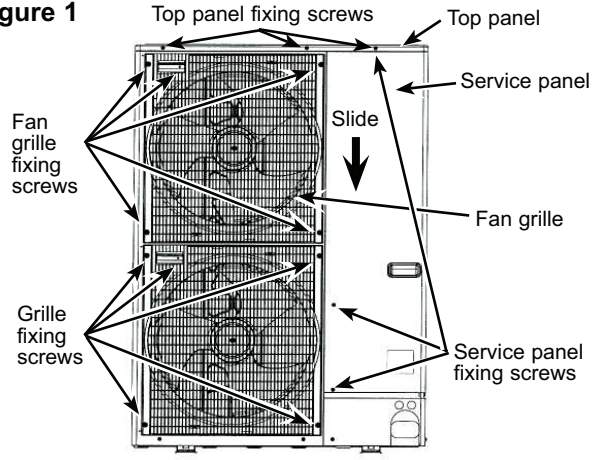
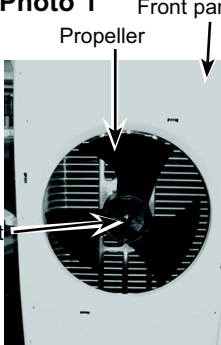
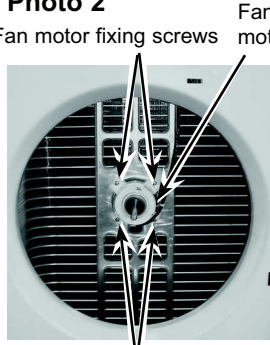
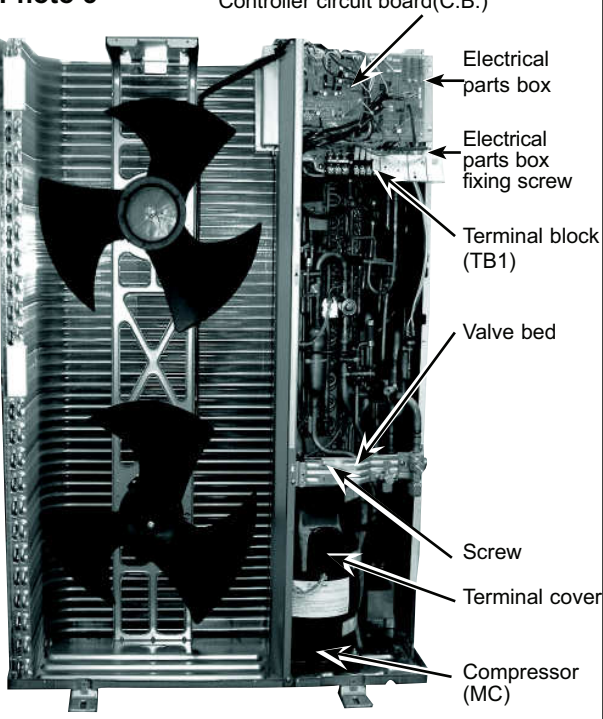
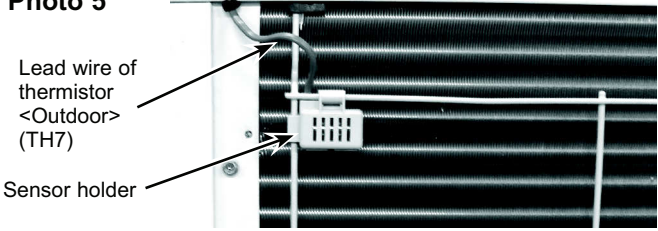
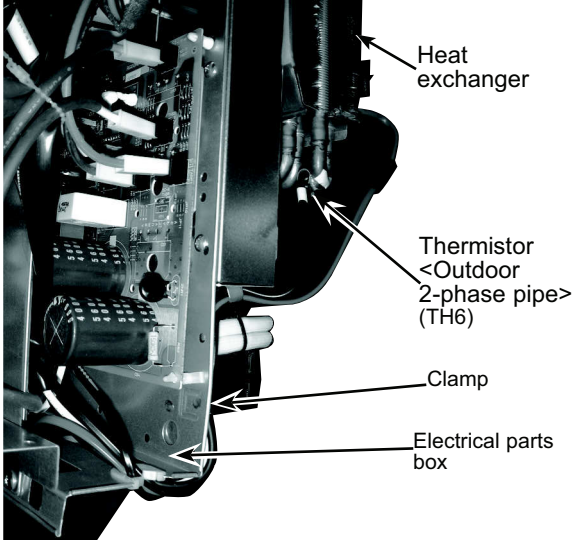
