

## PRODUCT RELEASE

**Date:**

May 2018

**Description:**

Old Man Emu BP-51 High Performance  
Internal Bypass Shock Absorber

**Application:**

Toyota Land Cruiser 80 Series

**Part No. & Barcode:**

Refer to Table

**Price:**

Refer to Table

**Availability Date:**

July 2018



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# Product Specification

## **ARB 4x4 Accessories is proud to announce BP-51 suspension for the Toyota Land Cruiser 80 Series.**

Old Man Emu (OME) is pleased to release the latest application of BP-51 High Performance Internal Bypass Shock Absorbers engineered specifically for the Toyota Land Cruiser 80 Series. This package consists of 2 front shocks, 2 rear shocks and 2 fit kits. Two different lift versions will be available with the first version suitable for lifts up to 50mm (2 inch) and the second-long travel version suitable for lifts of 75-100mm (3 to 4 inch).

The shock for the 80 Series has been tuned specifically to the vehicle geometry, weight and OME coil springs. Extensive testing was conducted to ensure the vehicle has a high amount of roll control but still provides the plush ride of the BP-51 Shock Absorber. Extensive off road testing was also conducted to ensure that the vehicle can handle a wide variety of terrain for years to come.

The front shock has been designed with a simple reservoir bracket that mounts to the top of the spring tower of all 80 Series models. The rear shocks have been designed with a simple bracket that mounts to the chassis rail. Recommended compression and rebound settings can be found in the supplied fitting instructions for loading scenarios that utilize the various spring options available. The fitting instructions include detailed information for correct installation of the shock absorber and reservoir placement.

## Some of the key areas to consider include but not limited to:

- Bump stop spacers
- Brake lines
- Wheel alignment and steering geometry
- Panhard length and axle location
- Shock body clearance
- Compatibility to other aftermarket accessories and driveline angles
- Coil entrapment

