

1. Insert Service key and turn anticlockwise. Screen should display 6.xx
2. If screen still displays fault and doesn't display 6.xx. Press **EXTRA RINSE**
3. Press and Hold **DELICATES** for 3 seconds until P-01 displays.
4. Press **EXTRA RINSE** until P-05 displays.
5. Press Green **START/ STOP PAUSE** Button
6. Press **POWERWASH** – number 1 is displayed.
7. Press **NORMAL**- number 2 is displayed.
8. Press **DELICATES**- number 3 is displayed.
9. Press **TEMPERATURE**- number 4 is displayed.
10. Press **EXTRA RINSE**- number 5 is displayed.
11. Press **START**- number 6 is displayed.



If the corresponding numbers do not display, then the touch pad needs to be replaced.

- 12 Press **DELICATES** to get unit to display P-01 remove service key & close washer door.

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MLE/G22 Faults/Error Codes

Error Code	Explanation	Recommended Procedure
F01	CCU Error -pump drive or relay on CCU won't activate – power surge	<ul style="list-style-type: none">• Clear error code(reset)• Unplug and disconnect power.• Wait 2 mins before power up.• Run Quickest• Replace CCU if fault not rectified
F11	MCU Error – control has failure- a repeated under or over voltage failure	<ul style="list-style-type: none">• Clear error code(reset)• Unplug and disconnect power.• Check OHM harness between motor and MCU.• Check water disturbance on MCU or harness.• If motor fails to turn on replace MCU
F03 F04	Accelerometer failure - component failed XYZ out of normal range	<ul style="list-style-type: none">• CCU dislodged from mounting.• Accelerometer failure eon CCU
F20	No water detected entering washer error – water level of pressure switch not detected after 6 mins Ui will display no H2O	This is caused by. <ul style="list-style-type: none">• No water taps turned off.• Kinked hoses behind dispenser draw• Defective hot or cold valves• Pressure switch or pressure hose damaged.• CCU connection to pressure hose damaged• Drain hose forced down standpipe.• blocked inlet to tub• do quickest and check above
F21	Long Drain – drain exceeds 8 minutes	<ul style="list-style-type: none">• damaged or blocked pump• water fills during drain.• excess suds in pressure switch hose• drain hose blocked kinked or exceeds height.• poor connection between CCU and drain pump.• do quickest and check above

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F22	Door lock Error- door can not shut twice check no obstruction	<ul style="list-style-type: none"> • misaligned broken door latch. • Connection from CCU to door lock failed. • Misaligned broken or over tightened door hook • Clear code visually check door hook and latch. • Power down remove toe panel and open latch manually if open requires door latch assembly or striker
F24	Temperature Sensor Error -water temp sensor is out of value (-5 to 103)	<ul style="list-style-type: none"> • Water temp sensor is damaged. • Electrical connections damaged to CCU • Clear code power down check ohm value sensor- replace sensor
F25	Tachometer Error – the MCU is unable to detect motor speed or error has occurred at high speed	<ul style="list-style-type: none"> • Damaged or poor connection from MCU motor • Clear error code • Check broken belt. • Check for transit bolts brace, suspension. • Verify connection MCU/ motor. • Check quicktest. • Replace MCU if no tumble on test motor operation replace motor.
F26	Door Switch Error – door switch is open circuit whilst supposed to be locked	See F22 fault
F27	Overflow conditions- pressure switch closed for more than 60 seconds inlets not closing, pressure switch faulty, or hose kinked	<ul style="list-style-type: none"> • Clear code • Perform quicktest. • Check kinked blocked pressure hose
F28	Communication error Between CCU & MCU- check harness	<ul style="list-style-type: none"> • Communication cable between MCU and CCU check continuity. • Clear error code and run quicktest

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F29	Door Unlock Error – door is unable to lock	See F22 & F26
F31	Overheating of Motor- heat sink exceeds 100 degrees	<ul style="list-style-type: none"> • Check installation. • Poor connection MCU & Motor • Clear error code • Quicktest • If fails, replace MCU
F33	Pump Disconnected – connection between pump and CCU lost	<ul style="list-style-type: none"> • Clear error • Check connections pump & CCU. • Quicktest • If fails, replace CCU
F34	Load detected during clen out cycle	<ul style="list-style-type: none"> • Empty machine • Clear error code • Check friction between bowl ad bellow
F70	Communication error between CCU& UI- voltage drop	<ul style="list-style-type: none"> • Check wiring harness between CCU & UI • Power down machine 2 mins • Clear code • Pull L1 out dryer CCU replace dryer CCU
F73	UI failure- power surge	<ul style="list-style-type: none"> • Power down 2 minutes with door open • Quicktest • If still faulting replace UI.
d5	Coin 1 error – coin sensor is blocked for 8 seconds	<ul style="list-style-type: none"> • Coin vault full of money. • Blocked dirty sensor coin mech. • Clear code • Check coin sensor and wiring
d9	Low Voltage Detection error- incoming voltage below 90V 8 seconds d13	<ul style="list-style-type: none"> • Worn GPO • No on own circuit • Check voltage inline filter transformer. • Quicktest UI
d13	Coin2 error- coin sensor is blocked for 8 seconds	See d5
d16	Debit Card Reader Error – no communication between card reader and UI	<ul style="list-style-type: none"> • Poor connection card reader and UI/ wiring • Check set up card reader and ensure correct settings in set up

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MLE/G22 Faults/Error Codes- Dryers

d5	Coin 1 error – coin sensor is blocked for 8 seconds	<ul style="list-style-type: none"> • Coin vault full of money. • Blocked dirty sensor coin mech. • Clear code • Check coin sensor and wiring
d9	Low Voltage Detection error- incoming voltage below 90V 8 seconds	<ul style="list-style-type: none"> • Worn GPO • Not on own circuit • Check voltage inline filter transformer. • Quicktest UI
d13	Coin2 error- coin sensor is blocked for 8 seconds	See d5
d16	Debit Card Reader Error – no communication between card reader and UI	<ul style="list-style-type: none"> • Poor connection card reader and UI/ wiring • Check set up card reader and ensure correct settings in set up
F01	Dryer Motor Control Circuit error – control doesn't know if motor relay is on	<ul style="list-style-type: none"> • Clear code • Diagnostic test • Replace CCU dryer
F22	Exhaust thermistor open Error – exhaust thermistor open	<ul style="list-style-type: none"> • Check blower housing lint build up • replace
F23	Exhaust thermistor shorted Error- exhaust thermistor shorted above 120 degrees	<ul style="list-style-type: none"> • Check blower housing lint build up • replace
F70	Communication CCU dryer to UI- voltage drop	<ul style="list-style-type: none"> • Power down • Disconnect L1 dryer CCU
F71	Communication failure UI to CCU dryer – check harness	<ul style="list-style-type: none"> • Clear fault • Diagnostic test

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MLE/G22 – Clean Washer Cycle

The clean cycle is used to clean the scum build up in the bowl casing especially if only using cold water for washing. Using the machine clean cycle helps your machine stay clean, smell fresh and prevent breakdowns.

We recommend using a **BIODEGRADABLE & NON-TOXIC** solution in the clean cycle every month.
(the machine should have no clothes in it)

1. Insert Service key and turn anticlockwise. Screen should display 6.xx
2. If screen still displays fault and doesn't display 6.xx. Press **EXTRA RINSE**
3. Press and Hold **DELICATES** for 3 seconds until P-01 displays.
4. Press **EXTRA RINSE** until P-08 displays.
5. Press Green **START/ STOP PAUSE** Button
6. Machine will be locked until cycle ends.
7. Machine will display P-08
8. Press **DELICATES** to return machine to P-01
9. Turn service key back clockwise and open and close washer door.



Make sure you remove dispenser draw and clean weekly to remove excess detergent build up.

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MLE/G22 PD how to change Price on Coin Drop/ Card reader.

To change the price on Coin Drop/Card reader follow the below steps.