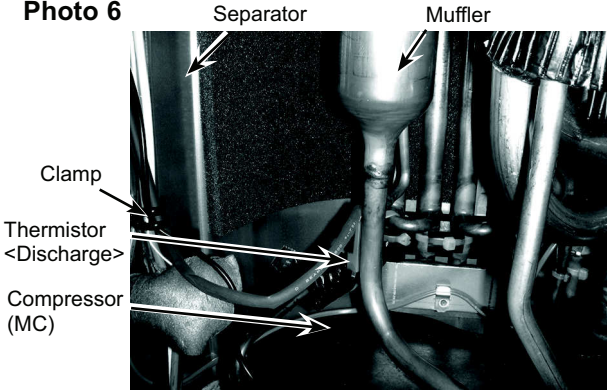
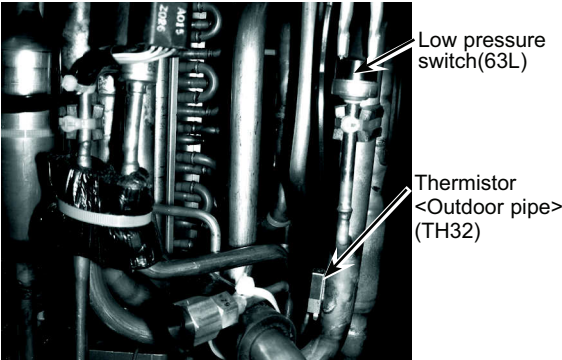
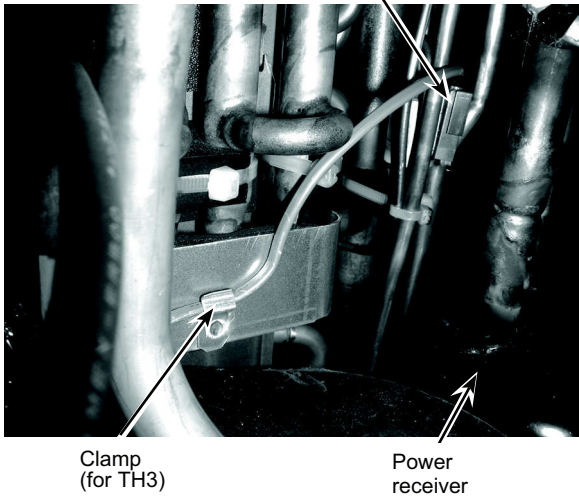
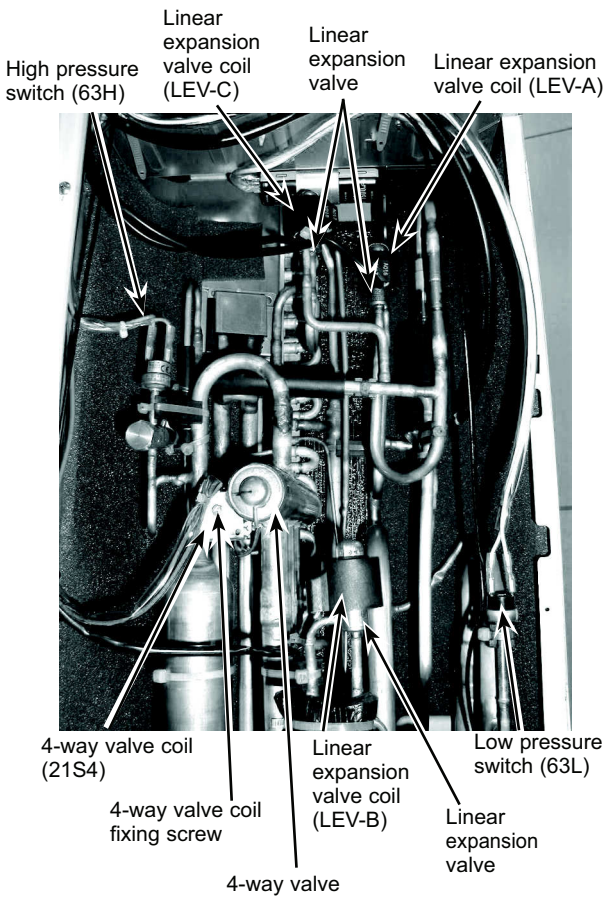
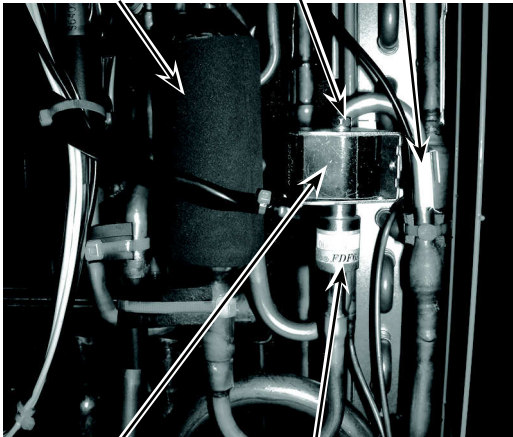
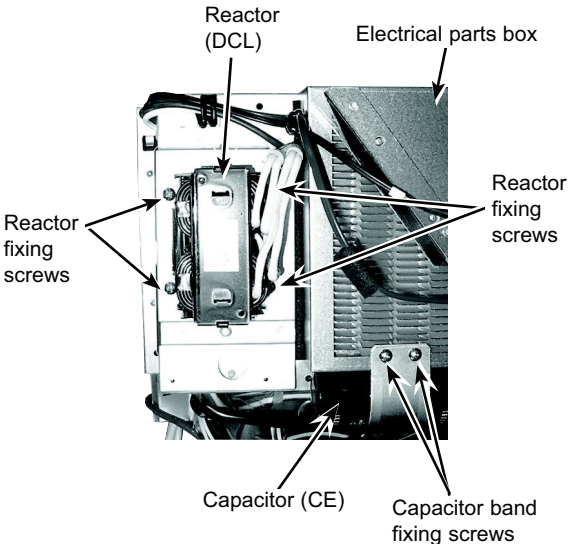


