

SERVICE MANUAL

[Model Name]

EHST17D-VM2D
 ERST17D-VM2D
 EHST20D-MED
 EHST20D-VM2D
 EHST20D-VM6D
 EHST20D-YM9D
 EHST20D-YM9ED
 EHST20D-TM9D
 ERST20D-VM2D
 EHST30D-MED
 EHST30D-VM6ED
 EHST30D-YM9ED
 EHST30D-TM9ED
 ERST30D-VM2ED
 EHST20C-MED
 EHST20C-VM2D
 EHST20C-VM6D

EHST20C-YM9D
 EHST20C-YM9ED
 EHST20C-TM9D
 ERST20C-VM2D
 EHST30C-MED
 EHST30C-VM6ED
 EHST30C-YM9ED
 EHST30C-TM9ED
 ERST30C-VM2ED
 EHPT17X-VM2D
 EHPT17X-VM6D
 EHPT17X-YM9D
 ERPT17X-VM2D
 EHPT20X-MED
 EHPT20X-VM6D
 EHPT20X-YM9D
 EHPT20X-YM9ED

EHPT20X-TM9D
 EHPT20X-MHEDW
 ERPT20X-MD
 ERPT20X-VM2D
 ERPT20X-VM6D
 EHPT30X-MED
 EHPT30X-YM9ED
 ERPT30X-VM2ED

Revision:

- Added packaged models
- Some descriptions have been modified in REVISED EDITION-A.

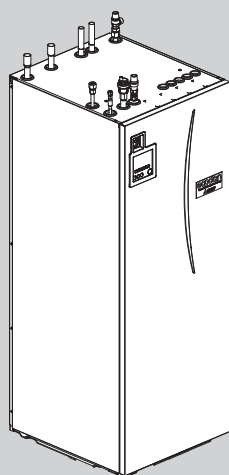
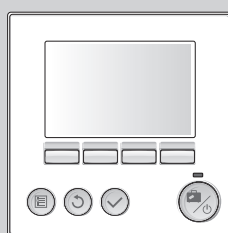
OCH714 is void.

Note:

- This manual describes service data of cylinder unit only.

[Service Ref.]

Refer to page 2.


CYLINDER UNIT

**MAIN REMOTE
CONTROLLER**

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PARTS CATALOG (OCB714)

OUTDOOR UNIT'S SERVICE MANUAL

Service Ref.		Service Manual No.
Split model	SUZ-SWM40VA.TH SUZ-SWM60VA.TH SUZ-SWM80VA.TH	OCH718 OCB718
	PUHZ-FRP71VHA2 PUHZ-FRP71VHA2R1	OCH665 OCB665
	PUHZ-SW120VHAR5(-BS).UK PUHZ-SW120YHAR5(-BS).UK	OCH533 OCB533
	PUHZ-SHW140YHAR5(-BS).UK	OCH526 OCB526
	PUHZ-SHW80VAA(-BS).UK PUHZ-SHW80YAA(-BS).UK PUHZ-SHW112VAA(-BS).UK PUHZ-SHW112YAA(-BS).UK PUHZ-SW75VAA(-BS).UK PUHZ-SW75YAA(-BS).UK PUHZ-SW75VAA-SC.UK PUHZ-SW75YAA-SC.UK PUHZ-SW100VAA(-BS).UK PUHZ-SW100YAA(-BS).UK	OCH651 OCB651
	PUMY-P112VKM4R4(-BS).UK PUMY-P125VKM4R4(-BS).UK PUMY-P140VKM4R4(-BS).UK PUMY-P112YKM4R4(-BS).UK PUMY-P125YKM4R4(-BS).UK PUMY-P140YKM4R4(-BS).UK PUMY-P112YKME4R4(-BS).UK PUMY-P125YKME4R4(-BS).UK PUMY-P140YKME4R4(-BS).UK	OCH673 OCB673
Packaged model	PUD-SWM60VAA(-BS).UK PUD-SWM80VAA(-BS).UK PUD-SWM80YAA(-BS).UK PUD-SWM100VAA(-BS).UK PUD-SWM100YAA(-BS).UK PUD-SWM120VAA(-BS).UK PUD-SWM120YAA(-BS).UK PUD-SHWM60VAA(-BS).UK PUD-SHWM80VAA(-BS).UK PUD-SHWM80YAA(-BS).UK PUD-SHWM100VAA(-BS).UK PUD-SHWM100YAA(-BS).UK PUD-SHWM120VAA(-BS).UK PUD-SHWM120YAA(-BS).UK PUD-SHWM140YAA(-BS).UK	OCH694 OCB694
	PUZ-WM50VHA(-BS).UK PUZ-WM60VAA.UK PUZ-WM85VAA.UK PUZ-WM85YAA.UK PUZ-WM112VAA.UK PUZ-WM112YAA.UK	OCH727 OCB727

Please read the following safety precautions carefully.