## Part Numbers & Barcodes

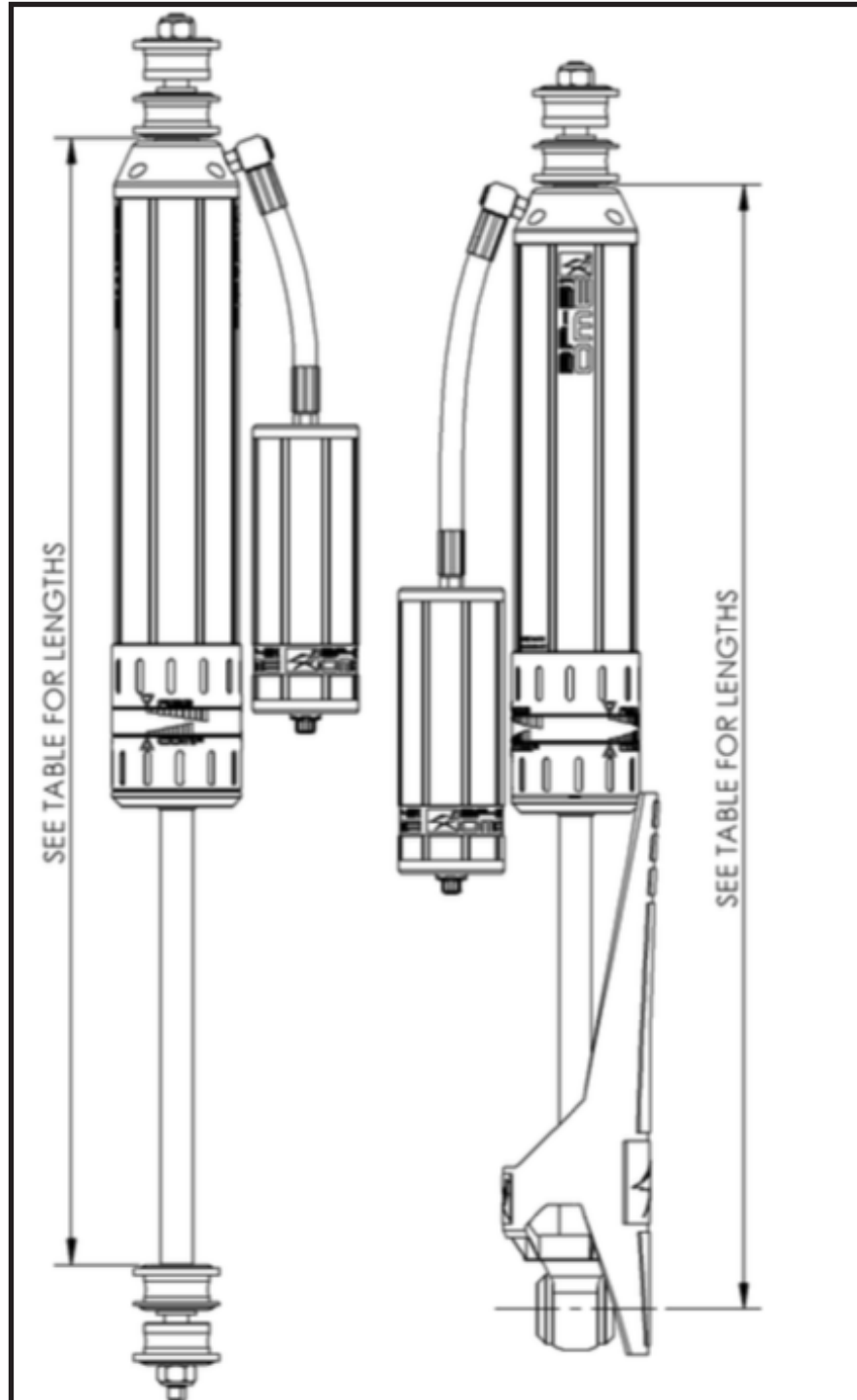
Part Number	Description	Barcode	Quantity	MSRP
BP5160012	SHOCK: LC80/105 FRONT	9332018054241	2	\$510.00
BP5160013	SHOCK: LC80/105 REAR	9332018054258	2	\$510.00
BP5160014	SHOCK: LC80/105 FRONT LONG	9332018054265	2	\$510.00
BP5160015	SHOCK: LC80/105 REAR LONG	9332018054272	2	\$510.00
VM80010025	KIT: LC80/105 FRONT	9332018054289	1	\$59.00
VM80010026	KIT: LC80/105 REAR	9332018054296	1	\$64.00

## Vehicle Specific Applications

- No fitting modifications are needed
- Fit kits are included
- All reservoir brackets have been integrated into the geometry of the Landcruiser 80 Series
- Included in the front fit kit, a brake relocation bracket has been included to provide clearance for the shock body at full compression

## Damper Specifications

Part Number	Extended Length	Compressed Length
BP5160012	24in	14in
BP5160013	24in	15in
BP5160014	26in	15in
BP5160015	26in	16in



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## BP-51 Key Features & Benefits

- Internal bypass, shim controlled, position sensitive damping
- Provides comfort at ride height
- Damping increases as you get closer to the end zones
- Increased control at end zones
- Kidney bypass ports / 2in bore diameter
- Maximum bore size and bypass diameter
- More tuneable, ability to generate force
- Vehicle specific applications
- No fitting modifications required
- Fit kits included
- External compression and rebound adjustment
- On vehicle adjustable
- Independent adjustment of compression and rebound
- Ultra wide range to suit varying loads and ride preferences
- Body/reservoir/components 6061 T6 aluminum
- Heat dissipation
- Corrosion resistant
- Type 3 40 Micron hard anodized finish
- Abrasion resistance to stone damage
- DASH 6 high temperature Teflon hose with high flow fittings
- No restriction of oil flow
- High pressure nitrogen reservoir with aluminum, anodized floating piston
- Increased oil volume
- Maximize travel
- Adjustable spring preload / ride height
- Cater for varying loads
- Impact resistant, replaceable shaft guard
- Quality oversized rubber bushings
- Large Teflon lined spherical bearings
- Durable
- 3 year / 37,000 mile warranty

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### USA OFFICE

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