PUZ-HA30NHA PUZ-HA36NHA PUZ-HA30NHA2 PUZ-HA36NHA2

OPERATING PROCEDURE	PHOTOS & ILLUSTRATION
1. Removing the service panel and top panel (1) Remove 3 service panel fixing screws (5 × 10) and slide the hook on the right downward to remove the service panel. (2) Remove screws (3 for front, 3 for rear/5 × 10) of the top panel and remove it.	Figure 1 
2. Removing the fan motor (MF1, MF2) (1) Remove the service panel. (See Figure 1.) (2) Remove the top panel. (See Figure 1.) (3) Remove 5 fan grille fixing screws (5 × 10) to detach the fan grille. (See Figure 1.) (4) Remove a nut (for right handed screw of M6) to detach the propeller. (See Photo 1.) (5) Disconnect the connectors, CNF1, CNF2 on controller circuit board in electrical parts box. (6) Remove 4 fan motor fixing screws (5 × 25) to detach the fan motor. (See Photo 2.)	Photo 1  Photo 2 
3. Removing the electrical parts box (1) Remove the service panel. (See Figure 1.) (2) Remove the top panel. (See Figure 1.) (3) Disconnect the indoor/outdoor connecting wire and power supply wire from terminal block. (4) Remove all the following connectors from controller circuit board, fan motor, linear expansion valve, thermistor <Outdoor pipe>, thermistor <Discharge>, thermistor <Outdoor 2-phase pipe>, thermistor <Outdoor>, high pressure switch, low pressure switch, solenoid valve coil <Four-way valve> and solenoid valve coil <Bypass valve>. Then remove a screw (4 × 8) from the valve bed to remove the lead wire. Pull out the disconnected wire from the electrical parts box. <Diagram symbol in the connector housing> • Fan motor (CNF1, CNF2) • Linear expansion valve (LEV-A, LEV-B and LEV-C) • Thermistor <Outdoor pipe> (TH3) (TH32) (TH33) • Thermistor <Discharge> (TH4) • Thermistor <Outdoor 2-phase pipe, Outdoor> (TH7/6) • High pressure switch (63H) • Low pressure switch (63L) • 4-way valve coil (21S4) • Bypass valve coil (SV2) (5) Remove the terminal cover and disconnect the compressor lead wire. (6) Remove an electrical parts box fixing screw (4 × 10) and detach the electrical parts box by pulling it upward. The electrical parts box is fixed with 2 hooks on the left and 1 hook on the right.	Photo 3 