1. Turn service key to the left located in front of machine.



2. If machine doesn't display 6.xx press **EXTRA RINSE**

6.00	Free Vend
6.01	\$1.00
6.02	\$2.00
6.03	\$3.00
6.04	\$4.00
6.05	\$5.00
6.06	\$6.00

3. The machine should display 6.xx press **POWER WASH** to adjust values up and **TEMPERATURE** to decrease values on washer.
For Dryer use **HEAVY DUTY**.
4. If your machine is set on 6.00 free vend you need to select your coin values. Select **EXTRA RINSE** to advance to b.05 (Value of coin 1) select using **POWER WASH** to b.20, then select **POWER WASH** to C.20 (Value of coin 2) select **EXTRA RINSE** usings to C40, so appears C.40
If machine is set up with vend price already then this will already be set.
5. To set dryer cost select **EXTRA RINSE** to advance to **6.06 Regular Price dryer** =\$6.00, change drying cost by selecting **HEAVY DUTY**. Dry times are based on vend price x times your regular dry time in minutes. Machine is set at \$6.00 for 30 minutes dry time.
6. To set dryer times select **EXTRA RINSE** to advance to **7.05 Regular dryer** time =\$6.00, change drying cost by selecting **HEAVY DUTY**. Dry times are based on vend price x times your regular dry time in minutes. Machine is set at \$6.00 for 30 minutes dry time, we recommend 45 min as normal dry time use **HEAVY DUTY** to change to 7.09 = \$6.00 x 45 mins.
7. Then press **EXTRA RINSE** to advance to H settings, check that they are all H.00 for Cold, Cool, Warm, Hot & Extra rinse as the machine could be set at default to charge more for extra rinse. Press **POWER WASH** to change all to H.00 if needed.
8. Select **POWER WASH** to advance through to J.Cd (Coin/Debit Option) for Vend price ensure J.Cd selected for Coin /Debit however if unit FREE Vend then this should be set to J._d .Pressing **DELICATES** three times will scroll through these options.
9. Tun Key clockwise and remove open and close both doors, machine set at new price.

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MLE/G22PN/PD How to Add Extra water (not T series)

MLE22 stack washers are defaulted to LL (Lower Level) water consumption for energy rating – 40L per wash. Power wash uses the most water.

You can increase water level to these machines by turning the LL off in the programming mode.

Power wash uses the most water.

1. Insert Service key and turn anticlockwise. Screen should display 6.xx
2. Press **EXTRA RINSE** until 2.00 displays in set up mode.
3. Press **TEMPERATURE**
4. Press **EXTRA RINSE** until hE.ES is on Display.
(Removes energy saver mode)



hE.ES

Press **DELICATES** to change to hE. __

hE. __

5. Press **EXTRA RINSE** until hF.LL is on Display.
(Removes lower water level fill)

hF.LL

Press **DELICATES** to change to hF. __

hF. __

6. Press **TEMPERATURE** to return to set up mode.

Remove service key and open & close washer door

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MLE/G 22 FREE CYCLE WITH – COIN/DEBIT CARD

1. Insert Service key and turn anticlockwise. Screen should display 6.xx
2. If screen still displays fault and doesn't display 6.xx. Press **EXTRA RINSE**
3. Press and Hold **DELICATES** for 3 seconds until P-01 displays.
4. Press **EXTRA RINSE** until P-02 displays.
5. Press Green **START/ STOP PAUSE** Button



This provides you with a 1 free cycle Turn service key back clockwise.

6. Price will display in machine press **START/ STOP PAUSE** free cycle will begin.
7. After free cycle machine will resort back to normal.

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MLE/G22PD How to Enable Cycle/ Money counter option

1. Insert Service key and turn anticlockwise. Screen should display 6.xx
2. If screen still displays fault and doesn't display 6.xx. Press **EXTRA RINSE**
3. Press **EXTRA RINSE** to advance to **9.00 Cycle Counter Option**
(Once selected cannot be deselected without replacing UI board)
Press **DELICATES** 3 times to select on = **9.0C**
4. Press **EXTRA RINSE** to advance to next code **1.00 Money Counter Option**
(Once selected cannot be deselected without replacing UI board.)
Press **DELICATES** 3 times to select on = **1.0C**
5. Turn service key back clockwise and open and close washer door



Once these are enabled when the Service Key is turned it will scroll through 1.xx/2.xx if Cycle Count Enabled and 3.xx/4.xxx/5.xx if Money Count is enabled. To skip pass this to 6.xx Programming press

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MLE22PN/PD and MLG22PN/PD Reset

1. **INSERT SERVICE KEY** TURN QUARTER TURN TO THE LEFT -SCREEN SHOULD NOW DISPLAY “6-**”
2. **IF SCREEN DOESN’T DISPLAY 6-**** PRESS EXTRA RINSE TO ADVANCE TO “6-**”, RELEASE
3. **PRESS AND HOLD** WASHER DELICATES BUTTON FOR 3 SECONDS THEN RELEASE
4. **SCREEN SHOULD DISPLAY P-01**
5. **PRESS GREEN** START BUTTON
6. **TURN SERVICE KEY BACK CLOCKWISE** AND REMOVE, OPEN AND CLOSE WASHER DOOR – THE MACHINE IS NOW RESET.



Nb. This Reset enters the machine main programming, selecting and/or changing any other buttons during these steps can cause changes to machine programming – DO

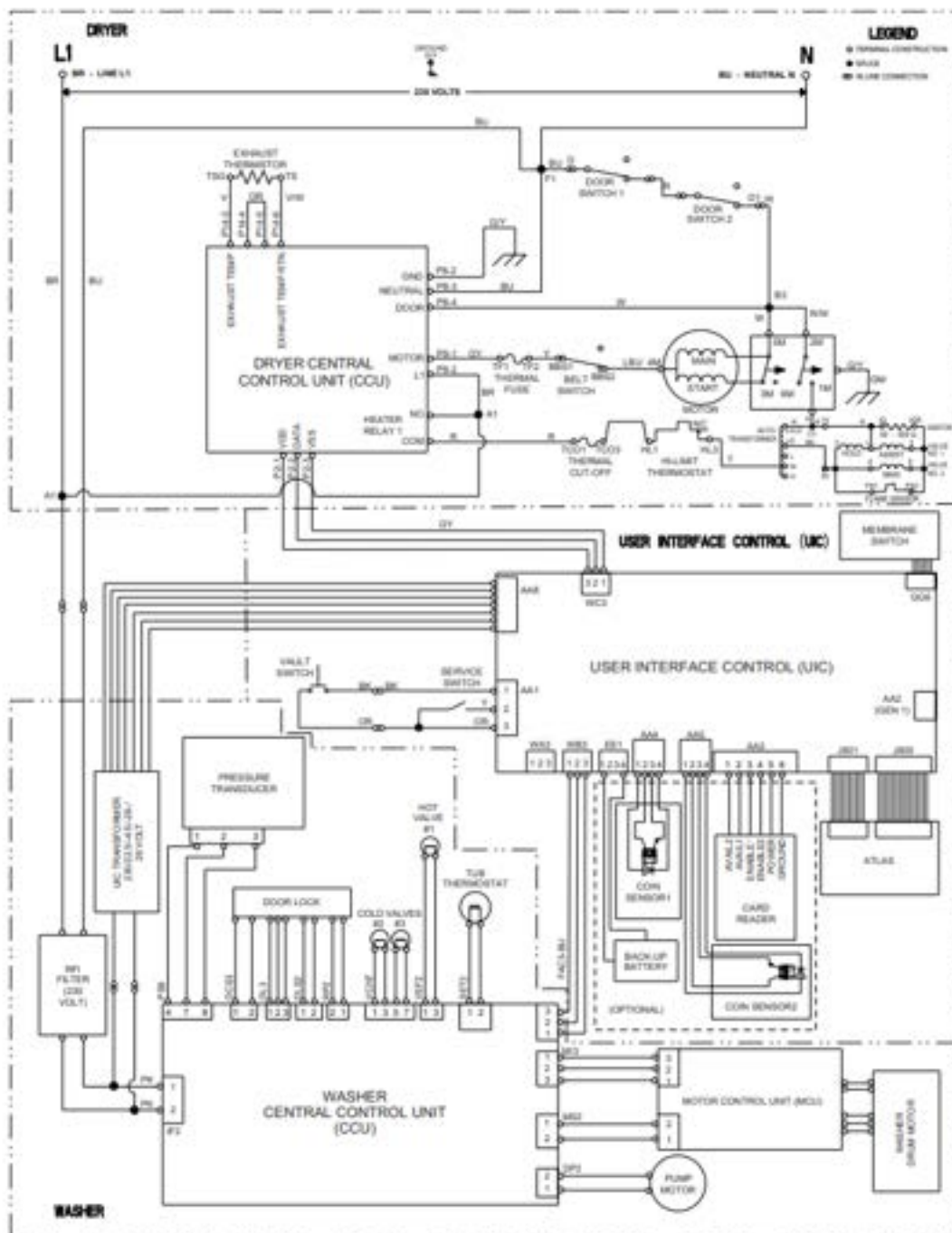
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MLE/G 22 PN/PD Model Parts (excluding T series)

