



EB3G-8C617-CA Cooling Fan Clutch For Ford Ranger 2.2L 3.2L

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: NABO
- Certification: TS16949
- Model Number: EB3G-8C617-CA
- Packaging Details: poly bag or air bubble bag, any boxes with customers' label, Corrugated box , Standard tray
- Delivery Time: 3-35 days
- Payment Terms: D/P, L/C, T/T



Product Specification

- Product Name: Cooling Fan Clutch
- Size: Standard
- Warranty: 12 Months
- Highlight: EB3G-8C617-CA Cooling Fan Clutch,
Ford Ranger Cooling Fan Clutch,
2.2L Cooling Fan Clutch



Product Description

Product Description:

Cooling Fan Clutch Overview

The cooling fan clutch serves as a critical component in a vehicle's cooling system. Its primary location is in the space nestled between the engine block and the radiator, serving as a bridge for the fan blades. This positioning is strategic, as it enables the fan clutch to efficiently manage the system's cooling demands.

Composition and Functionality

At the heart of the cooling fan clutch's design lies a bi-metallic coil spring. This spring is highly responsive to temperature changes, making it a key element in the regulation process. The sensitivity of the spring allows it to adjust the engagement of the clutch based on the engine's temperature.

Accompanying the coil spring is a thermal sensor—responsible for detecting temperature fluctuations within the engine bay. This sensor works in tandem with the bi-metallic spring to trigger adjustments in the fan clutch's operation.

Completing the assembly is a viscous fluid coupling. It's the operation of the fluid coupling that defines the fan clutch mode—whether it's engaged or disengaged. This mechanism ensures that the fan rotates at the right speed to match the engine's cooling needs without causing unnecessary drag and reducing fuel efficiency.

Features:

Advanced Fan Clutch Features

Precision Temperature Control

Ensuring that your engine maintains optimal temperature levels, our fan clutch is equipped with a finely-calibrated thermal sensor. This sophisticated component carefully monitors the temperature of the engine coolant, enabling the clutch to seamlessly engage and disengage at precisely the right moments. The result is a balance between maintaining efficient engine cooling and reducing unnecessary energy use.

Boosted Cooling Efficiency

Our fan clutch is the epitome of strength and innovation, designed to amplify the flow of air across the radiator. The augment in airflow contributes significantly to heat dispersion, staving off the risk of engine overheating. This function is essential for preserving the ideal temperature range for your engine's operation.

Rugged & Enduring Construction

Committed to enduring performance, our fan clutch is constructed using only the finest materials paired with meticulous manufacturing practices. The clutch is tough enough to cope with the rigorous conditions of daily usage, fluctuations in temperature, and other environmental extremes. It is a reliable component fashioned to offer consistent performance over time.

Seamless and Silent Operation

Experience unparalleled tranquility and stability with our fan clutch. Engineered for serenity, it operates with minimal vibration and reduced noise levels. This quiet and steady performance contributes to a more pleasant driving experience, ensuring comfort throughout your journey.

Engineered for Optimal Performance

Our fan clutch is a testament to performance optimization for your vehicle's cooling system. It enhances the radiator's efficiency, allowing your engine to function at peak conditions. This not only elevates the performance but also acts as a safeguard against the damages associated with engine overheating.

Applications:

Understanding the Cooling Fan Clutch

The cooling fan clutch is an integral component within a car's engine cooling system. This mechanical device is tasked with a crucial role in managing the performance of the cooling fan attached to the engine. The primary objective of the fan clutch is to adjust the fan's speed to meet the cooling requirements of the engine at any given time.

Role and Functionality

As engines operate, they generate a substantial amount of heat. The cooling fan clutch engages in response to specific thermal conditions. It ensures that the fan spins at the right velocity, providing adequate airflow to dissipate excess heat. By doing so, it helps maintain the engine at its optimal operating temperature, promoting efficient performance and longevity.

Dynamics of the Cooling Fan Clutch

The dynamics of how the fan clutch operates are quite straightforward yet vital. The clutch adjusts the fan speed variably, meaning it does not run the fan at full speed constantly. This is beneficial as it prevents unnecessary power drain from the engine when full fan speed is not required, leading to better fuel efficiency. When the engine's temperature rises, the clutch automatically increases the fan's RPM to enhance the cooling process, thereby preventing overheating.

Conclusion

In summary, the cooling fan clutch serves as a temperature-sensitive regulator that modulates the cooling fan's activity. This modulation is essential for the engine's thermal management system and indirectly contributes to the overall health and efficiency of the vehicle's engine.

FAQ:

1. Who are we?

We are based in Guangzhou, China, start from 2018, we are specilizing in all kinds of spare parts for Japanese cars and Korean cars, for example, engine parts, suspension parts,electric parts, steering parts,transmission parts, body parts. . .

2. How can we guarantee quality?

Always a pre-production sample before mass production;

Always final inspection before shipment.

3. Why should you buy from us from other suppliers?

We have experience in spare parts for more than 10+years

A large of stock

Professional export company

Accept small order

We can design anything well according to customers' requirment

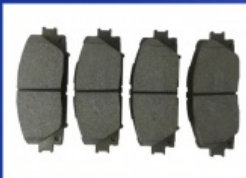
PRODUCT SPECIFICATIONS





MAIN PRODUCT

BRAKE SYSTEM



Brake Pad



Brake Shoe



Brake Disc



Brake Repair Kit



Brake Booster



Brake Cable



Brake Master
Cylinder



Brake Slave
Cylinder

TRANSMISSION SYSTEM



Drive Shaft



Propeller Shaft



Wheel Hub Bearing



Cv Joint



Clutch Set



Clutch Master Cylinder



Clutch Release Bearing



Universal Joint

SUSPENSION SYSTEM



Shock Absorber



Shock Absorber Spring



Strut Mount



Tie Rod End



Bushing



Control Arm



Ball Joint



Rack End

STEERING SYSTEM



Power Steering Rack



Power Steering Pump



Steering Knuckle



Steering Column Shaft



Steering Gear Boots



Oil Control Valve



Oil seal



Steering Hose



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