OPERATING PROCEDURE	PHOTOS
4. Removing the thermistor <Outdoor 2-phase pipe> (TH6) and thermistor <Outdoor>(TH7) (1) Remove the service panel. (See Figure 1.) (2) Remove the top panel. (See Figure 1.) (3) Disconnect the connectors TH7/6 (red) on the controller circuit board in the electrical parts box. (4) Loosen the clamp for the lead wire in the rear of the electrical parts box. (5) Pull out the thermistor <Outdoor 2-phase pipe> (TH6) and thermistor <Outdoor> (TH7) from the sensor holder. Note: In case of replacing thermistor <Outdoor 2-phase pipe> (TH6) or thermistor <Outdoor> (TH7), replace it together. Photo 5 	Photo 4 
5. Removing the thermistor <Discharge> (TH4) (1) Remove the service panel. (See Figure 1.) (2) Disconnect the connector TH4 (white) on the controller circuit board in the electrical parts box. (3) Loosen clamps for the lead wire in the rear of the electrical parts box (See Photo 4.) and separator (See Photo 6.). (4) Pull out the thermistor <Discharge> (TH4) from the sensor holder.	Photo 6 
6. Removing the thermistor <Outdoor pipe> (TH3) (TH32) (TH33) (1) Remove the service panel. (See Figure 1.) (2) Disconnect the connectors, TH3 (white) and TH32 (black), TH33 (yellow) on the controller circuit board in the electrical parts box. (3) Loosen clamps for the lead wire in the rear of the electrical parts box (See Photo 4.) and separator (See Photo 6.). (4) Loosen clamp for the lead wire for TH3. (5) Pull out the thermistor <Outdoor pipe> (TH3), (TH32) (TH33) from the sensor holder. (TH33 : See Photo 10.) Photo 8 	Photo 7 