MODEL	DESCRIPTION	PART NUMBER
MLE22PN/PD	User Interface (UI)	W11394379
MLE22PN/PD	Washer CCU	W11394378
MLE22PN/PD	Washer MCU	W10385821
MLE22PN/PD	Dryer CCU	WPW10166380
MLE/G22 All	Touch Pad	W11215527
MLE/G22 All	Pressure Switch	WPW10448876
MLE/G22 All	Pressure Switch Hose	W11252474
MLE/G22 All	Washer Belt	WPW10388418
MLE/G22 All	Dryer Belt	WPW10131172
MLE/G22 All	Drain Pump	W11129524
MLE/G22 All	Washer Door Lock assembly	WPW10196671
MLE/G22 All	Washer Door Hook	WP8540221
MLE/G22 All	Washer Door Hinge	WPW10198417
MLE/G22 All	Dryer Door Hinge	W10198424
MLE/G22 All	Dryer Door handle	W10850397
MLE/G22 All	Dryer Door catch & strike	279570
MLE/G22 All	Draw Detergent	W10395619
MLE/G22 All	Draw Detergent Handle	WPW10137432
MLE/G22 All	Draw Detergent Handle complete with handle	HANDLE_KIT_ - 22
MLE/G22 All	Draw Detergent Insert	W10433390
MLE/G22 All	Detergent draw complete with handle	SOAP DISPENSER - 22 COMPLETE
MLE/G22 All	Washer Bellow	W11126066
MLE/G22 All	Washer Temp sensor	WPW10467289
MLE/G22 All	Hot water valve	WPW10316932
MLE/G22 All	Cold water valve	WPW10316929
MLE/G22 All	Dryer Blower wheel	W11327190
MLE/G22 All	Dryer lint screen	W10120998
MLE/G22 All	Dryer Support Roller (4)	WPW10314173
MLE22 PN/PD	Dryer Heater (electric)	WP3387749
MLE22 PN/PD	Thermostat/ Fuse Kit for Heating element (electric)	W10154212
MLE22 PN/PD	Thermal Fuse (electric) 91 C	WP3392519
MLE22 PN/PD	Thermistor Limiter (electric next to thermal fuse)	WPW10167627
MLE22 All	Speed increaser	W11233883
MLG22 PN/PD	Thermostat (Gas) also replace thermal fuse	W10853395
MLG22 PN/PD	Thermal Fuse (Gas) also replace thermostat	WPW10181549
MLG22 PN/PD	Radiant Sensor	WP338906
MLG22 PN/PD	Coli Booster and secondary coil Kit	279834

All spares available from spares@dependablelaundry.com.au

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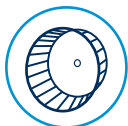
TAB 5

MDx20

9KG LARGE CAPACITY DRYERS



MDE20 AND MDG20



TURBOVENT® SYSTEM

- A high-speed blower wheel optimizes performance in long vents
- High airflow helps reduce drying times for a wide variety of loads
- Helps to increase efficiency and increase the life of the machine



CONTROLS TO MEET YOUR NEEDS

- Mechanical controls provide a simple user interface with robust, easy-to-use knobs
- Get flexibility and individual cycle pricing options for optimal earnings through Intelligent Controls with M-Series Technology, while end users can easily choose their preferred wash experience with one-touch cycle selection



LARGE CAPACITY

- 9kg capacity dryer helps allow for large loads to be dried efficiently and effectively
- Delivers an optimal drying experience for users and helps maximize productivity



BUILT TO LAST

- Porcelain enamel top — a durable finish that stands up to the demands of high-traffic
- Full wrap console — designed to help protect the internal components
- Front-panel accessibility — provides fast entry to internal components for streamlined self-service
- Extra-large reversible door — provides users unhindered access while loading and unloading



CARD READER COMPATIBLE

- Order your new washer as Card Only to prevent vandalism and increase safety on site.
- Never have to worry about where the gold coins from your laundry end up with real time reporting and payment deposited straight into your nominated bank account.



COIN DROP EQUIPPED

MDE20PD (pictured)
Also available in gas



NON-COIN

MDE20MN (pictured)
Also available in gas

Single-Load Top-Load MATCHING Dryer Models - 50 Hz

Payment Configuration	Electric	Gas
Coin Drop or Card Reader Ready	MDE20PD	MDG20PD
Non-Coin	MDE20MN	MDG20MN



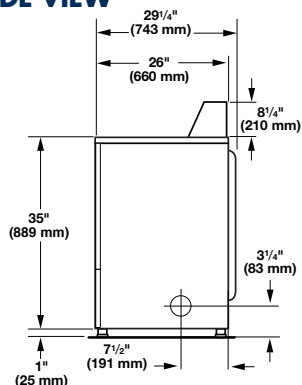
See maytagcommerciallaundry.com for warranty details.

9KG LARGE CAPACITY DRYERS

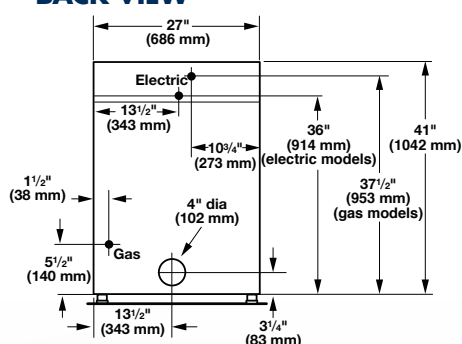


MDE20 AND MDG20

SIDE VIEW



BACK VIEW



Maximum EXHAUST DUCT length PER NUMBER OF TURNS

Rigid Metal Vent

Box Hood and
Louvered Style

Angled Hood Style

No. of
90° Turns



0	64 ft. (19.5 m)	58 ft. (17.7 m)
1	54 ft. (16.5 m)	48 ft. (14.6 m)
2	44 ft. (13.4 m)	38 ft. (11.6 m)
3	35 ft. (10.7 m)	29 ft. (8.8 m)
4	27 ft. (8.2 m)	21 ft. (6.4 m)



*Includes height of metercase.

**Based on 2018 United States DOE J2 Testing with factory preset cycles.

Dimensions are for planning purposes only. See specific instructions for proper installation. Because of continuous product improvement, Maytag reserves the right to change specifications without notice.

MODELS		
COIN DROP / CARD READY COIN SLIDE NON-VEND	MDE20PD MDE20MN	MDG20PD MDG20MN
Fuel Type	Electric	Gas
CAPACITY		
Cylinder Volume — liters	210	210
Cylinder Diameter — mm	667	667
Cylinder Depth — mm	590	590
DIMENSIONS		
Width — mm	686	686
Depth — mm	743	743
Height — mm	1,092*	1,092*
Door Opening — mm	514	514
Exhaust Duct Diameter — in. (mm)	4 (101.6)**	4 (101.6)**
CRATED DIMENSIONS		
Crated Width — mm	731	731
Crated Depth — mm	782	782
Crated Height — mm	1,134	1,134
APPROXIMATE WEIGHT		
Uncrated — kg Coin Drop & Card Ready Models	56.7	64.4
Uncrated — kg Non-Coin Models	52.2	57.6
Crated — kg Coin Drop & Card Ready Models	61.2	68.9
Crated — kg Non-Coin Models	56.7	62.1
ELECTRICAL REQUIREMENTS		
Voltage	220-240V - 50Hz	220-240V - 50Hz
Breaker/Fuse — amps	25	10
Airflow — CFM (CMM)	215 (6.10)	230 (6.50)
Electric Heating Element (watts)	4,600	N/A
Gas Rating — BTU/hr (kcal/hr)	N/A	20,000 (5,040)
Gas Inlet Size — in.	N/A	3/8 N.P.T.
Motor Size — HP (kW)	1/3 (.25)	1/3 (.25)



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MDE/G20 MN/PD

Single load dryers that need to be on their own circuit.

MDE/G20MN are free vend with timer control.
MDE20PD full electronic and vended.

All dryers should be vented, gas dryers is a regulatory requirement to vent with rigid fluing.

Both Models Thermal fuses are not resettable, they have failed due to the unit getting too hot. Normally caused by lint in the blower housing, exhaust vent around element. Ensure you check all departments for lint.

The blower wheel assembly is accessible through the kick panel.

NORMAL will advance code to code.

HEAVY DUTY will change the code value.

DELICATES will select or deselect options.



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MDE/MDG20 PD – Diagnostic Mode & Help Mode

Diagnostic Mode is used for the machine to go through the cycle to see if machine shows a fault error code for ease of repair, this can also be used to test machine after repair to ensure working.

Diagnostic Mode

1. Lift the service hatch with service key provided with machine.



2. Press and hold the **DELICATES** for 1 second until whilst on 6.xx
3. This will clear error codes and by pressing **NORMAL** whilst everything is flashing this will enter a Diagnostic Cycle
4. Diagnostic Cycle consists of 7min Heat & 1min Cooldown at the end if a fault is found an error code will be presented.

CODE	EXPLANATION
d 1	Dryer door sense error on control board or due to power line interference (cycles and price display disabled until diagnostic code is manually cleared).
d 4	Dryer motor control circuit error (cycles and customer display disabled until diagnostic code is manually cleared).
d 5	Blocked coin 1 or coin drop control circuit failure (coin recognition and customer display disabled while blockage persists).
d 9	Voltage detected below 90 VAC for 8 seconds.
d 12	Motor sense error on control board or due to power line interference (cycles and customer display disabled until diagnostic code is manually cleared).
d 13	Blocked coin 2 or coin drop control circuit failure (coin recognition and price display disabled while blockage persists).
d 16	Not receiving communications from installed debit card reader in Enhanced (Generation 2) Debit mode.

