



## 16210-51020 Cooling Fan Clutch For Automobile Toyota Landcruiser

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: NABO
- Certification: TS16949
- Model Number: 16210-51020
- 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
- Warranty: 12 Months
- Size: Standard
- Highlight: **Automobile Fan Clutch,  
Automobile Cooling Fan Clutch,  
Toyota Landcruiser Fan Clutch**



### More Images



## Product Description:

### Understanding the Cooling Fan Clutch

The cooling fan clutch plays a crucial role in the vehicle's cooling system. It is strategically positioned between the power-generating engine and the heat-dissipating radiator. This placement is essential because it enables the fan clutch to regulate the engine's temperature efficiently.

The construction of the cooling fan clutch is unique and multifaceted. At its heart lies a temperature-sensitive bi-metallic coil spring. This component responds to temperature changes by expanding or contracting, which in turn controls the engagement of the clutch.

Complementing the coil spring is a thermal sensor. This sensor monitors the temperature and ensures that the cooling fan operates at optimal times to maintain the engine's temperature within the desired range.

An additional key component of the fan clutch is the viscous fluid coupling. This element creates the necessary resistance or drive to turn the fan blades. It does this by utilizing a specially formulated fluid that modifies its viscosity based on the temperature fluctuations detected by the bi-metallic coil and thermal sensor. This sophisticated interaction between components ensures that the cooling fan functions effectively in maintaining the engine's temperature, prolonging the engine's life, and optimizing its performance.

## Features:

### Fan Clutch Advanced Features

#### Temperature Control Precision

Our fan clutch is equipped with a state-of-the-art thermal sensor that precisely gauges the temperature of the engine coolant. This innovative inclusion ensures that the clutch engages and disengages exactly when needed, providing an efficient cooling system that smartly reduces power consumption.

#### Boosted Cooling Efficacy

Featuring a sturdy structure and cutting-edge mechanics, our fan clutch enhances the volume of air flowing through the radiator. The benefit is twofold: efficient dissipation of heat and the prevention of engine overheating, which together help maintain an ideal engine temperature for a smooth ride.

#### Reliable and Robust Build

Crafted from top-tier materials and through precise manufacturing practices, the durability and longevity of our fan clutch stand out. It braves the rigors of everyday commutes, extreme weather, and challenging environments, offering consistent and dependable functionality over time.

#### Smooth Operation with Minimal Noise

Engineered for tranquility, our fan clutch guarantees an operation that is not only smooth but also quiet. It considerably diminishes vibrations and noise, hence elevating the quality of your driving experience and ensuring a serene journey throughout.

#### Engineered for Peak Performance

Specifically designed to enhance your vehicle's cooling system efficacy, our fan clutch plays a pivotal role in boosting radiator performance. This supports your engine to run seamlessly and averts the risks associated with overheating, safeguarding against potential damage.

## Applications:

### Cooling Fan Clutch Overview

The **cooling fan clutch** is an integral component within the realm of *automotive engines*. This device operates under the umbrella of mechanical systems designed to manage the pivotal task of cooling. Recognized for its precision, the clutch system serves a specific role in maintaining optimal engine temperatures.

#### Functionality of the Cooling Fan Clutch

At its core, the clutch's function is to control the *engine cooling fan's* dynamics. The device is engineered to adjudicate the fan's speed in tandem with its operational engagement. As the heart of the vehicle's temperature regulation, the cooling fan's modulation is imperative to safeguarding the engine from overheating.

#### Regulation According to Engine Demand

The sophisticated mechanism of this clutch is sensitive to the varying thermal requirements of the engine. By responding directly to the engine's escalating heat, it adjusts the cooling fan's pace and activation. In essence, the clutch enables the fan to operate more rigorously during high temperature conditions, while scaling back its intensity when the engine is cooler.

## 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?

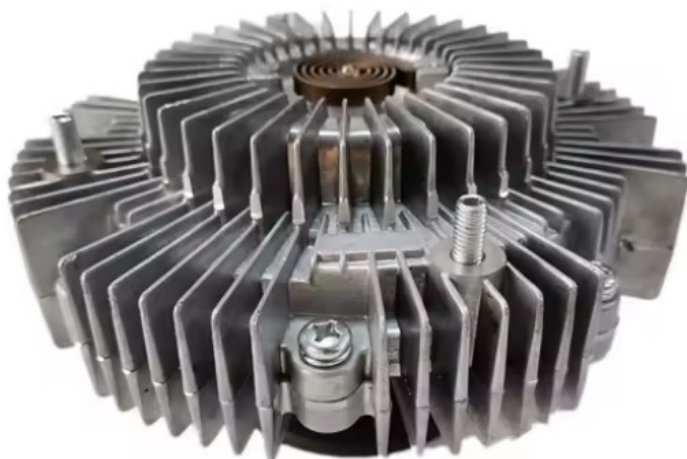
Always a pre-production sample before mass production;  
Always final inspection before shipment.

### 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

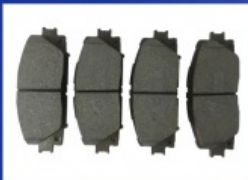
## PRODUCT SPECIFICATIONS





## 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 Bearing

## 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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