OPERATING PROCEDURE	PHOTOS
7. Removing the 4-way valve coil (21S4), and linear expansion valve coil (LEV-A, LEV-B, LEV-C) (1) Remove the service panel. (See Figure 1.) (2) Remove the top panel. (See Figure 1.) [Removing the 4-way valve coil] (3) Remove 4-way valve coil fixing screw (M4 × 6). (4) Remove the 4-way valve coil by sliding the coil toward you. (5) Disconnect the connector 21S4 (green) on the controller circuit board in the electrical parts box. [Removing the linear expansion valve coil] (3) Remove the linear expansion valve coil by sliding the coil upward. (4) Disconnect the connectors, LEV-A (white), LEV-B (red) and LEV-C(blue) on the controller circuit board in the electrical parts box.	Photo 9 
8. Removing the 4-way valve (1) Remove the service panel. (See Figure 1.) (2) Remove the top panel. (See Figure 1.) (3) Remove 3 valve bed fixing screws (4 × 10) and 4 ball valve and stop valve fixing screws (5 × 16) then remove the valve bed. (4) Remove 4 right side panel fixing screws (5 × 10) in the rear of the unit then remove the right side panel. (5) Remove the 4-way valve coil. (6) Recover refrigerant. (7) Remove the welded part of 4-way valve. Note 1: Recover refrigerant without spreading it in the air. Note 2: The welded part can be removed easily by removing the right side panel. Note 3: When installing the 4-way valve, cover it with a wet cloth to prevent it from heating (120°C[250°F] or more), then braze the pipes so that the inside of pipes are not oxidized.	
9. Removing linear expansion valve (1) Remove the service panel. (See Figure 1.) (2) Remove the top panel. (See Figure 1.) (3) Remove 3 valve bed fixing screws (4 × 10) and 4 ball valve and stop valve fixing screws (5 × 16) then remove the valve bed. (4) Remove 4 right side panel fixing screws (5 × 10) in the rear of the unit then remove the right side panel. (5) Remove the linear expansion valve coil. (6) Recover refrigerant. (7) Remove the welded part of linear expansion valve. Note 1: Recover refrigerant without spreading it in the air. Note 2: The welded part can be removed easily by removing the right side panel. Note 3: When installing the linear expansion valve, cover it with a wet cloth to prevent it from heating (120°C[250°F] or more), then braze the pipes so that the inside of pipes are not oxidized.	
10. Removing the high pressure switch (63H) and the low pressure switch (63L) (1) Remove the service panel. (See Figure 1.) (2) Remove the top panel. (See Figure 1.) (3) Remove 3 right side panel fixing screws (5 × 10) in the rear of the unit and remove the right side panel. (4) Pull out the lead wire of high pressure switch and low pressure switch. (5) Recover refrigerant. (6) Remove the welded part of high pressure switch and low pressure switch. Note 1: Recover refrigerant without spreading it in the air. Note 2: The welded part can be removed easily by removing the right side panel. Note 3: When installing the high pressure switch, cover it with a wet cloth to prevent it from heating (100°C[210°F] or more), then braze the pipes so that the inside of pipes are not oxidized.	

OPERATING PROCEDURE	PHOTOS
11. Removing bypass valve coil (SV) and bypass valve (1) Remove the service panel. (See Figure 1.) (2) Remove the top panel. (See Figure 1.) (3) Remove 3 right side panel fixing screws (5 × 10) in the rear of the unit and remove the right side panel. (4) Remove the bypass valve solenoid coil fixing screw (M5 × 6). (5) Remove the bypass valve coil by sliding the coil upward. (6) Disconnect the connector SV2 (blue) on the controller circuit board in the electrical parts box. (7) Recover refrigerant. (8) Remove the welded part of bypass valve. Note 1: Recover refrigerant without spreading it in the air. Note 2: The welded part can be removed easily by removing the right side panel.	Photo 10  Replace filter Bypass valve coil fixing screw Thermistor <Outdoor pipe> (TH33) Bypass valve coil (SV) Bypass valve
12. Removing the reactor (DCL) and capacitor (CE) (1) Remove the service panel. (See Figure 1.) (2) Remove the top panel. (See Figure 1.) (3) Remove the electrical parts box. (See Photo 3.) <Removing the reactor> (4) Remove 4 reactor fixing screws (4 × 10) and remove the reactor. <Removing the capacitor> (4) Remove 2 capacitor band fixing screws (4 × 10) and remove the capacitor. ※ The reactor and capacitor are attached to the rear of the electrical parts box.	Photo 11  Reactor (DCL) Electrical parts box Reactor fixing screws Reactor fixing screws Capacitor (CE) Capacitor band fixing screws