Help Mode

1. Lift the service hatch with service key provided with machine.



2. Press **NORMAL** until Display shows 2.xx
3. Press **HEAVY DUTY**

*..... low voltage present (below about 90 VAC)
 circle above digit door closed
 &..... 60°C (140°F) thermostat closed
 OR..... motor sensed running
 AIR..... heater/gas valve relay on
 FLUFF..... motor relay on

Help Mode will show Software version but also show other symbols and elements mapped to reflect the state of various inputs and outputs as per above table.

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MDE /G 20PD CUSTOMER SOFT RESET

This procedure will work on all MDE PD type dryers

1. **Remove the service hatch with your service key.**
(By removing service hatch puts machine into service mode)



2. **Press and hold the “DELICATES” button until screen flashes.**



3. Release the “DELICATES” button and **replace the service hatch.**

***** the Dryer is now reset *****

If Fault code persists there is a 15 second delay before you can retry If machine will not reset, you need to call SERVICE on 1800 629 824 for technician to attend to the fault

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MDE/MDG20PD – How to Change the Price on Coin Drop/Card Reader

To change the Price on Coin Drop/Card Reader follow below steps:

1. Lift service hatch with service key provided with machine.



2. The screen display should show 6.xx, use the **HEAVY DUTY** to Adjust values.

6.00	Free Vend
6.01	\$1.00
6.02	\$2.00
6.03	\$3.00
6.04	\$4.00
6.05	\$5.00
6.06	\$6.00

3. If your machine is set on 6.00 free vend you need to select your coin values. Select **NORMAL** to advance to b.05 (Value of coin 1) select 20 so appears b.20 , then select **NORMAL** to C.20 (Value of coin 2) select 40 so appears C.40
If machine is set up with vend price already then this will already be set.
4. Select **NORMAL** to advance through to J.Cd (Coin/Debit Option) for Vend price ensure **J.Cd** selected for Coin /for Eftpos however if unit is FREE Vend then this should be set to J._d with 6.00 Set

*Pressing **DELICATES** three times will scroll through these options.*

5. Lock service hatch and remove key, Machine should display price you have selected for wash cycle.

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MDE/MDG20 PD - How to Enable Cycle/Money Counter Option

1. Lift service hatch with service key provided with machine.



2. The screen should display 6.xx, use **NORMAL** to advance to **9.00 Cycle Counter Option**,
(Once selected cannot be deselected without replacing UI board)
Press **DELICATES** 3 times to select on = **9.0C**
3. Press **NORMAL** to advance to next code **1.00 Money Counter Option**
(Once selected cannot be deselected without replacing UI board.)
Press **DELICATES** 3 times to select on = **1.0C**
4. Lock service hatch and remove key, machine should display price you have selected for wash cycle.

Once these are enabled when the Service Hatch is opened it will scroll through 1.xx/2.xx if Cycle Count Enabled and 3.xx/4.xxx/5.xx if Money Count is enabled. To skip pass this to 6.xx Programming press **NORMAL**

<u>CYCLE COUNTER</u>	<u>MONEY COUNTER</u>
When Cycle Counter enabled	When Money Counter enabled
1 . xx = HUNDREDS	3.xx = HUNDREDS
2. xxx = ONES	4.xxx = ONES
	5.xx = CENTS
1 02 / 2 25 = 225 Cycles	3 01 = \$100.00
1 01 / 2 05 = 105 Cycles	4 60 = \$60.00
1 00 / 2 10 = 010 Cycles	5 50 = \$00.50
	= TOTAL \$160.50

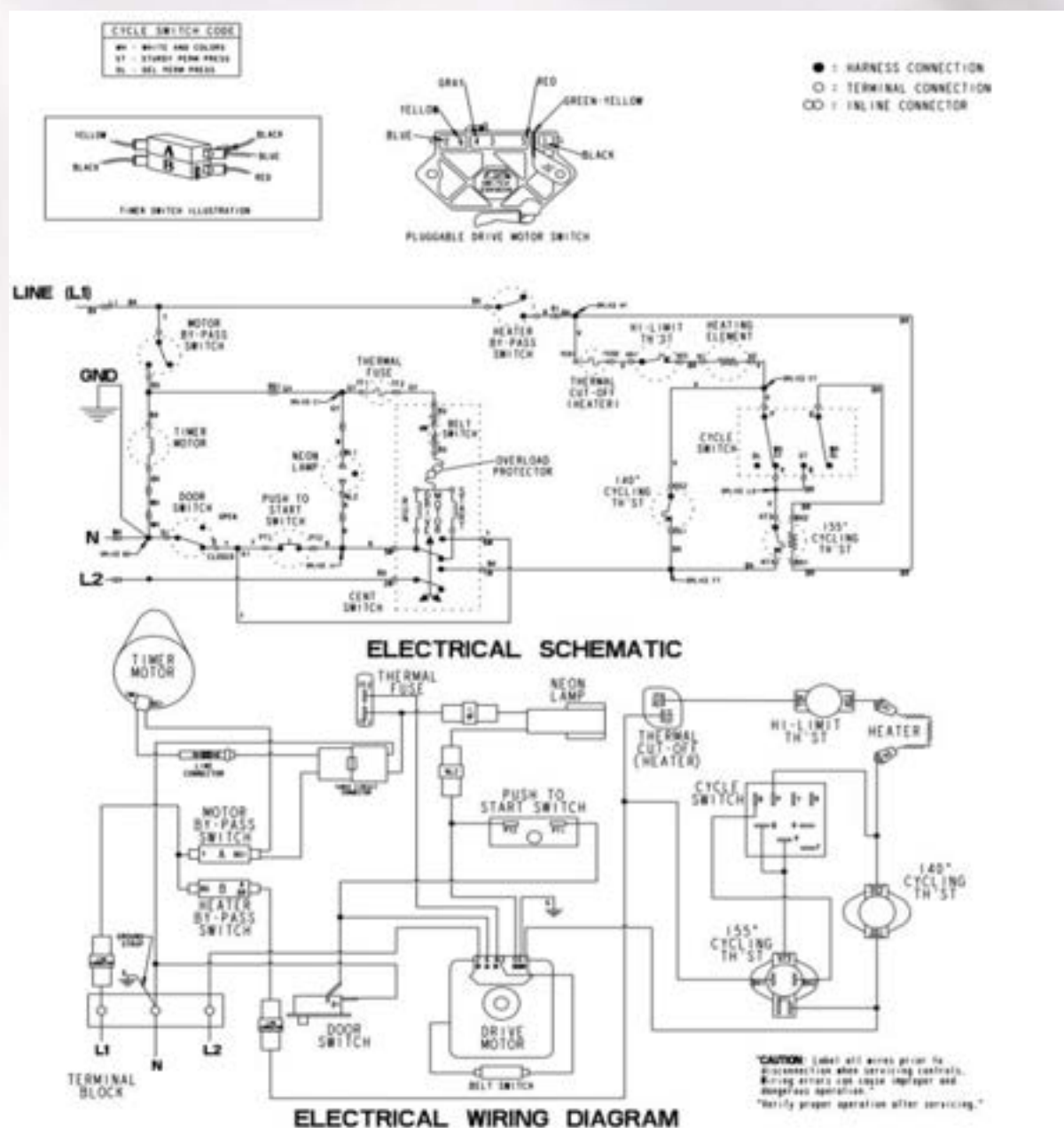
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MDE20E wiring Diagram



