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Four Seasons 58886

Four Seasons Compressor - 58886 User Manual

Model: 58886 | Brand: Four Seasons

PRODUCT OVERVIEW

The Four Seasons 58886 is a new Keihin HS110R A/C compressor with clutch, designed for automotive air conditioning systems. This component is crucial for circulating refrigerant and ensuring efficient cooling performance in your vehicle.



Figure 1: Four Seasons 58886 A/C Compressor with Clutch. This image displays the complete compressor unit, highlighting its main body, the integrated clutch mechanism, and electrical connections. The unit is grey with a black clutch, and visible bolts secure its components.

WHAT'S IN THE BOX

- One (1) Four Seasons 58886 A/C Compressor with Clutch

SPECIFICATIONS

Attribute	Detail
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Brand	Four Seasons
Model Number	58886
Part Type	A/C Compressor with Clutch
Compressor Type	Keihin HS110R
Item Weight	7.121 kilograms (approximately 15.7 lbs)
Package Dimensions	29.464 cm H x 19.558 cm L x 19.812 cm W
Manufacturer Part Number	58886
ASIN	B0076HLGG2

SETUP AND INSTALLATION

Installation of an A/C compressor should be performed by a qualified automotive technician. Improper installation can lead to system damage, refrigerant leaks, and personal injury. Always refer to your vehicle's service manual for specific procedures.

Pre-Installation Checks:

- Ensure the new compressor is the correct model for your vehicle.
- Inspect the compressor for any shipping damage.
- Verify the correct type and amount of refrigerant oil is present or added according to specifications.
- Replace the accumulator/drier and expansion valve/orifice tube as part of a complete A/C system overhaul.

Installation Steps (General Guidance):

1. Safely discharge the existing A/C system using proper recovery equipment.
2. Remove the old compressor and associated components.
3. Install the new Four Seasons 58886 compressor, ensuring all mounting bolts are torqued to manufacturer specifications.
4. Connect all electrical and refrigerant lines, replacing O-rings as necessary.
5. Evacuate the A/C system to remove air and moisture.
6. Recharge the system with the correct type and amount of refrigerant.
7. Perform leak detection and system performance tests.

OPERATING INSTRUCTIONS

Once installed and properly charged, the Four Seasons 58886 A/C compressor operates automatically as part of your vehicle's climate control system. Its primary function is to compress refrigerant gas, which is then cooled and expanded to provide cold air to the cabin.

Normal Operation:

- The compressor engages when the A/C system is activated (e.g., by pressing the A/C button in your vehicle).
- You may hear a slight click or feel a minor change in engine load when the compressor clutch engages. This is normal.
- The compressor cycles on and off to maintain the desired cabin temperature and system pressure.

For optimal performance, ensure your vehicle's engine is running and at operating temperature when using the A/C system.

MAINTENANCE

Proper maintenance of your vehicle's A/C system, including the compressor, can extend its lifespan and ensure efficient cooling.

Recommended Maintenance Practices:

- **Regular System Checks:** Have your A/C system inspected annually by a qualified technician for proper refrigerant levels, leaks, and overall performance.
- **Run A/C Periodically:** Even in cold weather, run your A/C system for at least 10 minutes once a month to keep seals lubricated and prevent refrigerant leaks.
- **Inspect Drive Belt:** Periodically check the serpentine belt that drives the compressor for cracks, fraying, or excessive wear. Replace if necessary.
- **Clean Condenser:** Ensure the condenser (located in front of the radiator) is free of debris, leaves, and dirt to allow for proper heat dissipation.

TROUBLESHOOTING

If you experience issues with your vehicle's air conditioning system, it's important to diagnose the problem correctly. Many A/C issues can stem from components other than the compressor itself. Always consult a professional for complex diagnostics and repairs.

Common Issues and Potential Causes:

Symptom	Possible Cause
No cold air	Low refrigerant, faulty compressor clutch, electrical issue, clogged expansion valve, failed condenser fan.
A/C blows warm air intermittently	Low refrigerant, faulty pressure switch, intermittent electrical connection.
Loud noise from compressor area	Worn compressor bearings, failing clutch, loose mounting bolts, incorrect belt tension.
Compressor clutch not engaging	Low refrigerant pressure, electrical fault (fuse, relay, wiring), faulty clutch coil, seized compressor.
Refrigerant leaks	Damaged O-rings, cracked hoses, faulty seals on compressor or other components.

Note: Many of these issues require specialized tools and knowledge for proper diagnosis and repair. It is highly recommended to seek professional assistance.

WARRANTY AND SUPPORT

For specific warranty information regarding your Four Seasons 58886 A/C Compressor, please refer to the documentation provided with your purchase or contact Four Seasons directly. Warranty terms typically cover manufacturing defects and may vary based on the retailer and installation method.

Customer Support:

For technical assistance, installation guidance, or warranty claims, please contact Four Seasons customer support or the authorized dealer from whom you purchased the product. You may need your purchase receipt and the product's model number (58886) for support inquiries.

While specific contact details are not provided here, you can typically find them on the official Four Seasons website or product packaging.

This manual provides general information and is not a substitute for professional automotive service.