IRONMAN 4X4 SUSPENSION SUSPENSION COMPONENTS



Suspension Components

TORSION BARS

Higher spring rate to support extra weight from additional vehicle accessories

UP-SET FORGED ENDS - Stronger than machining alone, forging manipulates steel grain for superior strength and durability.

PREMIUM MICRO-ALLOY STEEL - Exceeds 0EM steel grade for ultra long

INCREASED BAR DIAMETER - Higher spring rate better supports added accessories and balances front and rear suspension performance.

X-RAY EXAMINED - Each and every Ironman Torsion Bar is X-Ray tested to eliminate risk of breakage due to material flaw.

DIRECTIONAL PRE-SETTING - Torsion Bars are rotationally pre-set in their direction of installation to reduce spring settling. Each bar is marked for left

POLYURETHANE BUSHES

INJECTION MOULDED POLYURETHANE - High density injection mulded polyurethane material ensures precise location and a durable bearing surface for your leaf springs, making them very durable in hot temperatures whilst pro

GREASABLE - Polyurethane bushes are greasable to aid in longer life and ensure smooth ride and quiet operation.

SPIRAL BORE AND FLANGES - To distribute lubricating grease evenly throughout the bushing surface when combined with greasable shackles and

SPLINES - Allows the bush to conform to irregularities and grip to the eye

GREASABLE SHACKLES AND PINS

Enables easy re-greasing of polyuretha

QUAD-OUTLET GREASABLE - Greasable shackles provide an easy method of re-lubricating polyurethane bushes. Chamfered Quad-Outlet ports distribute grease liberally along the bush surface.

SERVICEABLE - All Ironman shackles and pins feature a serviceable bolt

ANTI-INVERSION SHACKLE - On selected models, a third pin is position on the shackle to protect the spring in the case of inversion.

CASTER CORRECTION PLATES

PRE-CONFIGURED CASTER CORRECTION - Fixed 5 degree offset models suit 100mm (4") to 150mm (6") lifted suspension.

POLYURETHANE COIL SPRINGS SPACERS / TRIM PACKERS

Available individually to adjust "side to side" o "front to back" vehicle lean due to uneven load

INJECTION MOULDED POLYURETHANE - High density injection moulded polyurethane material ensures precise location and a durable seat with the spring.

PRE-CONFIGURED THICKNESSES - Varied thicknesses allow corn selection according to the amount of lean. Provides 1:1 ratio suspe on solid axle vehicles.

SELF LOCATING DESIGN - Raised profile locating flanges prevent packet from becoming dislodged or falling out.

STRUT TRIM PACKERS

For use only with Ironman 4x4 struts, available individually to adjust "side to side" or "front to back" vehicle lean due to uneven load placeme

PRECISE RIDE HEIGHT TUNING - Basic steel collar design fits over Ironman 4x4 struts to adjust spring seat height.

PRE-CONFIGURED THICKNESSES - Varied thicknesses allow correct selection according to the amount of adjustment required. Usually provides 1:2 ratio suspension lift on independent suspension vehicles.

EXTENDED BRAKE HOSES

DOT SAE J1401 STANDARDS APPROVED CONSTRUCTION - OEM style

EXTENDED LENGTH - Extended length allows for greater suspension

ADJUSTABLE TRAILING ARMS

COMPETITION SPEC - 32mm solid rod used th

FINE THREAD ON-VEHICLE ADJUSTMENT - M32 x 2mm thread ensures precision adjustment for greater accuracy.

OEM STYLE RUBBER BUSHES - Maximum flex and durability. Replaceable

CASTER WEDGES

Adjusts the caster angle within solid axle vehicles, or changes pinion angle to remove unwanted driveline vibration

AVAILABLE IN - 1, 2, 3 and 4 degree increments.

STEERING DAMPER

FOAM CELL TECHNOLOGY - Micro-Cellular closed cell foam insert allows for the horizontal mounting orientation required by a steering damper.

35mm TEFLON BANDED PISTON - Precision shim-stack piston specifically valved by Ironman suspension engineers, banded with Teflon for smooth for

54mm TWIN TUBE BODY - Increased oil volume improves cooling and endurativin tube construction protects internal components from impact damage.

SUPPLEMENTARY WELDED MOUNTS - Fusion welded and supplementary welded for maximum strength and reliability.

SINGLE PIECE BILLET EYE RINGS AND STEMS - Ultra robust design

VEHICLE SPECIFIC VALVING - Every part number is specially valved for each vehicle application, this ensures the steering operation is smooth and unhindered by the effects of rough road driving.

CASTER CORRECTION BUSHES

Available in adjustable or fixed offset designs, used to correct caster angle after raising suspension

PRE-CONFIGURED CASTER CORRECTION - Fixed 2 degree offset models suit 50mm (2") lifted suspension.

ADJUSTABLE CASTER CORRECTION - Adjustable offset suit a wide range of lift heights up to 100mm (4")

HIGH DENSITY MATERIALS - Vehicle specific rubber or polyu

ADJUSTABLE PANHARD RODS

Used to correct axle shift after rais suspension. Adjustable as required re-centralise axle to vehicle

COMPETITION SPEC - 32mm solid rod u

FINE THREAD ADJUSTMENT - M32 x 2mm thread ensures precision

OEM STYLE RUBBER BUSHES - Maximum flex and durability. Repla OEM style bushes.

EXTENDED SWAY BAR LINKS

Recalibrates sway bar index after raising suspension.

VEHICLE SPECIFIC BOLT ON DESIGN - Easy fitment, utilises OEM mounting

Cherry

ADJUSTABLE LENGTH - Adjustable extension where possible depe

PRACTICAL DESIGN - Strongest construction up-spec materials to avoid bending and breaking. Rubber bushes and aircraft grade spherical bearings used where possible depending on vehicle model.

SWAY BARS

Enhanced performance direct replacement sway bars featuring maximum bar diameter with factory compatible filtr

SHORE A 70 DURO NR - Bushes maximum flex and durability

ADJUSTABLE STEERING RODS

Adjustable length rod to centralise steering wheel after suspension lift.



ADJUSTABLE LENGTH - Compatible with all suspension ride heights.

STRONGER CONSTRUCTION - Reduces likelihood of failure due to impact

BOLT ON STEERING DAMPER MOUNTS - Steering damper mounts can be positioned freely as required to suit suspension lift.

STRUT MOUNTS

Direct replacement for the OEM mounts Facilitates the pre-assembly of complet struts without disassembly of old unit.

FULLY OEM COMPATIBLE - Easy Installation

SHORE A 80 DURO NR BUSHES & INSULATORS - Extended durability and

HEAVY DUTY WASHERS - Resists deformation in extreme use

ADD-A-LEAF

Additional universal tapered leaf to upgrade existing leaf springs.

Eliminates suspension sag and supports

Improves - Comfort and handling

Increases load carrying capability and ride height.

RUBBER BUSHES

Direct replacement for the OEM bushes tible with OEM and Ironm

OEM STYLE RUBBER BUSHES - Easy press in replacement bushes, retains

Provides corrected wheel alignment and greater operating clearance, allows for the installation o larger tyres and further increases ride height.

HIGH STRENGTH FORGED ALLOY - Stronger and more durable than a cast

BUSHES AND BALL JOINT - Replaceable with 0EM compatible or genuine