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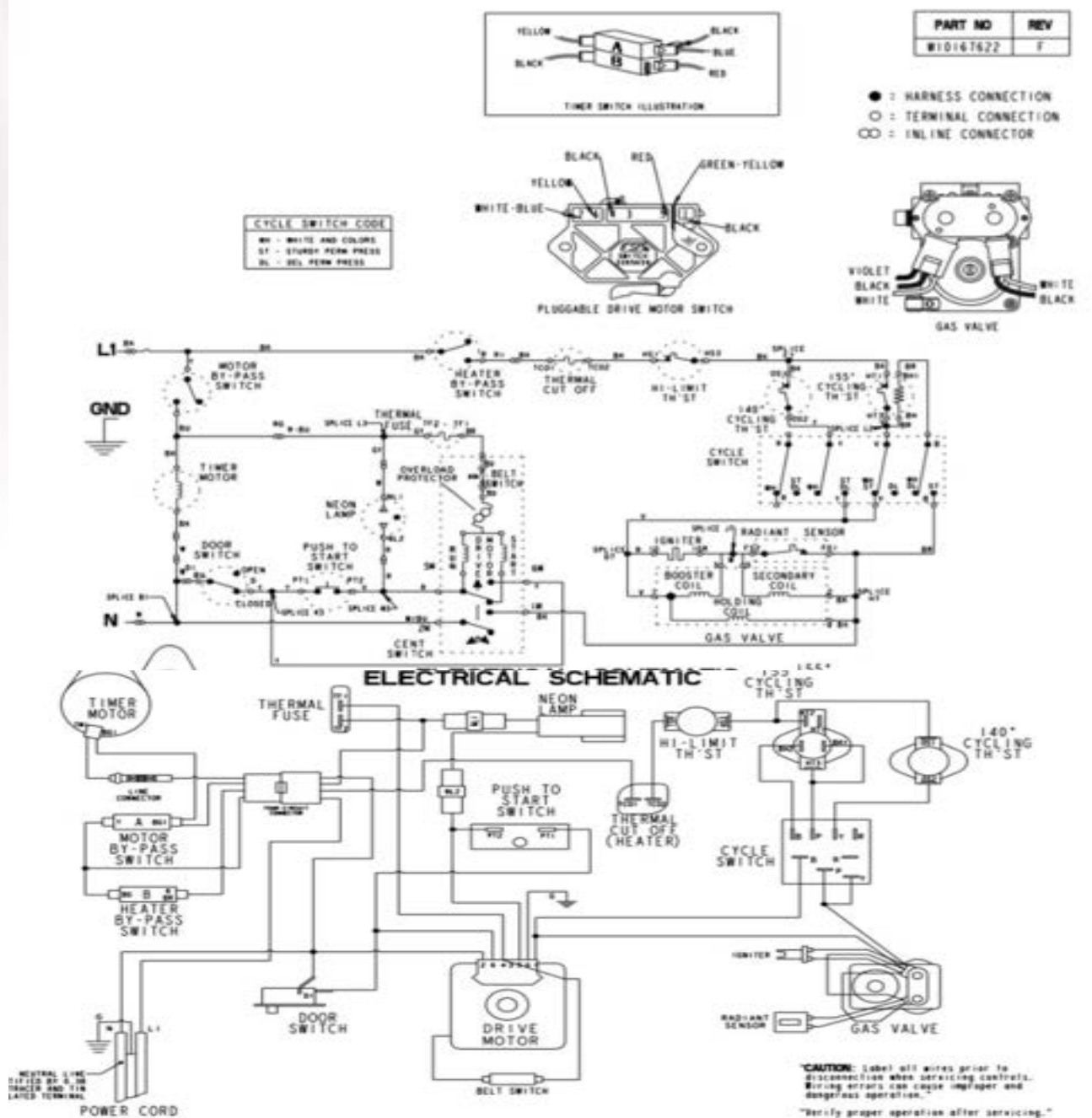
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MDG20MN wiring Diagram.



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MDE20 CS/MN- PD/BGWO

Model	Description	Part Number
MDE20PD	User Interface board	W11113918
MDE20PD	Control Board	W11315680
MDE20CS	Timer	WPW10135270
MDE20CS/MN	Cycle selector switch	W10327100
MDE20CS	Knob Cycle selector	WPW10133507
MDE20MN	Timer	W11101054
MDE20MN	Relay	WP1188043
MDE ALL	Dryer Door catch	279570
MDE20 ALL	Door switch	WPW10237959
MDE20 ALL	Motor	W11215537
MDE20 ALL	Belt switch	W11236387
MDE20 ALL	Drive Belt	WPW10131172
MDE20 ALL	Idler Assembly	WPW10344192
MDE20 ALL	Drum support Roller (4 req per dryer)	WPW10314173
MDE20 ALL	Drum roller shaft right hand thread front (2 req per dryer)	W10359271
MDE20 ALL	Drum roller shaft left hand thread rear. (2 req per dryer)	WPW10359272
MDE20 ALL	Drum seal (doesn't include adhesive)	W10802680
MDE20 ALL	Lint screen	W10120998
MDE20 ALL	Blower wheel	WPW10349492
MDE20 ALL	Thermal fuse (non-resettable blower assembly)	WPW10167627
MDE20 ALL	Low Temp thermostat (blower assembly)	WPW10206200
MDE20 ALL	High Temp thermostat (blower assembly)	WPW10194158- BGWO W10206196 - AGWO
MDE20 ALL	High Limit thermostat & thermal cut off kit (heater element)	W10154212
MDE20 ALL	Heater Element	WP3387749

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MDG20 CS/MN- PDA/BGW0 - Gas

Model	Description	Part Number
MDG20 All	Thermal fuse (non-resettable blower assembly)	WP3392519
MDG20 All	Thermistor (Blower housing)	WP8577274
MDG20 All	Thermal cut off	WPW10181549
MDG20 All	High Limit thermostat	W10853395
MDG20 All	Radiant sensor	WP338906
MDG20 All	Gas Coils	279834

****Parts are covered for 5 years from date of purchase for all manufacturing defects****

All parts above readily available from spares@dependablelaundry.com.au. For warranty advise model & serial number, DOP with invoice. Freight charges will apply if the machine is over 12 months, SHIPPED OVERNIGHT to your location.



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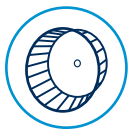
TAB 6

MDx28

9KG FRONT LOAD DRYERS



MDE28 AND MDG28



TURBOVENT® SYSTEM

- A high-speed blower wheel optimizes performance in long vents
- High airflow helps reduce drying times for a wide variety of loads
- Helps to increase efficiency and number of cycles over the life of the machine



MICROPROCESSOR CONTROLS

- Easy-to-read diagnostics assist with quick identification of an issue helping to get the machine back into service
- Flexible pricing options for owners to maximize profitability
- End users have option to select ideal cycle for individual drying needs with simple one touch cycle selection
- Easy-to-read Time Remaining Digital Display informs users of cycle times to help reduce bottlenecks



LARGE CAPACITY

- 9kg capacity dryer helps allow for large loads to be dried efficiently and effectively
- Delivers an optimal drying experience for users and helps maximise productivity



BUILT TO LAST

- Porcelain enamel top — a durable finish that stands up to the demands of high-traffic
- Front-panel accessibility — provides fast entry to internal components for streamlined self-service
- Extra-large reversible door — provides users unhindered access



CARD READER COMPATIBLE

- Order your new dryer as Card Only to prevent vandalism and increase safety on site.
- Never have to worry about where the gold coins from your laundry end up with real time reporting and payment deposited straight into your nominated bank account.



COIN DROP OR CARD READER READY

MDE28PD (pictured)
Also available in gas



NON-COIN

MDE28PN (pictured)
Also available in gas

Single-Load Front-Load Matching Dryer Models		
Payment Configuration	Electric	Gas
Non-Coin	MDE28PN	MDG28PN
Coin Drop or Card Reader Ready	MDE28PD	MDG28PD



See maytagcommerciallaundry.com for warranty details.

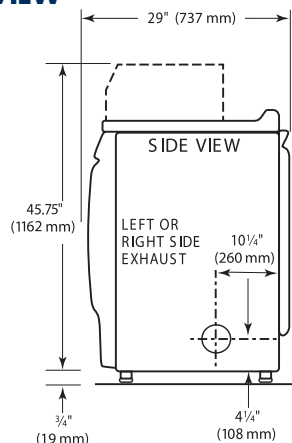
For more information visit maytagcommerciallaundry.com

9KG FRONT LOAD DRYERS

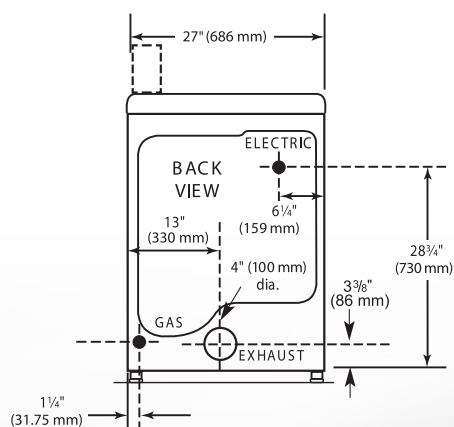


MDE28 AND MDG28

SIDE VIEW



BACK VIEW



Maximum Exhaust Duct Length Per Number of Turns

Rigid Metal Vent

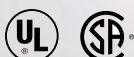
Box Hood and
Louvered Style

Angled Hood Style

No. of
90° Turns



0	39.6 m	39.3 m
1	38.1 m	36.3 m
2	35.1 m	33.2 m
3	32.3 m	30.5 m
4	29.9 m	28.0 m



*Includes height of metercase.

**Use 4" (100mm) diameter rigid aluminum or galvanized steel duct. Never use plastic, non-metal or combustible duct.

See specific instructions for proper installation. Because of continuous product improvement, Maytag reserves the right to change specifications without notice.

