M543-C

MITSUBOSHI®

AUTOMOTIVE BELTS

MITSUBOSHI

For 90 years, MITSUBOSHI has grown to be one of the world's largest belt manufacturers.

Mitsuboshi Belting Ltd. began business in Kobe, Japan, in 1919. Over the years sales and service have been strengthened, business has grown together with its markets, and production systems have continuously improved.

Today Mitsuboshi Group operates around the world, and looking into the 21st century and beyond, we see the group becoming an important contributor to more affluent lifestyles worldwide.

HIGH PERFORMANCE HIGH PRECISION

Around the Globe the World's Best Companies Trust Mitsuboshi to Provide Industry Leading Belting Products...You Should Too!

Established in 1974, MBL (USA) Corporation has enjoyed continuous growth through the years. This growth and increasing demand for MBL (USA) quality products provided the base for construction of the Illinois Manufacturing Plant which began production in March, 1988.

Belts manufactured at this plant include all types of V-Belts, V-Ribbed belts and Timing Belts for both original equipment and service parts in the automotive and industrial markets. In addition to supplying the North America Market, products are exported to many countries worldwide.

MBL (USA) has been the recipient of numerous quality and service awards from the world-class companies it supplies. The consensus of customers and visitors from major corporations around the world has been that this plant is truly world class in all areas - technology, equipment, automation, process control, quality control and the like.

Mitsuboshi maintains the most strict quality standards; our domestic and overseas factories have obtained ISO 9001 or ISO/TS 16949 quality certification in addition to ISO 14000 environmental certification.

HIGH QUALITY HIGH PERFORMANCE

Timing Belts offer numerous advantages over chain and gear drives: greater efficiency, reduced weight, quieter operation and fuel savings

Stable, high tensile strength synthetic cords resist shrinking and stretching

Constant synchronous power is assured with precision molded teeth that perfectly mesh with pulley grooves pitch, width and length

Special materials assure durability and performance in a hot and oily environment

OHC Timing

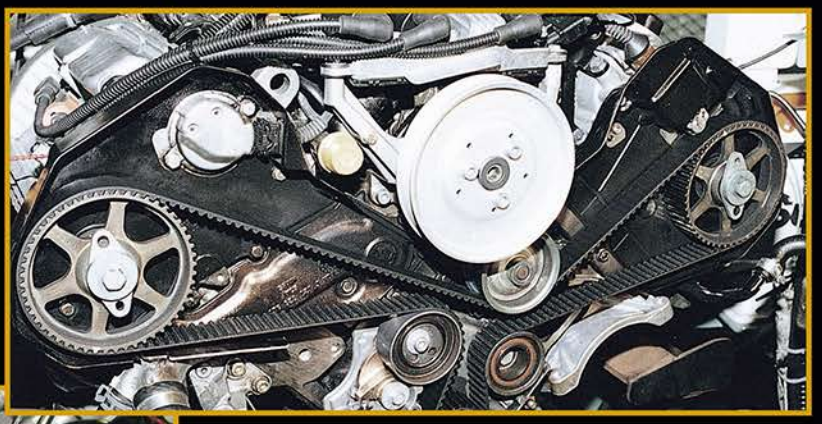
CONSTRUCTION

Tensile Cords
High tensile strength fiberglass or aramid cords resist stretching and shrinking

Material
Durability, performance and reliability in tough engine environments

Facing
Wear resistant fabric protects the tooth surface and keeps frictional loss at a minimum

Mitsuboshi Belting Ltd.
OHC Timing Belt



Mitsuboshi Belting Ltd.
V-Ribbed Belt

HIGH PRECISION HIGH QUALITY

V-Ribbed Belts combine the benefits of flat belt flexibility with the power transmission capability of the v-belt

V-Ribbed Belts provide the ultimate in belt design for use on todays modern engines where space and weight are critical

- Accessories can be driven from the top or bottom side of the belt enabling compact designs
- Top or backside ribs are capable of handling high load accessories

Rubber compounds are formulated to reduce noise caused by humid conditions and worn pulleys

Proven reliability on drives with or without automatic tensioners

Optimum flexibility provides greater heat dissipation which insures longer operational efficiency for one belt drive systems

CONSTRUCTION

Top Fabric (V-Ribbed only)
Flexible, bias cut fabric is impregnated with oil and heat resistant rubber to eliminate wear and cracking

Adhesion Rubber
Cords are enclosed in an oil and heat resistant rubber compound with strong adhesive qualities for maximum cord support and long life

Tensile Cords
High tensile strength aramid or pre-stretched polyester cords insure high horsepower capacity and constant belt tension on spring tension systems and locked center drives

Rib Rubber
Rib rubber is reinforced with fiber chips and heat resistant rubber compound for wear resistance and reduced noise

Raw-Edge Cogged & Raw-Edge Multi-Ply
A proven, cost-effective design that is the preferred option on many applications

Popular on trucks, agricultural units, heavy equipment and other applications where large gasoline and diesel engines are used

Optimum flexibility provides greater heat dissipation which insures longer operational efficiency. Cogged design provides area for air circulation further reducing heat build-up and provides greater flexibility.

Variable spacing of cogs provides improved belt performance by reducing noise and tension decay

Still maintains a strong replacement market for older cars produced before v-ribbed belts were introduced

CONSTRUCTION

Top Fabric
Strong, wear resistant bias cut fabric designed for protection without loss of flexibility

Tensile
High tensile strength, pre-stretched polyester cords for reduced stretching and constant tension

Compression Rubber
Reinforced with fiber chips to provide high coefficient of friction, wear resistance and greater flexibility. Insures a smooth and even transfer of load forces to the cords

Bottom Fabric
Crack resistant, highly flexible fabric is impregnated with oil and heat resistant rubber compound. Laminated construction insures a strong bond and reduced noise

Rubber Sides
Eliminate slip and maintain a positive contact with the pulley grooves for constant, reliable energy transfer

MBL (USA) CORPORATION

601 Dayton Road, Ottawa, IL 61350
Phone: (815) 434-1282
Toll Free Call: (877) 625-7832
Fax: (815) 434-2897
sales@mblusa.com

M5430400906US0546775
Printed in USA