

Technical Information

Air Conditioner

CS-E9BKP
CS-E12BKP
CS-E9CKP
CS-E12CKP

Subject : Fan Motor Ball Bearing Noise

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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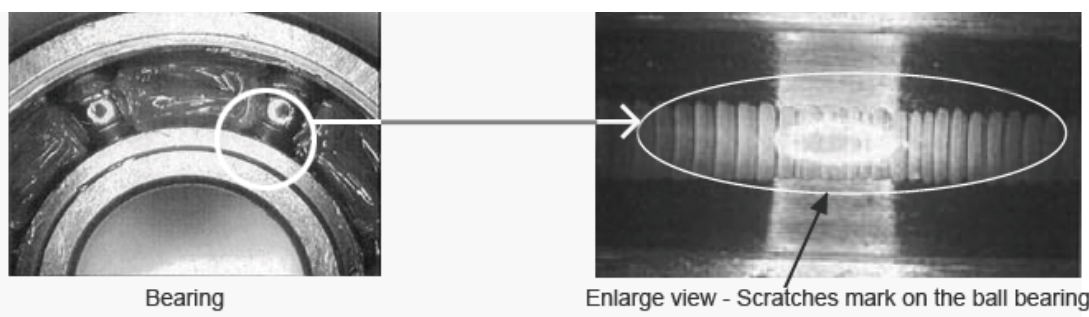
1 Symptom

- Indoor unit generates disturbing noise.
- The noise is from fan motor's ball bearing.

2 Cause

Electro-Chemical Corosion occurs that current flows periodical through ball bearing and creates sparks (wave like abrasion) to the surface.

The defective bearing (at longer shaft side) found a wave line scratch patterns on the bearing wheel surface.



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3 Remedy

Occurance of electro-chemical corosion is improved after implementation on the remedy parts. Remedy parts of new source and HMM fan motor double washer will provide a better leakage current protection.

- Production Improvement.

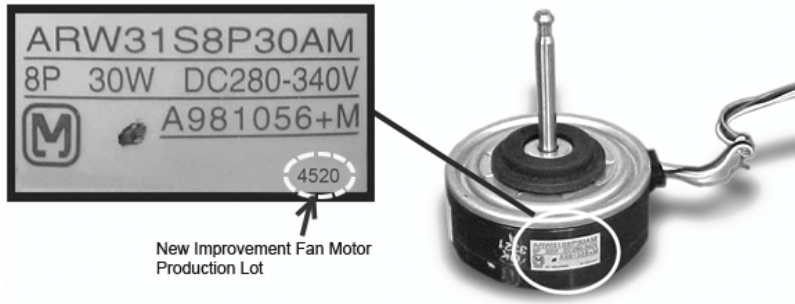
Replace an alternative fan motor source from original HMM (CWA981056) to new source (CWA981121) from 24 March 2004 onward.

Model	Serial No.
CS-E9CKP	0358271361
CS-E12CKP	0358271871

- Sparepart Improvement.

Replace a new improved indoor fan motor of double washer bearing.

Model	Part Name		Remarks
	Original Fan Motor Part Number	New Improved Fan Motor Part Number	
CS-E9BKP	CWA981056	CWA981056	Production Lot: 4520 onwards
CS-E12BKP	CWA981056	CWA981056	Production Lot: 4520 onwards
CS-E9CKP	CWA981056	CWA981056	Production Lot: 4520 onwards
CS-E12CKP	CWA981056	CWA981056	Production Lot: 4520 onwards