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MODELS COIN DROP / CARD READER NON-COIN	MDE28PD MDE28PN	MDG28PD MDG28PN
Fuel Type	Electric	Gas
CAPACITY		
Cylinder Volume — liters	190	190
Cylinder Diameter — mm	667	667
Cylinder Depth — mm	518	518
DIMENSIONS		
Width — mm	686	686
Depth — mm	737	737
Height — mm (PD unit with meter case)	1,162*	1,162*
Height — mm (PN non coin unit)	997	997
Door Opening — mm	464	464
Exhaust Duct Diameter — in. (mm)	4 (100)**	4 (100)**
CRATED DIMENSIONS		
Crated Width — mm	738.12	738.12
Crated Depth — mm	775	775
Crated Height — mm	1,159	1,159
APPROXIMATE WEIGHT		
Uncrated — kg	67	68
Crated — kg	73	75
ELECTRICAL REQUIREMENTS		
Voltage	220-240V - 50Hz	220-240V - 50Hz
Breaker/Fuse — amps	25	10
Airflow — CFM (CMM)	215 (6.1)	230 (6.5)
Electric Heating Element (watts)	4,600	N/A



MDE/MDG28 PD – Diagnostic Mode & Help Mode

Diagnostic Mode is used for the machine to go through the cycle to see if machine shows a fault error code for ease of repair, this can also be used to test machine after repair to ensure working.

Diagnostic Mode

1. Lift the service hatch with service key provided with machine.



2. Press and hold the **STOP/PAUSE** for 1 second until whilst on 6.xx
3. This will clear error codes and by pressing **DELICATES** whilst everything is flashing this will enter a Diagnostic Cycle
4. Diagnostic Cycle consists of 7min Heat & 1min Cooldown at the end if a fault is found an error code will be presented.

DRYER DISPLAY	EXPLANATION
F-01	Dryer motor control circuit error (cycles and price display disabled until diagnostic code is manually cleared). The control doesn't know if the motor relay is bad (stuck on), the motor relay drive circuit is bad (shorted), causing the motor relay to stay on, or the motor relay feedback circuit is bad.
F-22	Exhaust thermistor open, temperature drops below 131°F (>50 kΩ) for 1 minute in Run mode, or immediately in Factory Diagnostic Mode.
F-23	Exhaust thermistor shorted, temperature above 250°F (<500Ω) for 1 minute in Run mode, or immediately in Factory Diagnostic Mode.
F-71	CCU is not receiving communications from UI (cycles and price display disabled while error persists or is manually cleared).
d5	Blocked coin 1 or coin drop UI control circuit failure (coin recognition and customer display disabled while blockage persists).
d13	Blocked coin 2 or coin drop UI control circuit failure (coin recognition and customer display disabled while blockage persists).
d16	Not receiving communications from installed debit card reader in Enhanced (Generation 2) Debit mode.
d9	Voltage detected below 90 VAC for 8 seconds.
F-70	UI is not receiving communications from CCU (cycles and price display disabled while error persists or is manually cleared).
F-73	UI Microprocessor is not able to read or verify EEPROM (cycles and price display disabled until diagnostic code is manually cleared).
F-74	UI EEPROM memory is a CRC failure (cycles and price display disabled until diagnostic code is manually cleared).

Help Mode

1. Lift the service hatch with service key provided with machine.



2. Press **DELICATES** until Display shows 2.xx
3. Press **WHITES & COLOURS** then press **DELICATES** to scroll through 1./2./3./4. Error Codes

* low voltage present (below about 90 VAC)
circle above digit door closed
& 60°C (140°F) thermostat closed
OR motor sensed running
AIR heater/gas valve relay on
FLUFF motor relay on

Help Mode will show Software version but also show other symbols and elements mapped to reflect the state of various inputs and outputs as per above table.

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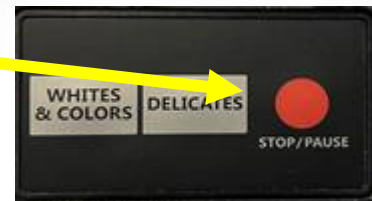
MDE/G 28 PD CUSTOMER SOFT RESET

This procedure will work on all MDE / MDG 28 PD Type Dryers

1. Remove the service hatch with your service key.
(By removing service hatch puts machine into service mode)



2. Press and hold the **"STOP & PAUSE"** button until screen flashes.



3. Release the **"STOP & PAUSE"** button and replace the service hatch.

***** The Dryer is now reset *****

If Fault code persists there is a 15 second delay before you can retry.

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MDE/MDG28 PN – F Fault Clearing with AA1 Connector Removal

The MDE28/MDG28PN requires the AA1 service connector on the user interface board to be removed to clear F faults if a Reset Switch has not been fitted. This requires removal of the interface board.

1. Isolate Power
2. Remove T-20 security screws on the sides of the control panel plate & name plate.



3. Pull Facia Panel and Control Panel away from front of dryer.



4. Remove the two 1/4" hex head screws in the upper front corners behind the control cover panel.



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5. Lift front edge of the dryer top to open it , when open all the way the top will rest on two retaining supports at the rear of the dryer
6. Lift the control panel up to release 2 tabs from the top edge of the dryer and lay it forward to access the User interface board. The board can lean on the tabs.



7. Remove the **AA1** connector.



8. Turn power back on, the interface board can lean on the tabs.
9. You should see 6 00 on the screen , if not press **DELICATES** until 6 00 is shown then hold **STOP & PAUSE** until the screen should flash.
10. Machine is reset turn power off again.



11. Then refit the **AA1** connector and reassemble machine for use as it should be reset.

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MDE/MDG28 PD - How to Enable Cycle/Money Counter Option

1. Lift service hatch with service key provided with machine.



2. The screen should display 6.xx, use **DELICATES** to advance to **9.00 Cycle Counter Option**.
(Once selected cannot be deselected without replacing UI board)
Press **STOP/PAUSE** 3 times to select on = **9.0C**
3. Press **DELICATES** to advance to next code **1.00 Money Counter Option**
(Once selected cannot be deselected without replacing UI board.)
Press **STOP/PAUSE** 3 times to select on = **1.0C**
4. Lock service hatch and remove key, machine should display price you have selected for wash cycle.

Once these are enabled when the Service Hatch is opened it will scroll through 1.xx/2.xx if Cycle Count Enabled and 3.xx/4.xxx/5.xx if Money Count is enabled. To skip pass this to 6.xx Programming press **DELICATES**

<u>CYCLE COUNTER</u>	<u>MONEY COUNTER</u>
When Cycle Counter enabled	When Money Counter enabled
1 . xx = HUNDREDS	3.xx = HUNDREDS
2. xxx = ONES	4.xxx = ONES
	5.xx = CENTS
1 02 / 2 25 = 225 Cycles	3 01 = \$100.00
1 01 / 2 05 = 105 Cycles	4 60 = \$60.00
1 00 / 2 10 = 010 Cycles	5 50 = \$00.50
	= TOTAL \$160.50

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MDE/MDG28 PD – How to Change the Price on Coin Drop/Card Reader

To change the Price on Coin Drop/Card Reader follow below steps:

1. Lift service hatch with service key provided with machine.



2. The screen display should show 6.xx, use the **WHITES & COLOURS** to Adjust values.

6.00	Free Vend
6.01	\$1.00
6.02	\$2.00
6.03	\$3.00
6.04	\$4.00
6.05	\$5.00
6.06	\$6.00

3. If your machine is set on 6.00 free vend you need to select your coin values. Select **DELICATES** to advance to b.05 (Value of coin 1) select 20 so appears b.20 , then select **DELICATES** to C.20 (Value of coin 2) select 40 so appears C.40
If machine is set up with vend price already then this will already be set.
4. Select **DELICATES** to advance through to J.Cd (Coin/Debit Option) for Vend price ensure **J.Cd** selected for Coin / **J._d** for Eftpos however if unit is FREE Vend then this should be set to J._d with 6.00 Set

