Ball Bearing & Idler Pulley Aftermarket Manufacturing

By Ready-Market Online Corp.
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"Ball Bearings & Belt Tensioner" What are the most purchased automotive aftermarket products - ball bearing, idler pulley, belt tensioner, wheel bearing, clutch bearing, transmission bearing, wheel hub bearing, pulley tensioner, and lubrication.

Bearings may be classified broadly according to the motions they allow and principle of operation as well as by the directions of applied loads they can handle. Generally, they are ball bearing, car engine bearing, car wheel bearing, belt tensioner bearing, clutch release bearings, clutch bearing, NTN bearing, NTN ball bearing and other special bearings.

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* For automotive bearing types, there are: Gearbox bearings
* Wheel hub ball bearings
* Water pump bearings
* Clutch release bearings
* Suspension bearings
* Needle bearings for automotive
* Needle roller bearings
* Taper roller bearings

Automotive Bearing - Ball Bearing

There are many types of bearings. Ball bearings are probably the most common type of bearing. They are found in everything from inline skates to hard drives. These bearings can handle both radial and thrust loads, and are usually found in applications where the load is relatively small. While tolerance is an important factor in the performance of a bearing, there are many other factors that also affect the suitability of a bearing to its application. Most ball bearings are single-row designs. Some double-row designs are available but they need better alignment than single-row bearings.

Automotive - Clutch Bearing / Clutch Release Bearing

An automotive clutch release bearing is a major part of auto vehicle. With the development of the auto industry , different types of clutch release bearings have been developed to meet different situation. It has developed from the type of low speed unit with non-self-aligning, free outer ring, cast iron sleeve, integral of the inner ring and the sleeve, today clutch release bearings with self-aligning, rotational inner ring, pressed cover, pressed sleeve or plastic sleeve have been developed to operate under high rotational speed reliably. It achieves components integrality by reducing the weight, cost and also offering a reliable operation and long service life.

Automotive Bearing - Wheel Bearing

If you want to your car to be smooth to drive, make the wheel bearing particularly one of your priorities. Wheel bearings hold your wheels on and allow them to spin properly. They are not an automotive component to be taken lightly. Most wheel bearings are sealed at the factory and don't require replacement until, perhaps, 150,000 miles.

A bad wheel bearing will typically make grinding, whining or squealing noises, and you can often feel the looseness. Once the part fails, find immediate replacement for your wheel will not run properly without working sets of wheel bearings. Investing with premium and high grade wheel bearing replacements could instantly restore or re-establish the handling features of your vehicle. On your next scheduled replacement, you need to consult a qualified service technician to securely and properly fit heavy duty wheel bearing replacements. Turning to pros not only ensures proper alignment and installation, they could optimize the service life of your selected bearing replacements which could yield huge savings on less frequent replacement. In fact, you may replace your wheel bearing set more than once throughout its life efficiency for preventive maintenance. When you shop for your next scheduled bearing replacements, click on our 24/7 online shopping store so you can complete your general automotive needs by sealing premium wheel bearing deals any time or day.

By minimizing the friction that goes with metal to metal surface contacts as your car rotates, the functionality of the part is crucial to the overall performance of your vehicle. Keeping the part periodically greased or re-packed every two years, which is equivalent to 24,000-mile service, is essential to keep it in top notch working conditions. Proper greasing could also facilitate efficient flushing mechanisms to do away with any form of contaminants which can induce wearing and corrosion.
belt tensionertiming belt tensionerautomatic belt tensioneridler pulley
Timing Belt

For the most part, timing chains rarely need replacing and their properties allow for minimal timing variances even at lofty engine speeds. But chains can be far noisier when compared to timing belts. Timing belts on the other hand are quieter but tend to flex and require a bit more attention than chains do. Most timing belts should be replaced somewhere in the 60,000 mile range. This is especially important when dealing with interference engines in which both the pistons and valves occupy the same space at different times. Snap a belt, or even slip a couple of teeth and you can say goodbye to an otherwise perfectly running engine. Vibrant Performance's adjustable timing belt tensioner gets rid of the flap the easy way.

Although it's not necessary to replace the timing belt when installing Vibrant's tensioner, now's certainly a good time. The added tension on the belt could cause premature wear on a belt that's seen better days. It's important to mention here that Vibrant's adjustable tensioner simply augments Honda's original timing belt tensioner; it doesn't replace it. Timing belt equipped engines make use of either a hydraulic filled, piston-type tensioner or a sliding bearing type tensioner. It's important that the OEM-issued tensioner is in good working order and installed properly for the Vibrant piece to work correctly. When tensioning a timing belt using the OEM-supplied tensioner, you need to follow the service manual carefully.
Timing Belt Tensioner

In auto part aftermarket, there are different designs for timing belt tensioner. New timing belt tensioner design is based on the fixed motor principle that relies on a movable idler to properly tension the belt rather than tensioning with a motor mounted to a moving slider plate.

The new design takes the guess work out of changing and adjusting a spindle drive belt in the field. The tensioner is factory set to take the guess work out of setting drive belt tension. Pre-drilled and aligned tensioning brackets ensure the new belt is set to original specifications eliminating the possibility of over-tensioning a spindle drive belt- a very common cause of spindle failure.

Idler Pulley

Idler pulleys are used to take up slack, change the direction of transmission, or provide clutching action.

Idler pulleys are rollers that do not produce any mechanical advantage, nor transmit power to a shaft. Idler pulleys are used to lead a chain around a bend or to take up slack in a drive chain. There are many types of idler pulleys. Examples include an industrial idler pulley and a metric idler pulley. An industrial idler pulley is a pulley on a shaft that rests on or presses against a drive belt to guide it or take up slack specifically used in industries. A metric idler pulley is a pulley system that helps in connecting to distant points through an idler pulley. Idler pulleys are produced in a variety styles such as, V-belt, plain, flat, and cable style. V-belt idler pulleys are designed for strength and durability.
Pulley Tensioner

A pulley tensioner for applying torque or tension to a pulley includes a spring system configured to encircle the periphery of the pulley. The spring system is anchored to the pulley housing or some other fixed location. The spring system is made up of one or more coil springs which are wrapped around the periphery of the pulley. Where multiple springs are used, preferably each spring has a different spring constant and length. This allows the operator to select the desired tension depending upon the operating parameters of the printer. The applied tension may be further modified/tuned by using an additional spring member to anchor the spring system to the pulley housing or some other fixed location.

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Email	Click to contact author
Phone	886-2-27484387
Fax	886-2-27486261
Address	Room 8, 7F., No.141, Sec. 1, Keelung Rd.,
City/Town	Taipei
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