OPERATING PROCEDURE

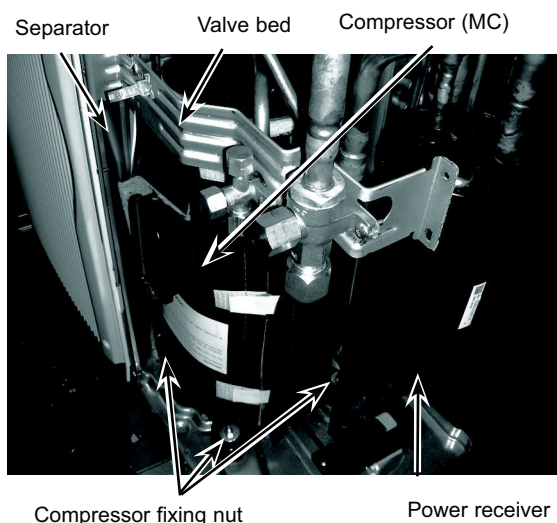
PHOTOS

13. Removing the compressor (MC)

- (1) Remove the service panel. (See Figure 1.)
- (2) Remove the top panel. (See Figure 1.)
- (3) Remove 2 front cover panel fixing screws (5 × 10) and remove the front cover panel. (See Photo 3.)
- (4) Remove 2 back cover panel fixing screws (5 × 10) and remove the back cover panel.
- (5) Remove the electrical parts box. (See Photo 3.)
- (6) Remove 3 valve bed fixing screws (4 × 10) and 4 ball valve and stop valve fixing screws (5 × 16) then remove the valve bed.
- (7) Remove 3 right side panel fixing screws (5 × 10) in the rear of the unit then remove the right side panel.
- (8) Remove 3 separator fixing screws (4 × 10) and remove the separator.
- (9) Remove the soundproof cover for compressor.
- (10) Remove the terminal cover and remove the compressor lead wire.
- (11) Recover refrigerant.
- (12) Remove the 3 points of the compressor fixing nut using a spanner or a adjustable wrench.
- (13) Remove the welded pipe of compressor inlet and outlet then remove the compressor.

Note: Recover refrigerant without spreading it in the air.

Photo 12

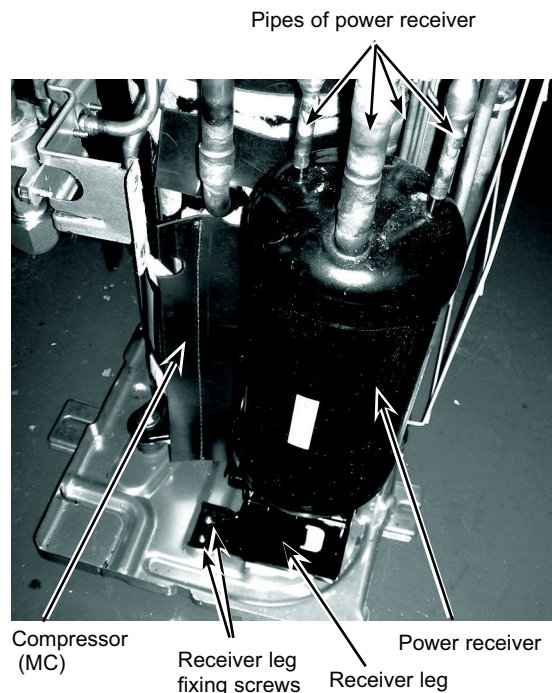


14. Removing the power receiver

- (1) Remove the service panel. (See Figure 1.)
- (2) Remove the top panel. (See Figure 1.)
- (3) Remove 2 front cover panel fixing screws (5 × 10) and remove the front cover panel. (See Photo 3.)
- (4) Remove 2 back cover panel fixing screws (5 × 10) and remove the back cover panel.
- (5) Remove the electrical parts box. (See Photo 3.)
- (6) Remove 3 valve bed fixing screws (4 × 10) and 4 ball valve and stop valve fixing screws (5 × 16) then remove the valve bed.
- (7) Remove 3 right side panel fixing screws (5 × 10) in the rear of the unit then remove the right side panel.
- (8) Recover refrigerant.
- (9) Remove 4 welded pipes of power receiver inlet and outlet.
- (10) Remove 2 receiver leg fixing screws (4 × 10).

Note: Recover refrigerant without spreading it in the air.

Photo 13



MITSUBISHI ELECTRIC CORPORATION

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