*Pressing **STOP/PAUSE** three times will scroll through these options.*

5. Lock service hatch and remove key, Machine should display price you have selected for wash cycle.

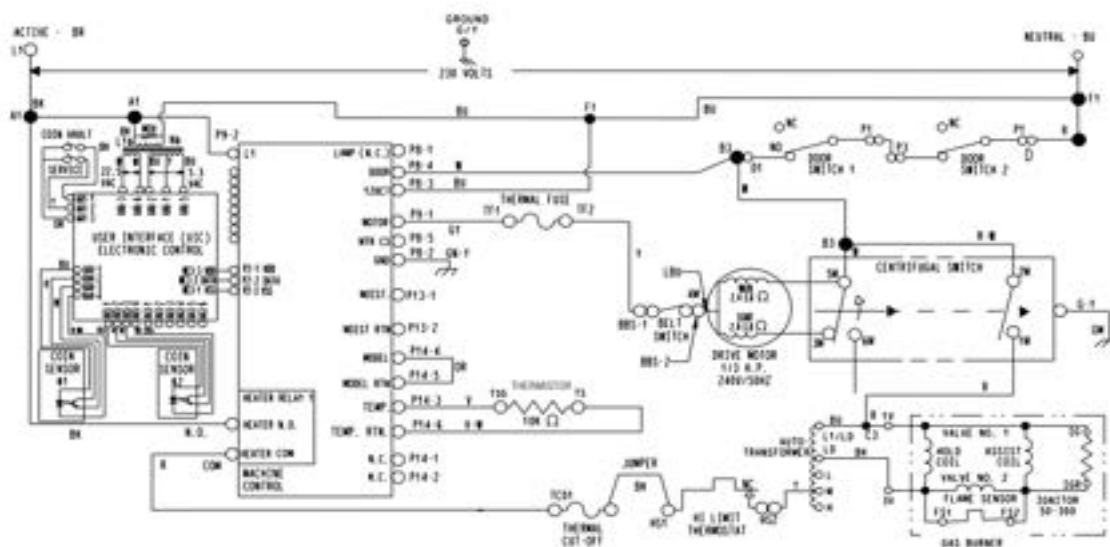
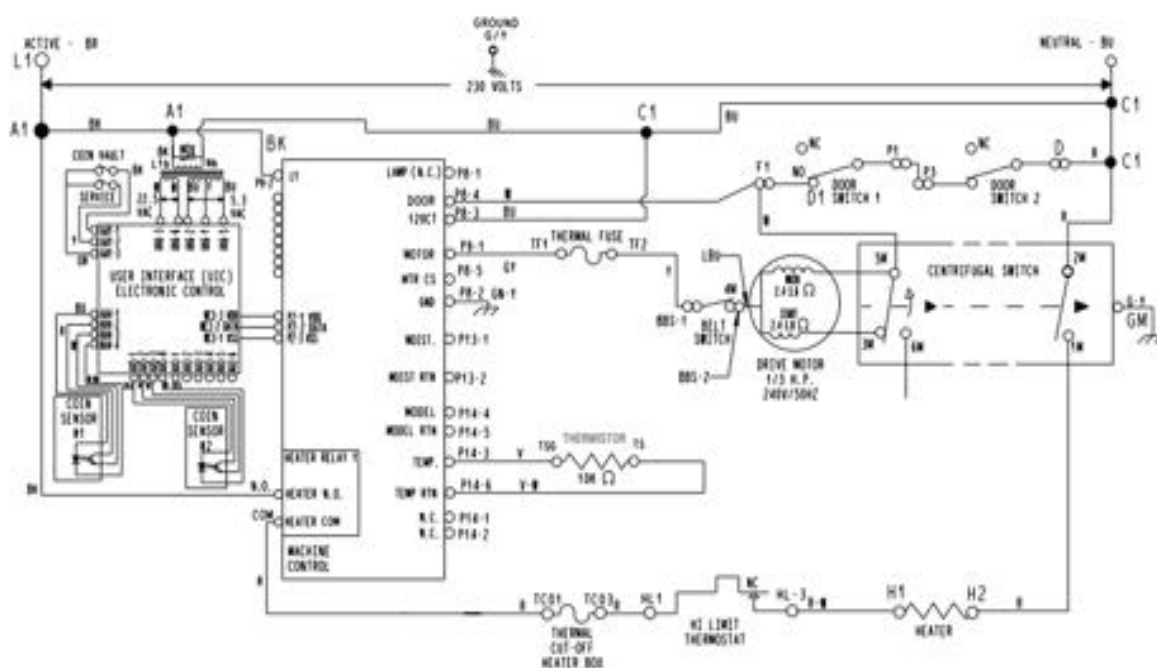
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COMMERCIAL

MDE28PN/PD
Electric



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MDE/G28 PN/PD Parts- GWO

MDE28/PD	User Interface	W11259007
MDE28PN	User Interface	W11237159
MDE28PN/PD	Control Board	W11315680
MDE28PN/PD	Switch membrane touch pad	W11678131
MDE28PN/PD	Door catch and strike	279570
MDE28PN/PD	Hinge	WPW10304672
MDE28PN/PD	Idler assembly	WPW10344192
MDE28PN/PD	Drive Belt	WPW10131172
MDE28PN/PD	Transformer	W10751202
MDE28PN/PD	Motor	W11215537
MDE28PN/PD	Speed Increaser	W11233883
MDE28PN/PD	Lint Screen	W10120998
MDE28PN/PD	Drum Roller support	WPW10314173
MDE28PN/PD	Blower wheel	
MDE28PN/PD	Thermostat & thermal cut off heater assembly	W10154212
MDE28PN/PD	Heater element	WP3387749
MDE28PN/PD	Thermal cut off blower wheel	WPW10167627
MDE28PN/PD	Thermistor Blower wheel	WP8577274

Gas

MDG28 PN/PD	Gas valve complete	WP8281918
MDG28 PN/PD	Ignitor	279311
MDG28 PN/PD	Thermal fuse blower wheel	WP3392519
MDG28 PN/PD	Thermal cut off gas	WPW10181549
MDG28 PN/PD	Thermostat gas	W10853395
MDG28 PN/PD	Radiant sensor	WP338906

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TAB 7

Accessories

FLUING & DUCTING ACCESSORIES FOR MAYTAG COMMERCIAL DRYERS



100mm THROUGH WALL KIT (STAINLESS STEEL)

Part Number: DVS1SS



GRAVITY VENT - MARINE GRADE STAINLESS STEEL 100mm

Part Number: GVSS100



RIGID GALV DUCTING 100mm x 1200mm

Part Number: PPS04430



DRAFT BLOCKER 100mm

Part Number: DBV100



ADJUSTABLE ELBOW 0-90 DEGREES - 100mm

Part Number: ELB049030



INTERNAL SIDE FLU KIT - TO CHANGE DRYER VENTING

Part Number: W10470674



INDOOR LINT FILTER TRAP*

Part Number: LTF



FLEXIBLE DUCTING* 100mm x 2.4m

Part Number: AO48MX/9



DRYER VENT CLEANING BRUSH

Part Number: DVBRUSH8

*Not recommend for commercial use. Can only be used on Electric Dryers. Additional specialised fluing parts can be organised through our spare parts department.



Dryer Vent Cleaning Brush – DVBRUSH8

Technical Product Specification

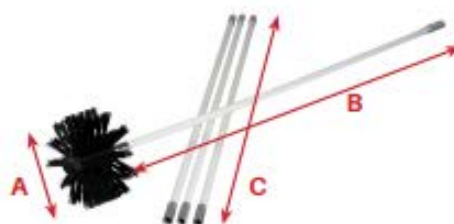
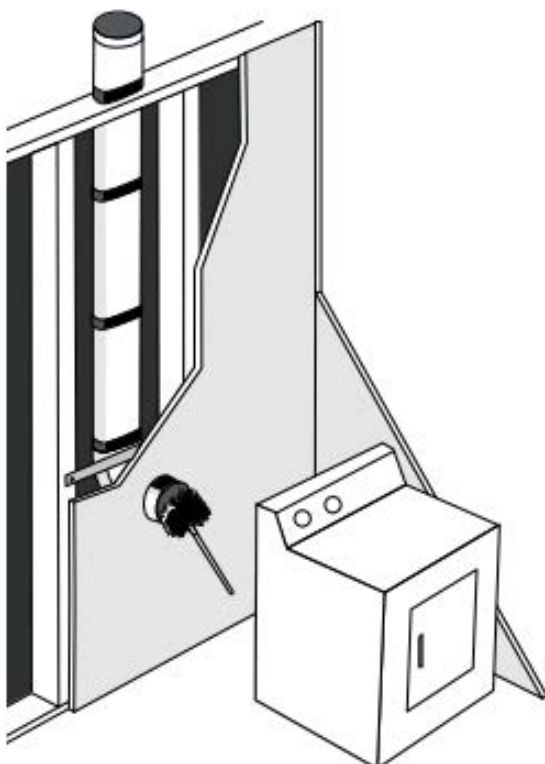
Dryer Duct Cleaning Brush Kit: DVBRUSH8

Designed to clean ducting, the brush removes dangerous lint build-up, reducing drying time and extending dryer life. The dryer brush has three flexible detachable rods that can bend around ducting for efficient cleaning.