4 Procedure

Fan Motor Removal Procedures:-

1. Remove the Front Grille



Fig. 1



Fig. 2

2. Remove the Indoor Control Board

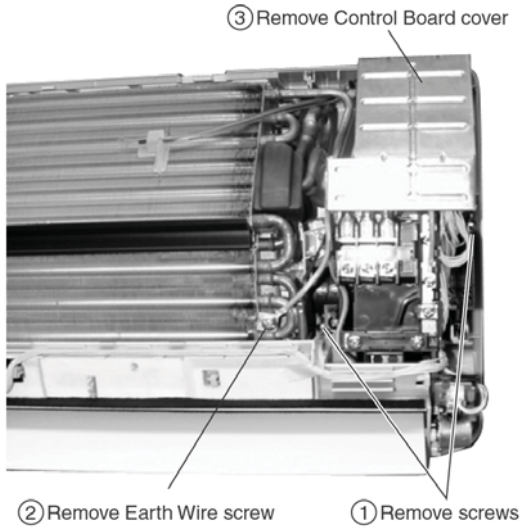


Fig. 3

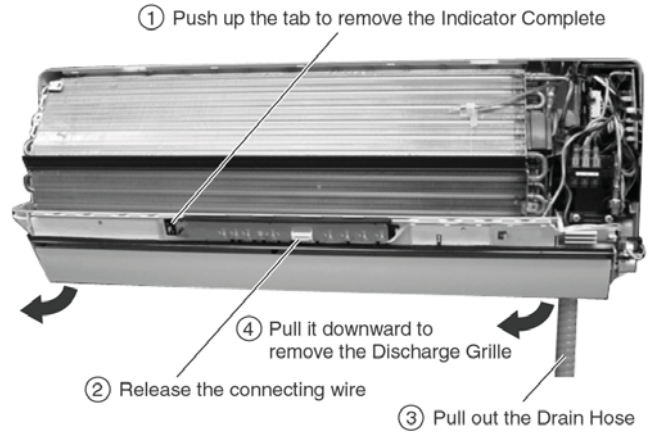


Fig. 4

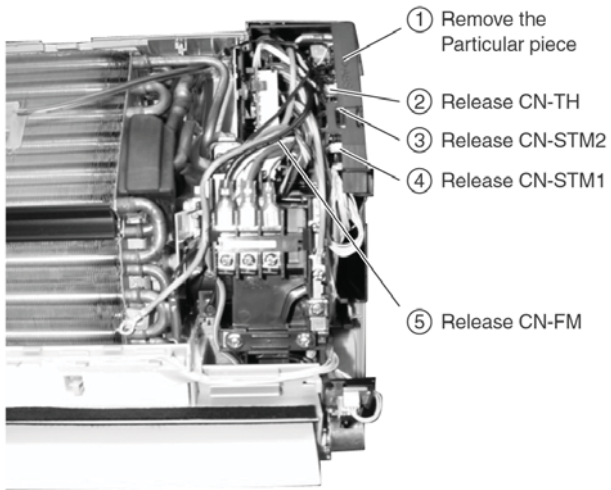


Fig. 5

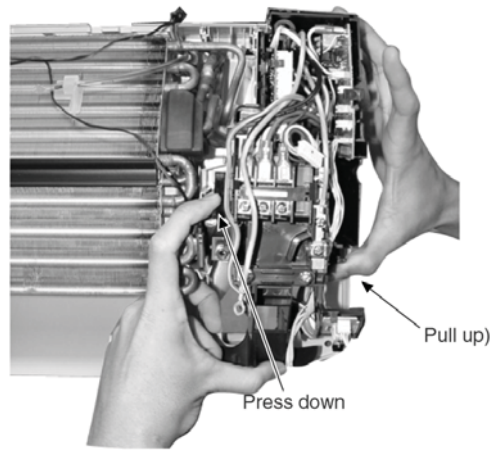


Fig. 6

3. Remove The Fan Motor

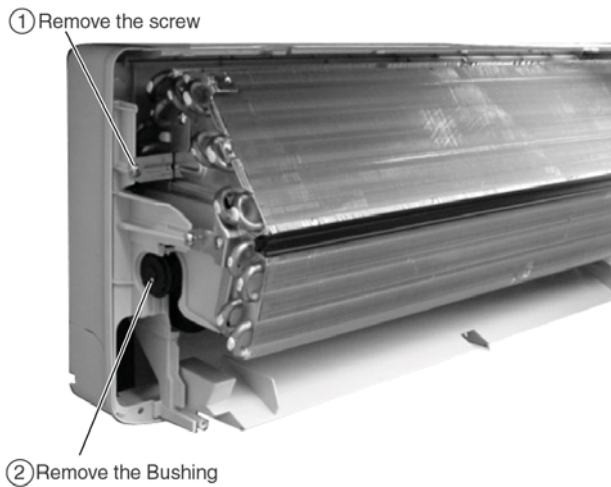


Fig. 7

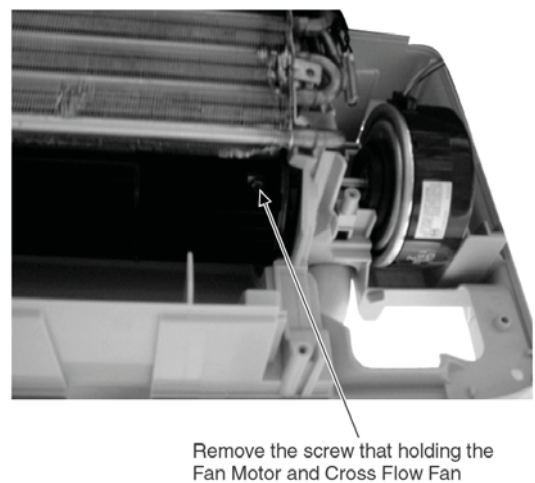


Fig. 8

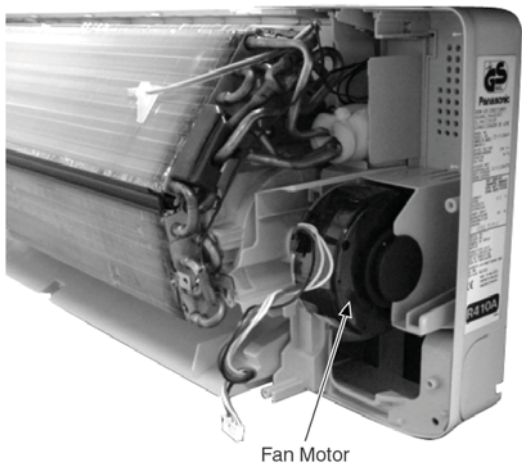


Fig. 9 (Replace new improvement fan motor)

*Note: All the information in this Technical Information is subjected to change without prior notice for further improvement.