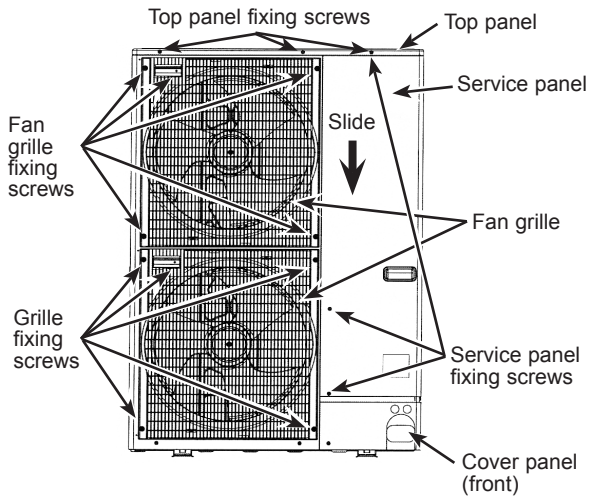
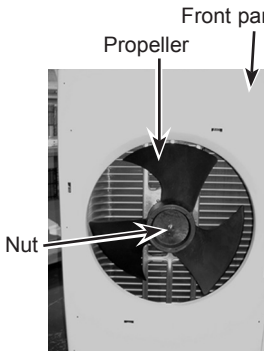
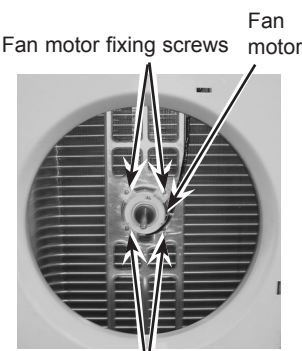


PUZ-HA30NHA5 PUZ-HA36NHA5

OPERATING PROCEDURE	PHOTOS & ILLUSTRATION
1. Removing the service panel and top panel (1) Remove the service panel fixing screws (3 for front/ 5 x 12), then slide the service panel downward to remove it. (The service panel is fixed to the side panel (R) with a hook on the right side.) (2) Remove the top panel fixing screws (3 for front and 3 for rear/ 5 x 12) to remove the top panel. Note: When removing service panel and top panel at the same time, count one less screw since they share a screw.	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 the fan grille fixing screws (5 for front/ 5 x 12) to remove the fan grille. (See Figure 1) (For the each fan motor on top and under) (4) Remove the screw of nut (1 for front/ M6), then slide the propeller fan forward to remove it. (For the each fan motor on top and under) (5) Disconnect the connectors, CNF1 (WT) and CNF2 (WT) on the controller circuit board in the electrical parts box. (See Photo 3) (6) Loosen the clamp for the lead wire on motor support, separator, and electrical parts box. (7) Remove the fan motor fixing screws (4 for front/ 5 x 20) to remove the fan motor. (For the each fan motor on top and under)	Photo 1  Photo 2 