Extra features include:

- › Includes 2.4M flexible rods (4x 60cm rods)
- › A drill can be attached for more effective cleaning

Model	Description	Colour
DVBRUSH8	Dryer Vent Cleaning Brush - 2.4M	White/ Black



Dimensions

Model	A(mm)	B(mm)	C(mm)
DVBRUSH8	100	600	600

Application View

1. Move the Dryer to Access Pipe.
 2. Insert the Brush into 100mm opening.
 3. Rotate the Brush clockwise and push slowly into the duct.
- *Do not rotate counter clockwise.**

Part No.	Carton Qty
DVBRUSH8	6

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Vend Access Card Readers



The advertisement features a central image of the VA TOUCH card reader. The screen displays '\$6.00', a hand icon with signal waves, 'Present Card', and logos for VISA, Mastercard, Apple Pay, Google Pay, and Samsung Pay. The Vend Access logo is at the bottom of the screen.

VA TOUCH

- Capacitive Touch Screen
- 3.5" Display
- 4G LTE
- LAN
- Dual SIM Ports
- Bluetooth
- USB
- Contactless
- Insert
- Swipe






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Eftpos Connection Options

	Pros	Cons	Additional Equipment
4G Sim Card 	<ul style="list-style-type: none"> - Each Unit is setup on its own 4G Sim meaning they all run independently - If 1 x Unit having issue rest may still work 	<ul style="list-style-type: none"> - If 4G Outage All Units go Offline - if installed in room/area with Poor Signal Strength this will have issues - Cost for multiple units will be higher than other options as each unit incurs Sim Card Service Cost 	N/A
Wi-Fi Access Point 4 Port 	<ul style="list-style-type: none"> - No Sim Card Service Cost - Cheaper Alternative Solution to 4G Sim/4G Modem - Connects to customers' existing Wi-Fi Network - If customer affected by 3G Outage Telstra / Voda this is a option to continue to use existing Card Readers 	<ul style="list-style-type: none"> - If customer has poor Wi-Fi Network not ideal as this AP needs to connect to their existing Wi-Fi - If Wi-Fi/Customer Network Issue will affect all units - If customer suffers from regular NBN Outages not ideal 	<p>4 Port / 8 Port Splitter may be required depending on number of units</p>  <p>4 Port Splitter allows 3 x Additional Units to be connected.</p>
4G External Modem 2 Port or 4 Port 	<ul style="list-style-type: none"> - 1 x Sim Card Service Cost across multiple devices - If customer affected by 3G Outage Telstra / Voda this is a option to continue to use existing Card Readers 	<ul style="list-style-type: none"> - If 4G Outage All Units go Offline - if installed in room/area with Poor Signal Strength this will have issues 	 <p>8 Port Splitter allows 7 x Additional Units to be connected.</p>

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	Pros	Cons	Additional Equipment
LAN 	<ul style="list-style-type: none">- Cheapest Option if already have Data Point being Units- Connect to Customers NBN- If customer affected by 3G Outage Telstra / Voda this is a option to continue to use existing Card Readers	<ul style="list-style-type: none">- If customer suffers from regular NBN Outages not idea	<p><i>If there is not enough Data Points for each unit then customer can connect 4 Port / 8 Port Splitter to each Data Point to extend</i></p>  <p>4 Port Splitter allows 3 x Additional Units to be connected.</p>  <p>8 Port Splitter allows 7 x Additional Units to be connected.</p>

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VendAccess Eftpos Versions



White C3K 3G Telebox



Black 3G Telebox

** Only 1 Antenna Connection = 3G*



Black 3G/4G Telebox

** 2 Antenna Connection = 3G/4G*



Castle 4G Reader + Modem



3G Antenna



4G Antenna

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VendAccess Eftpos Kits

Part Number	Description	Picture
VA-CBL-OTIC3K  	OTI main multi loom cable for White C3K Modem	
VA-CBL-OTITBOX  	OTI main multi loom cable for BLACK Telebox Modem (3G/4G)	
VA-CBL-PULSEMTG-003  	PULSE Cable for Maytag machine SINGLE Machines (OTI Black Telebox) (3G/4G)	
VA-CBL-PULSEMTG-004  	PULSE Cable for Maytag machine STACK Machines (OTI Black Telebox) (3G/4G)	

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Part Number	Description	Picture
VA-CBL-CPULSMT-001 	Castles UPT1000F Pulse + Power Cable looms for Maytag SINGLE Machines <i>*Power Cable has 6 Pin Plug for Single</i> <i>*Data Cable is Same for Single/Stack</i>	
VA-CBL-CPULSMT-002 	Castles UPT1000F Pulse + Power Cable looms for Maytag STACK Machines <i>*Power Cable has 8 Pin Plug for Stack</i> <i>*Data Cable is Same for Single/Stack</i>	
VA-SMA-ANT-4G  	Magnetic 4G Antenna (OTI / CASTLES)	

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Part Number	Description	Picture
VA-CBL-CPULSSQ-001 	Castles UPT1000F Pulse + Power Cable looms for Speed Queen Newer Gen Machines (8 Pin Power Plug) <i>* Single & Stack Units</i>	
VA-CBL-CPULSSQ-002 	Castles UPT1000F Pulse + Power Cable looms for Speed Queen Older Gen Machines (4 Pin Power Plug) <i>* Single & Stack Units</i>	

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Maytag Commercial Install Summary

MLE22PN/PD ELECTRIC Stack Washer/Dryer

- No power cord supplied - requires hardwiring into a dedicated 1 phase 25AMP circuit by your electrician.
- ¾" hot and cold water taps within 1m
- Standpipe or laundry drain minimal 77cm high
- Minimum 110mm clearance behind unit¹
- Requires fluing to external air using single skin 100mm rigid galv²

Before operation:

- Installation manual to be read
- Shipping bolts to be removed
- Unit to be levelled
- Service key is bubble wrapped in machine drum – needs to be stored & kept



MLG22PN/PD GAS Stack Washer/Dryer

- Standard 10AMP GPO within 1.0m to plug into
- ¾" hot and cold water taps within 1m
- Standpipe or laundry drain minimal 77cm high
- Minimum 110mm clearance behind unit¹
- Requires fluing to external air using single skin 100mm rigid galv²
- Licensed gas plumber to connect to gas and fluing

*Natural gas as standard - LPG Conversion Kits available.

Before operation:

- Installation manual to be read
- Shipping bolts to be removed
- Power cord to be pulled through
- Unit to be levelled
- Service key is bubble wrapped in machine drum – needs to be stored & kept.

MLE27PN/PD ELECTRIC Stack Dryer/Dryer

- No power cord supplied - requires hardwiring into a dedicated 1 phase 50AMP circuit by your electrician.
- Minimum 110mm clearance behind unit¹
- Requires 2 x fluing to external air using single skin 100mm rigid galv²

Before operation:

- Installation manual to be read
- Unit to be levelled
- Service key is bubble wrapped in machine drum – needs to be stored & kept

MLG27PN/PD GAS Stack Dryer/Dryer

- Standard 10AMP GPO within 1.0m to plug into
- Minimum 110mm clearance behind unit¹
- Requires 2 x fluing to external air using single skin 100mm rigid galv²
- Licensed gas plumber to connect to gas and fluing

*Natural gas as standard - LPG Conversion Kits available.

Before operation:

- Installation manual to be read
- Unit to be levelled
- Service key is bubble wrapped in machine drum – needs to be stored & kept





Maytag Commercial Install Summary



MAT20 Top Load Washer

- Standard 10AMP GPO within 1.0m to plug into
- ¾" hot and cold water taps within 1m
- Standpipe or laundry drain minimum 77cm high

Before operation:

- Installation manual to be read
- Unit to be levelled



MHN33 Front Load Washer

- Standard 10AMP GPO within 1.0m to plug into
- ¾" hot and cold water taps within 1m
- Standpipe or laundry drain minimum 77cm high – if supplied on plinth, laundry drain to be 102cm high

Before operation:

- Installation manual to be read
- Shipping bolts to be removed
- Power cord to be pulled through
- Unit to be levelled



MDE20 or MDE28 ELECTRIC Dryer.

- No power cord supplied - requires hardwiring into a dedicated 1 phase 25AMP circuit by your electrician.
- Requires fluing to external air using single skin 100mm rigid galv²

*Natural gas as standard - LPG Conversion Kits available.

Before operation:

- Installation manual to be read
- Unit to be levelled



MDG20 or MDG28 GAS Dryer.

- Standard 10AMP GPO within 1.0m to plug into
- Licensed gas plumber required to connect to gas and fluing on site
- Requires fluing to external air using single skin 100mm rigid galv²

*Natural gas as standard - LPG Conversion Kits available.

Before operation:

- Installation manual to be read
- Unit to be levelled

Install summary is a brief guide only and does not cover all requirements.

Full installation manual is supplied with each machine as hard copy and is also available via email on request.

1 – Clearances are minimum for dryer free air requirements. Additional clearances may be required depending on fluing and supply requirements on site.

2 - All dryers must be flued to external air with rigid galvanised ducting. Dryers in outdoor areas require fluing to direct heat and lint away from unit. Multiple /group dryer ducting requirements as per installation manual.

Ducting available from Dependable Laundry Solutions.