



Engine Cast Iron Bracket Main Bracket Manufacturer Commercial Vehicle

Our Product Introduction

for more products please visit us on dongfengtorsionaldamper.com

Basic Information

- Place of Origin: China
- Brand Name: Dongfeng
- Certification: IATF 16949:2016
- Model Number: 10A-01040
- Minimum Order Quantity: 100 piece
- Packaging Details: Wooden box packaging
- Delivery Time: Spot goods
- Payment Terms: T/T
- Supply Ability: Annual production of 500000 pieces



Product Specification

- Material: Cast Iron
- Tensile Strength: High
- Warranty: 5 Year
- Operating Temperature: -40°C To 120°C
- Included Components: Bracket, Bolts
- Machinability: Easy
- Country Of Origin: China
- Vibration Resistance: Yes
- Compressive Strength: High
- Compatibility: Fits Most Engines
- Density: High
- Certifications: IATF 16949:2016
- Durability: High
- Highlight: **main bracket Engine Cast iron Bracket, Manufacturer Engine Cast iron Bracket,**



Product Description

Engine cast iron bracket: a solid support for the engine

In the automobile industry, the cast iron engine bracket is one of the important components of the engine system. It not only supports and fixes the engine, but also absorbs vibration, reduces noise and protects the engine. This article will provide an in-depth introduction to the structural characteristics, functions, manufacturing processes and wide application of engine cast iron brackets in the automotive field.

Structural features:

Engine cast iron brackets are usually made of cast iron materials, and their structural design takes into account the requirements of bearing the weight of the engine and various dynamic forces. Its main features include:

Strong and stable: The cast iron bracket has high strength and rigidity, can withstand the weight of the engine and various external loads, and maintain a stable structure.

Vibration reduction and noise reduction: The engine will generate vibration and noise when working. The cast iron bracket, through its quality and structural characteristics, can effectively absorb and reduce vibration transmission, reduce engine noise, and improve driving comfort.

Corrosion resistance and wear resistance: The surface of the cast iron bracket is usually treated with anti-corrosion treatment to enhance its corrosion resistance; at the same time, through reasonable design and processing, it can reduce friction and wear caused by engine operation.

Complex structure: The design structure of the engine cast iron bracket is relatively complex, taking into account the installation position and connection method of each component of the engine to ensure the safety and stability of the engine function:

Supporting the engine: The cast iron bracket is responsible for the important task of supporting and fixing the engine. It firmly installs the engine on the car chassis to ensure the stability and safety of the engine during driving.

Absorb vibration: Various vibrations are generated when the engine is working. Through its structure and material characteristics, the cast iron bracket can absorb and reduce the transmission of vibration, reducing the impact of engine vibration on the vehicle.

Reduce noise: The quality and structural design of the cast iron bracket can effectively reduce the noise generated by the engine and improve the driving comfort and riding experience of the car.

Protect the engine: The cast iron bracket can provide effective protection when the engine is working, reduce engine damage caused by factors such as road bumps and collisions, and extend the service life of the engine.

Manufacturing process:

Mold design: To manufacture the cast iron engine bracket, you first need to design the mold. The design of the mold should take into account the shape, size and internal structure of the bracket to ensure the accuracy and quality of the casting.

Casting: Casting is a key step in the manufacture of cast iron engine brackets. Molten iron is injected into a pre-made mold, and then cooled and solidified to form a casting.

Heat treatment: After casting, heat treatment is usually required to improve its structure and performance, and increase strength and wear resistance.

Mechanical processing: After the cast iron bracket is initially formed, it needs to undergo precision mechanical processing, including milling, drilling, turning and other processes, in order to achieve the size and surface quality required by the design.

Surface treatment: Finally, cast iron brackets may require surface treatment, such as anti-corrosion paint or coating, to improve their corrosion resistance and aesthetics.

Applications in the automotive field:

Cast iron engine brackets are widely used in various types of automobiles, including cars, trucks, buses, etc. They not only ensure the stable installation and operation of the engine, but also improve the safety and driving comfort of the car.

With the continuous development of automotive technology, future engine cast iron brackets will continue to develop in the direction of being lighter, higher strength, and more intelligent. It is expected that more advanced materials and manufacturing processes will be used to meet the ever-increasing requirements of automobiles for performance, safety and environmental protection, and to contribute to the sustainable development of the automobile industry.



Dongfeng (Shiyan) Torsional Damper Company Limited



gjh.8266@163.com



dongfengtorsionaldamper.com

10th Floor, Building B, Donghe Center, Dongfeng 3rd Road, Wuhan Economic and Technological Development Zone, China