OPERATING PROCEDURE

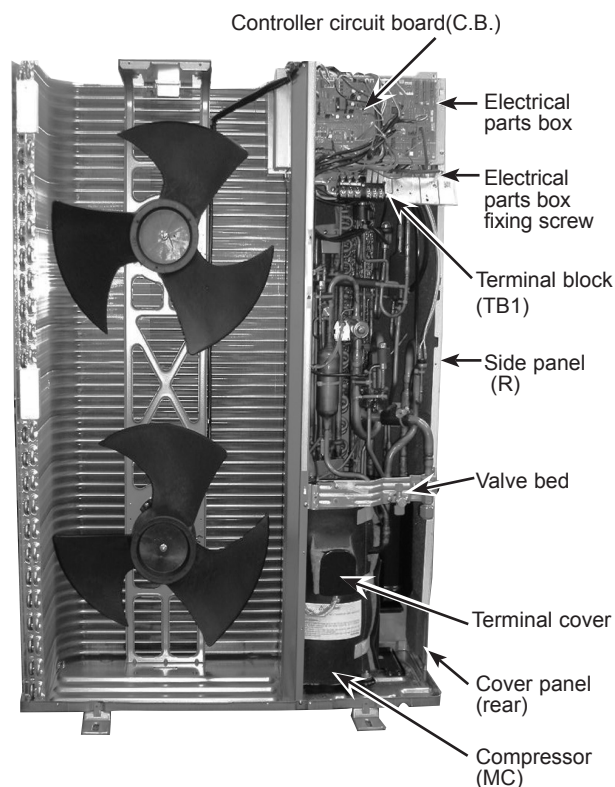
3. Removing the electrical parts box

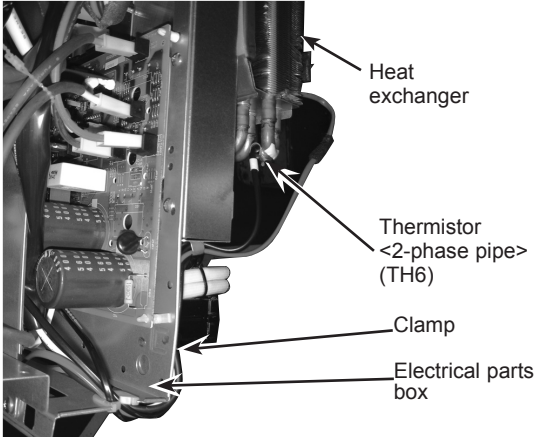
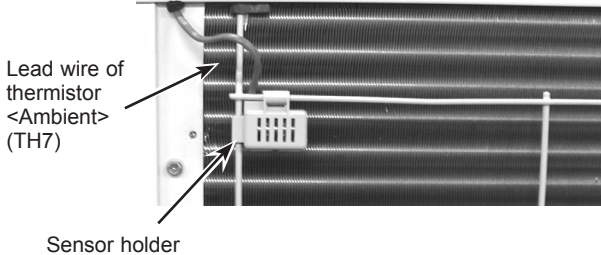
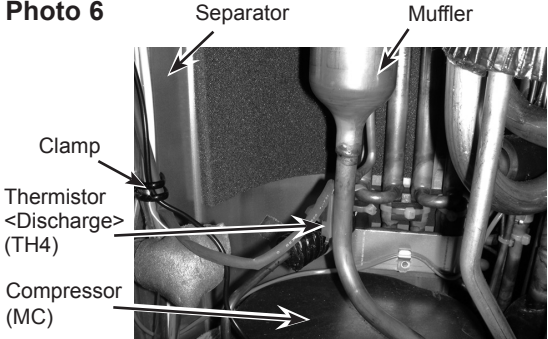
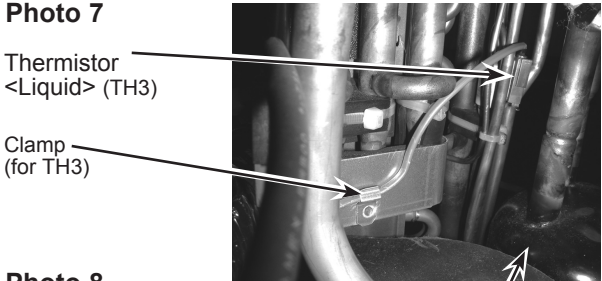
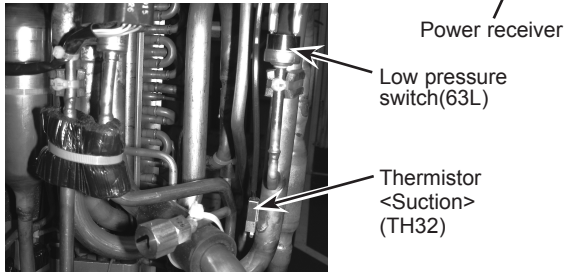
- (1) Remove the service panel. (See Figure 1)
- (2) Remove the top panel. (See Figure 1)
- (3) Disconnect the power supply cable from terminal block.
- (4) Disconnect the indoor/outdoor connecting wire from terminal block.
- (5) Disconnect the connector CNF1 (WT), CNF2 (WT), TH3 (WT), TH4 (WT), TH7/ 6 (RD), TH32 (BK), TH33 (YE), 63H (YE), 63L (RD), 21S4 (GN), LEV-A (WT), LEV-B (RD), LEV-C (BU) from the controller circuit board.
 <Symbols on the board>
 - Fan motor (CNF1, CNF2)
 - Thermistor <Liquid> (TH3)
 - Thermistor <Discharge> (TH4)
 - Thermistor <Ambient/2-Phase Pipe> (TH7/6)
 - Thermistor <Suction> (TH32)
 - Thermistor <Ref. check> (TH33)
 - High pressure switch (63H)
 - Low pressure switch (63L)
 - 4-way valve (21S4)
 - LEV (LEV-A, LEV-B, LEV-C)
- (6) Loosen the clamps, fasteners and cable strap for the lead wire in the electrical parts box and separator.
- (7) Loosen the lead wires fixed to the pipes with bands.
- (8) To disconnect the COMP lead wire, remove the terminal cover.
- (9) Remove the electrical parts box fixing screw (1 for front/ 4 x 10), then slide the electrical parts box upward to remove it.