⚠ WARNING:
Precautions that must be observed to prevent injuries or death.

⚠ CAUTION:
Precautions that must be observed to prevent damage to unit.

- Be sure to perform periodical maintenance.
- Be sure to follow your local regulations.
- Be sure to follow the instructions provided in this manual.

MEANINGS OF SYMBOLS DISPLAYED ON THE UNIT

	WARNING (Risk of fire)	This mark is for R32 refrigerant only. Refrigerant type is written on nameplate of outdoor unit. In case that refrigerant type is R32, this unit uses a flammable refrigerant. If refrigerant leaks and comes in contact with fire or heating part, it will create harmful gas and there is risk of fire.
	Read the OPERATION MANUAL carefully before operation.	
	Service personnel are required to carefully read the OPERATION MANUAL and INSTALLATION MANUAL before operation.	
	Further information is available in the OPERATION MANUAL, INSTALLATION MANUAL, and the like.	

⚠ ⚠ WARNING

Mechanical

- The cylinder unit and outdoor unit must not be installed, disassembled, relocated, altered or repaired by the user. Ask an authorised installer or technician. If the unit is installed improperly or modified after installation by the user, water leakage, electric shock or fire may result.
- The outdoor unit should be securely fixed to a hard level surface capable of bearing its weight.
- The cylinder unit should be positioned on a hard level surface capable of supporting its filled weight to prevent excessive sound or vibration.
- Do not position furniture or electrical appliances below the outdoor unit or cylinder unit.
- The discharge pipework from the emergency devices of the cylinder unit should be installed according to local law.
- Only use accessories and replacement parts authorised by Mitsubishi Electric ask a qualified technician to fit the parts.

Electrical

- All electrical work should be performed by a qualified technician according to local regulations and the instructions given in this manual.
- The units must be powered by a dedicated power supply and the correct voltage and circuit breakers must be used.
- Wiring should be in accordance with national wiring regulations. Connections must be made securely and without tension on the terminals.
- Earth unit correctly.
- Discharge the condenser before the work involving the electric parts.

General

- Keep children and pets away from both the cylinder unit and outdoor units.
- Do not use the hot water produced by the heat pump directly for drinking or cooking. This could cause illness to the user.
- Do not stand on the units.
- Do not touch switches with wet hands.
- Annual maintenance checks on both the cylinder unit and the outdoor unit should be conducted by a qualified person.
- Do not place containers with liquids on top of the cylinder unit. If they leak or spill onto the cylinder unit, damage to the unit and/or fire could occur.
- Do not place any heavy items on top of the cylinder unit.
- When installing, relocating, or servicing the cylinder unit, use only the heat pump's specified refrigerant to charge the refrigerant lines. Do not mix it with any other refrigerant and do not allow air to remain in the lines. If air is mixed with the refrigerant, then it can be the cause of abnormal high pressure in the refrigerant line, and may result in an explosion and other hazards.
- The use of any refrigerant other than that specified for the system will cause mechanical failure or system malfunction or unit breakdown. In the worst case, this could lead to a serious impediment to securing product safety.
- In heating mode, to avoid the heat emitters being damaged by excessively hot water, set the target flow temperature to a minimum of 2°C below the maximum allowable temperature of all the heat emitters. For Zone2, set the target flow temperature to a minimum of 5°C below the maximum allowable flow temperature of all the heat emitters in Zone2 circuit.
- Do not install the unit where combustible gases may leak, be produced, flow, or accumulate. If combustible gas accumulates around the unit, fire or explosion may result.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odour.
- Pipe-work shall be protected from physical damage.
- The installation of pipe-work shall be kept to a minimum.
- Compliance with national gas regulations shall be observed.
- Keep any required ventilation openings clear of obstruction.
- Do not use low temperature solder alloy in case of brazing the refrigerant pipes.