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› ECCPP AC Compressor with Clutch Instruction Manual for Mazda Tribute 2.0L

ECCPP 104144-5211-1501181

ECCPP AC Compressor with Clutch Instruction Manual

Brand: ECCPP

Model: 104144-5211-1501181

1. PRODUCT OVERVIEW

The ECCPP AC Compressor with Clutch is a critical component of your vehicle's air conditioning system, responsible for compressing and circulating refrigerant. This unit is engineered for superior durability and performance, meeting or exceeding OEM specifications to ensure efficient and quiet operation.



Image: The ECCPP AC Compressor with Clutch, showcasing its robust design.

Video: An animated demonstration of the ECCPP AC Compressor's function, highlighting its role in providing strong cooling and a comfortable experience by regulating in-car temperature.

2. KEY FEATURES

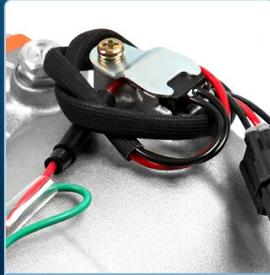
- **Superior Durability:** Engineered to meet or exceed OEM specifications, ensuring long-lasting performance.
- **Quiet Operation:** Utilizes the latest design and material technology for a noiseless and maintenance-free experience.
- **Pre-filled Oil:** Comes pre-filled with 130 ml of PAG46 oil, eliminating the need for additional oil during initial use.
- **Precision Components:** Features an accurate pulley (127mm diameter, 6 grooves) and robust construction for reliable power conversion.
- **Pressure Tested:** All compressors are pressure tested with nitrogen for leaks to ensure quality and reliability.
- **Compressor Type:** FS10.

Product Detail Presentation



Image: Detailed view of the AC compressor, highlighting its clutch, compressor body, and electrical plug components.

COMPONENTS FOR ADVANCED CRAFTSMANSHIP



OIL FILL-UP PLUG

Oil fill-up plug for better inner oil return



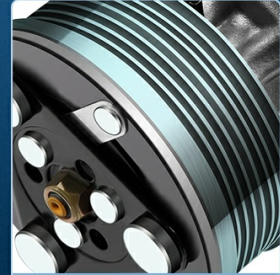
HARD-WEARING PISTON

Ensure smooth and quiet operation



FIRM MOUNTING HOLES

Make compressor stable and firm



SUPERIOR PULLEY

Provide ultimate reliability performance

Image: Illustration of the compressor's internal components, emphasizing the oil fill-up plug, hard-wearing piston, firm mounting holes, and superior pulley for enhanced performance.

3. COMPATIBILITY

This ECCPP AC Compressor with Clutch is designed to be compatible with the following vehicle models:

- 2001-2004 Mazda Tribute 2.0L

Please verify the part numbers and vehicle specifications to ensure proper fitment:

Part Numbers: EFY26145Z, DW57144, 1520700, 4718136, 57144, 58144, 7511453, 273176, TEM273176, 0658144, 010306

Applicable model

Fitment:

2001-2004 Fit for Ford Escape 2.0L
2001-2004 Fit for Mazda Tribute 2.0L



Image: A visual representation of a vehicle compatible with this AC compressor, indicating the applicable model years and engine size.

4. INSTALLATION PRECAUTIONS

Proper installation is crucial for the optimal performance and longevity of your new AC compressor. Please observe the following precautions:

- **Oil Content:** The AC compressor is pre-filled with sufficient oil (approximately 130ml) for normal operation. **DO NOT add extra oil.** Adding excessive oil can cause vibration or damage to the compressor.
- **System Cleaning:** When replacing an old compressor, it is essential to thoroughly clean the entire AC system. This includes flushing the pipes, radiators, and evaporators. Separate and clean the pipes in the

system to prevent contamination. Compressor damage can occur if the system is not properly cleaned before installation.

Precautions

The oil content inside the ac compressor is already sufficient for the normal operation of the air conditioner compressor. No need for extra oil, otherwise it will cause vibration or damage to the air conditioning compressor



Image: A visual warning emphasizing that the AC compressor comes pre-filled with oil and no additional oil should be added.



NOTE:

When replacing a new compressor, please clean the pipes, radiators and evaporators, and separate and clean the pipes in the system. Compressor damage can occur if the system is not cleaned and installed.

Image: A note advising to clean pipes, radiators, and evaporators when replacing a new compressor to prevent damage.

5. MAINTENANCE

The ECCPP AC Compressor is designed for low maintenance. The primary maintenance consideration is during installation and replacement:

- As mentioned in the installation precautions, ensure the system is clean and free of debris when installing a new compressor.
- Do not add additional oil to the compressor, as it is pre-lubricated from the factory.
- Regular vehicle maintenance, including checking the AC system for leaks and proper refrigerant levels, will contribute to the overall longevity of the compressor.