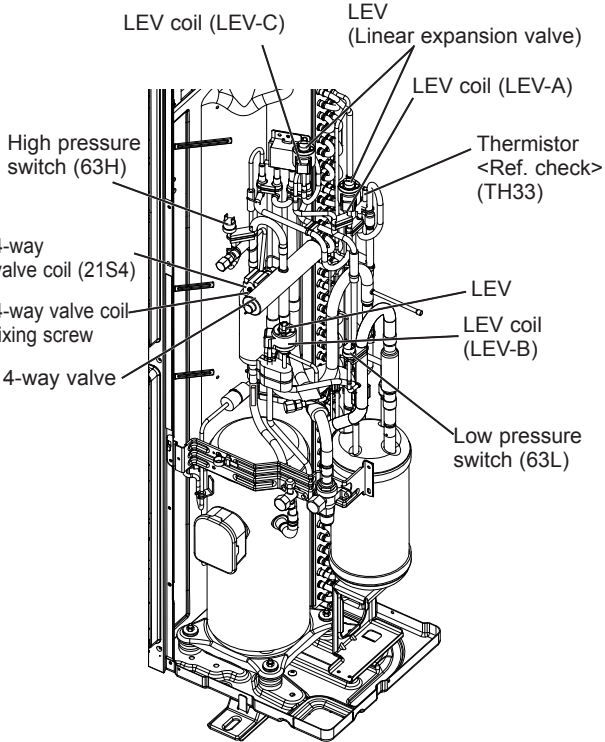
(The electrical parts box is fixed to the side panel (R) with a hook on the right side, and to the separator with a hook on the left side.)

