

PRODUCT RELEASE

Date:

September 2015

Description:

OME BP-51 High Performance
Bypass Shock Absorbers

Application:

Ford Ranger/ Mazda BT-50

Part No. :

Refer to Table

Price:

Refer to Table

Product Group:

Refer to Table

Availability Date:

Limited Qty Available January
2016



Product Specification

BP-51 now released for Ford Ranger/Mazda BT-50. Old Man Emu is pleased to release the latest application of BP-51 High Performance Bypass Shock Absorbers engineered specifically for the Ford Ranger and Mazda BT-50. Consisting of 2 Coil overs, 2 shocks and 2 fits kits this application will fit both the Ford Ranger and Mazda BT-50 for all year models from 2010 onwards including the recent facelift Ranger.

Front coil overs have been developed as a left and right application for ease of fitment and placement of reservoirs. It is worth checking if fitting larger diameter tires ensure there is sufficient clearance between the tire sidewall and reservoir making sure no contact can occur at full steering lock.

Rear shock absorbers have been tuned to match the existing range of rear Old Man Emu springs and recommended compression and rebound settings can be found in the supplied fitting instructions for the various spring options available. The fitting instructions also include detailed information for correct installation of the shock absorber and reservoir placement. Please note there is a left hand and right hand application due to the different reservoir mounting method and locations.

Part numbers:

Part No.	Description	Barcode	Qty Required	Product Group
BP5190005R	C/OVER: RANGER/BT-50 2010 ON FR RH	9332018037121	1	286
BP5190005L	C/OVER: RANGER/BT-50 2010 ON FR LH	9332018037138	1	286
BP5160004R	SHOCK: RANGER/BT-50 2010 ON REAR RH	9332018037145	1	287
BP5160004L	SHOCK: RANGER/BT-50 2010 ON REAR LH	9332018037152	1	287
VM80010011	KIT: RANGER/BT-50 FRONT	9332018037169	1	321
VM80010012	KIT: RANGER/BT-50 REAR	9332018037176	1	321

Old Man Emu brings racing technology to every day applications:

BP-51 (Bypass 51mm diameter bore) shock absorbers feature revolutionary, patent pending technology developed to deliver unparalleled on and off road performance for your 4x4.

Developed and extensively tested under the harshest conditions in Australia, these big bore, position sensitive bypass shock absorbers with remote reservoir are designed to bolt onto your vehicle without any vehicle modifications and combine considerable ride comfort around town with significant amounts of end-zone damping for exceptional chassis control and handling off road.

The damping performance is easily adjustable across a wide range in both rebound and compression, resulting in significant changes to the ride performance of your vehicle, enabling a custom tune to suit the conditions and vehicle set up. The body, reservoir and components are all made from 6061 T6 aluminium, Type 3 40 micron hard

Design & Development:

The OME engineers were set a challenge to design a high performance shock absorber for the modern day vehicle. With more and more vehicles moving to an independent front suspension set up, the challenge grows as you have limited travel and restrictions to what you can actually fit within a coil over strut set up.

With traditional velocity sensitive shock absorbers, achieving exceptional ride quality and the balance between comfort and control tuning requires a great deal of time and effort, with many valving changes required to get the balance correct. You still end up with a compromise with either a slightly firmer controlled set up or softer comfort orientated result.

Bypass technology exists to overcome some of these ride quality challenges but presents a new challenge as traditional multiple bypass tube products simply won't fit inside a coil over independent front or many rear shock absorber applications.

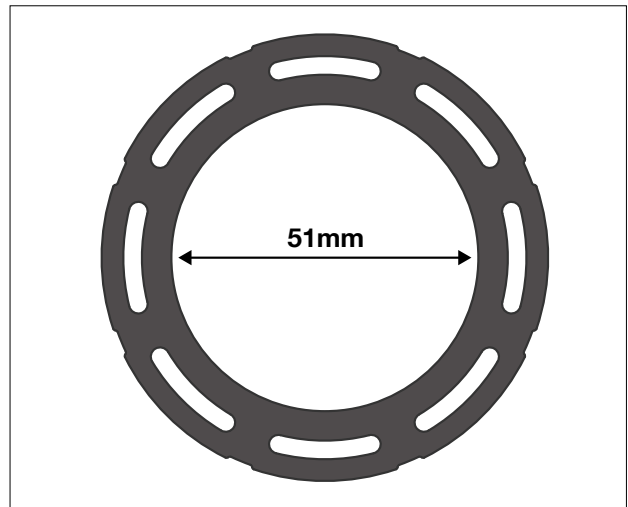
Other areas that had to be considered were corrosion, heat dissipation, durability and how do you cater for individual ride preferences or vehicle loading scenarios. The product also needs to easily bolt into a large range of vehicle applications without modifications to the actual vehicle

After 4 years of extensive design, development and testing the challenge has been met and it's called BP-51



Internal bypass, shim controlled, position sensitive damping (patent pending):

- Provides comfort at ride height
- Damping increases as you get closer to the end zone
- Increased control at end zones



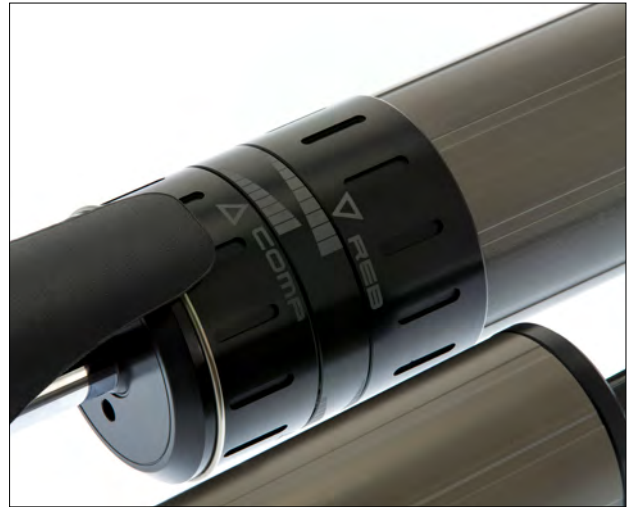
Kidney bypass ports/51mm bore diameter:

- Maximum bore size & Bypass Diameter
- Greater oil volume
- More tunable, ability to generate force



Vehicle specific applications:

- No fitting modifications required
- Fit kits included



External compression and rebound adjustment:

- On car adjustable
- Independent adjustment of compression and rebound
- Ultra wide range to suit varying loads and ride preferences



Body/Reservoir/Components 6061 T6 Aluminium:

- No restriction of oil flow



Type 3 40 micron hard anodised finish:

- Corrosion resistance
- Abrasion resistance to stone damage



DASH 6 high temperature Teflon hose with high flow fittings:

- No restriction of oil flow



Large Teflon lined spherical bearings:

- Durability

NOTE: Coil over applications only



Adjustable spring preload / ride height:

- No restriction of oil flow



Type 3 40 micron hard anodised finish:

- Corrosion resistance
- Abrasion resistance to stone damage



Impact resistant, replaceable shaft guard:

- Protects against stone damage

Additional features:

Quality oversized rubber bushings:

- Durability

100% re-buildable and re-valveable:

- Longevity
- Tuneability

High Temperature Viton and Teflon seal pack:

- Durability of seals

High performance, high viscosity index oil:

- Durability and consistency of performance
- Strength



19mm Hard chromed ground shaft:

- Low friction
- Strength

51 mm bore diameter:

- Greater oil volume
- More tunable, ability to generate more force

1900MPa polished, high strength, high fatigue shims:

- Durability

3 year/60000 km warranty

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