6. TROUBLESHOOTING

If you encounter issues with your AC system, refer to the following common problems and their potential solutions:

Problem	Possible Cause	Solution
High 250 Low 50	Overcharged system or condenser issue	Recharge system and inspect condenser for blockage
High 160 Low 10	Evaporator frosted or low pressure piping faulty, or expansion valve	Check and replace as required
High 225 Low 80	Expansion valve too wide open, heat sensitizing tube faulty, or too much refrigerant	Recharge system
High 50 Low 50	Clutch engages then disengages	Check wiring, run power straight to the compressor to test
High 150 Low 30	Water in the system	Evacuate for 30 mins, dry and refill
High 125 Low 30	Not recharged enough or too much oil	Check amount of refrigerant/oil
High 200 Low 70	Blockage in system	Find blockage and replace

Problem	Possible Cause	Solution
High 150 Low >10	Expansive valve open or leak	Check valve or complete dye test
High 100 Low 100	Compressor does not engage	Check wiring

Note: The most ideal pressure readings are around 150 High and 30 Low.

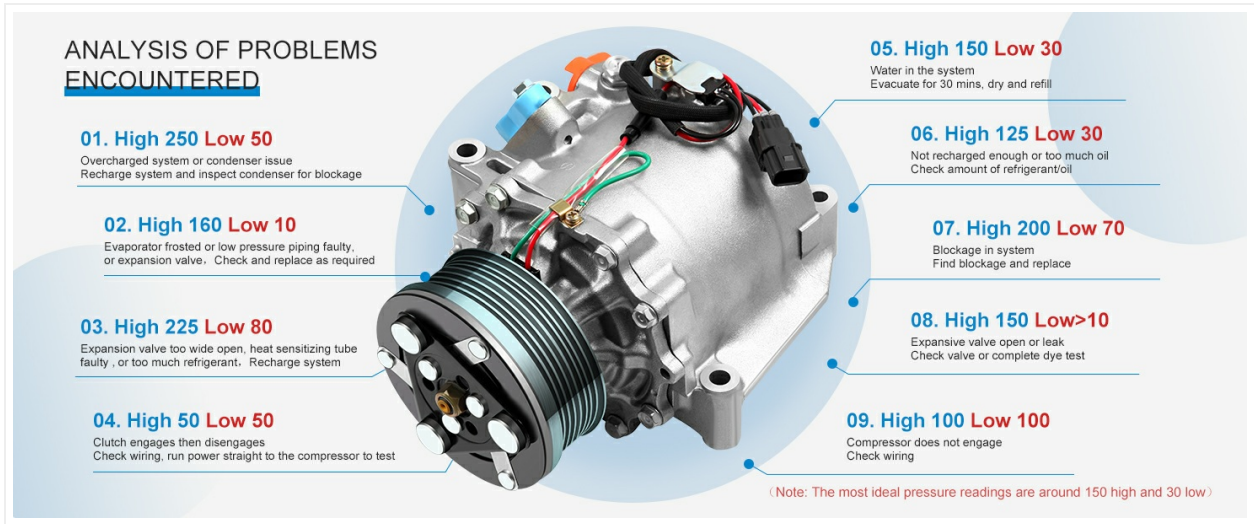


Image: A diagram illustrating common AC system problems, their causes, and recommended solutions, with pressure readings.

Consider replacing your AC compressor if your vehicle exhibits the following symptoms:

- Poor heat dissipation
- Insufficient cooling
- Compressor aging (e.g., unusual noises, reduced efficiency)
- Plumbing failure within the AC system

REPLACE THE AC COMPRESSOR WHEN YOUR CAR MEETS THESE PROBLEMS

01

POOR HEAT DISSIPATION

02

NOT COOL ENOUGH

03

COMPRESSOR AGING

04

PLUMBING FAILURE

Image: Visual cues indicating when an AC compressor might need replacement, such as poor heat dissipation, inadequate cooling, compressor aging, or plumbing issues.

7. SPECIFICATIONS

Attribute	Value
Manufacturer	ECCPP
Item Weight	14.55 pounds
Product Dimensions	10.24 x 9.06 x 7.48 inches
Item Model Number	104144-5211-1501181
OEM Part Number	EFY26145Z, DW57144, 1520700, 4718136, 57144, 58144, 7511453, 273176, TEM273176, 0658144, 010306
Oil Type	PAG46
Internal Oil Content	130 ml
Pulley Grooves	6
Compressor Type	FS10
Pulley Diameter	127 mm

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the product packaging or contact ECCPP customer support directly. Typically, products purchased through Amazon may be eligible for a 30-day return/replacement policy.

For further assistance or inquiries, please visit the official ECCPP Store on Amazon:[ECCPP Store](#)