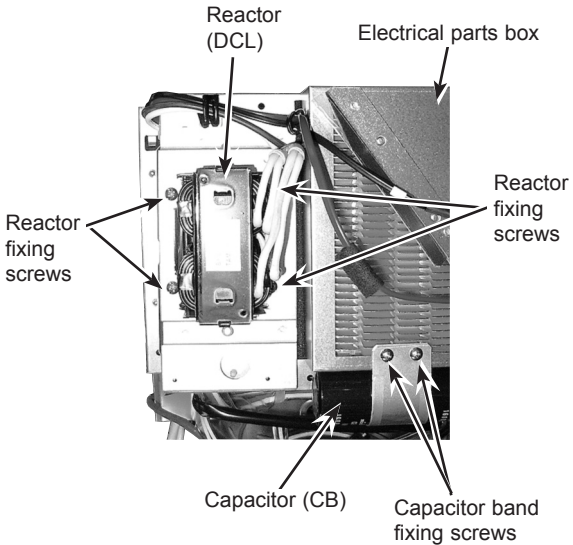
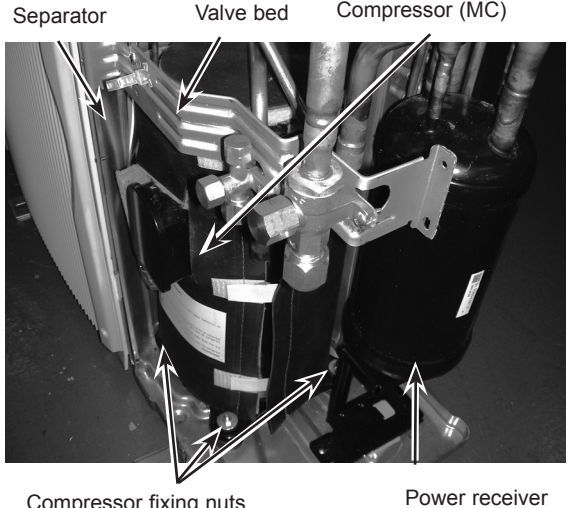
PHOTOS

Photo 3



OPERATING PROCEDURE	PHOTOS
4. Removing the thermistor <2-Phase Pipe> (TH6) (1) Remove the service panel. (See Figure 1) (2) Remove the top panel. (See Figure 1) (3) Disconnect the connector TH7/6 (RD) on the controller circuit board in the electrical parts box. (See Photo 3) (4) Loosen the fastener for the lead wire in the electrical parts box. (5) Loosen the clamp for the lead wire on the rear of electrical parts box. (6) Pull out the thermistor <2-phase pipe> (TH6) from thermistor holder. Note: When replacing thermistor <2-phase pipe> (TH6), replace it together with thermistor <Ambient> (TH7) since they are combined together. Refer to procedure No.5 to remove the thermistor <Ambient> (TH7).	Photo 4 
5. Removing the thermistor <Ambient> (TH7) (1) Remove the service panel. (See Figure 1) (2) Remove the top panel. (See Figure 1) (3) Disconnect the connector TH7/6 (RD) on the controller circuit board in the electrical parts box. (See Photo 3) (4) Loosen the fastener for the lead wire in the electrical parts box. (5) Loosen the clamps for the lead wire on rear of the electrical parts box. (6) Pull out the thermistor <Ambient> (TH7) from sensor holder. Note: When replacing thermistor <Ambient> (TH7), replace it together with thermistor <2-phase pipe> (TH6), since they are combined together. Refer to procedure No.4 to remove the thermistor <2-phase pipe>(TH6).	Photo 5 
6. Removing the thermistor <Discharge> (TH4) (1) Remove the service panel. (See Figure 1) (2) Disconnect the connector TH4 (WT) on the controller circuit board in the electrical parts box. (See Photo 3) (3) Loosen the fastener, cable strap and band for the lead wire on the controller circuit board in the electrical parts box. (4) Loosen clamps for the lead wire on the separator. (5) Pull out the thermistor <Discharge> (TH4) from the thermistor holder.	Photo 6 
7. Removing the thermistor <Liquid> (TH3) and thermistor <Suction> (TH32). (1) Remove the service panel. (See Figure 1) (2) Disconnect the connector, TH3 (WT), TH32 (BK) on the controller circuit board in the electrical parts box. (See Photo 3) (3) Loosen the fastener, cable strap and band for the lead wire on the controller circuit board in the electrical parts box. (4) Loosen the clamp for the lead wire on separator. (5) Pull out the thermistor <Liquid> (TH3) from thermistor holder. (6) Pull out the thermistor <Suction> (TH32) from thermistor holder.	Photo 7  Photo 8 

OPERATING PROCEDURE	ILLUSTRATION
8. Removing the thermistor <Ref. check> (TH33) (1) Remove the service panel. (See Figure 1) (2) Disconnect the connector, TH33 (YE), on the controller circuit board in the electrical parts box. (See Photo 3) (3) Loosen the fastener and clamp for the lead wire on the controller circuit board in the electrical parts box. (4) Pull out the thermistor <Ref. check> (TH33) from thermistor holder.	
9. Removing the 4-way valve coil (21S4), LEV coil (LEV-A, LEV-B, LEV-C) and lead wire for high pressure switch (63H) and low pressure switch (63L). (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) (4) Loosen the clamp for the lead wire on separator. [Removing the lead wire for pressure switch] (5) Disconnect the lead wire from the pressure switch. [Removing the 4-way valve coil] (5) Remove the 4-way valve coil fixing screw (1 for front/ M4) to remove the 4-way valve coil. (6) Slide the 4-way valve coil forward to remove it. [Removing the LEV coil] (5) Loosen the lead wires fixed to the pipes with bands. (6) Slide the LEV coil upward to remove it.	Figure 2 
10. Removing the 4-way valve, LEV (LEV-A, LEV-B, LEV-C), high pressure switch and low pressure switch. (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) (4) Remove the cover panel (front). (See Figure 1) (5) Remove the cover panel (rear). (See Photo 3) (6) Remove the valve bed. (See Photo 3) (7) Remove the side panel (R). (8) Recover refrigerant. [Removing the 4-way valve] (9) Remove the 4-way valve coil. (See Figure 2) (10) Remove the welded part of 4-way valve (4 positions) to remove the 4-way valve. [Removing the LEV] (9) Remove the LEV coil. (See Figure 2) (10) Remove the welded part of LEV (2 positions) to remove the LEV. [Removing the pressure switch] (9) Disconnect the lead wire from the pressure switch. (10) Remove the welded part of pressure switch (1 position) to remove the pressure switch. Note 1: Recover refrigerant without spreading it in the air. Note 2: The welded part can be removed easily by removing the side panel (R). Note 3: When installing the following parts, cover it with a wet cloth to prevent it from heating as the temperature below, then braze the pipes so that the inside of pipes are not oxidized; • 4-way valve, 250°F [120°C] or more • LEV, 250°F [120°C] or more • Pressure switch, 210°F [100°C] or more	

OPERATING PROCEDURE	PHOTOS
11. Removing the reactor (DCL) and capacitor (CB) (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 the reactor fixing screws (4 for rear/4 × 10) and remove the reactor. [Removing the capacitor] (4) Remove the capacitor band fixing screws (2 for rear/4 × 10) and remove the capacitor. (The reactor and capacitor are fixed to the electrical parts box on the rear side.)	Photo 9  Reactor (DCL) Electrical parts box Reactor fixing screws Reactor fixing screws Capacitor (CB) Capacitor band fixing screws
12. Removing the compressor (MC) (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) (4) Remove the cover panel (front). (See Figure 1) (5) Remove the cover panel (rear). (See Photo 3) (6) Remove the valve bed. (See Photo 10) (7) Remove the side panel (R). (See Photo 3) (8) Remove the front panel fixing screws (4 for front/ 5x12 and 2 for front/ 4x10), then slide the front panel upward to remove it. (The front panel is fixed with 4 hooks; 3 on the left side fixing to the side panel (L), and the other on the right side fixing to the separator.) (9) Remove the separator fixing screws (3 for front/ 4x10), then slide the separator upward to remove it. (The separator is fixed to a hook of the side plate.) (10) Recover refrigerant. (11) Remove the welded part of compressor (2 positions). (12) Remove the 3 compressor fixing nuts (M6) to remove the compressor. Note 1: Recover refrigerant without spreading it in the air. Note 2: The compressor can be easily removed by removing separator.	Photo 10  Separator Valve bed Compressor (MC) Compressor fixing nuts Power receiver



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