



**4X4 ACCESSORIES**



**DATE:**

July 2015

**DESCRIPTION:**

OME BP-51 High Performance Bypass Shock Absorbers

**APPLICATION:**

Toyota Hilux- 2005+  
Toyota Land Cruiser 200 Series- 2007+

**PART NO. :**

Refer to Table Page 2

**PRICE:**

Coil Over Assembly- \$800  
Shock Absorber- \$510  
Vehicle Fit Kits - Refer to Table Page 2

**AVAILABILITY DATE:**

July/August 2015 (Table 2)



# PRODUCT SPECIFICATION

## ARB ANNOUNCES THE RELEASE OF OME BP-51 FOR TOYOTA 200 SERIES (2007+) & HILUX (2005+)

Bringing racing technology to your adventures, BP-51 (bypass 51mm diameter bore) shock absorbers feature revolutionary, patent-pending technology developed to deliver unparalleled on and off road performance.

Developed and tested extensively in some of Australia's most rugged environments, these big bore, position sensitive bypass shock absorbers with remote reservoir are designed to be fitted without any need for vehicle modification. This design combines considerable ride comfort around town with significant amounts of end-zone damping for exceptional chassis control and handling off road.

In addition to the velocity sensitive damping which is used in most shock absorbers, where the faster the piston moves, the higher the level of damping is generated, BP-51 shock absorbers also generate damping dependent on the position of the piston within the shock absorber's body via their internal bypass design.

This bypass design results in an ability for the shock absorber to provide the best of both worlds, with a comfortable and compliant ride during normal driving and a more controlled ride over challenging terrain. With greater levels of damping generated at each end of the stroke, the piston slows as it approaches full compression and extension, preventing harsh topping out against the bump stop and allowing large bumps and corrugations to be easily absorbed.

Damping performance is easily adjustable across a wide range in both rebound and compression, allowing the user to alter the vehicle's ride performance and cater for different road conditions and vehicle loading scenarios.

The body, reservoir and components are all made from aircraft grade (6061 T6) aluminum, with a type 3, 40 micron hard anodized finish, ensuring exceptional heat dissipation and resistance to corrosion and stone damage.

Designed, developed and tested entirely by ARB's team of Old Man Emu Ride Engineers. All BP-51 shock absorbers are manufactured in-house by ARB. In order to achieve this, significant investment has been made in state of the art machinery and hard anodizing equipment, allowing ARB total control of the manufacturing process to ensure the highest possible quality.

<b>TOYOTA HILUX 2005+</b>				
<b>Part No.</b>	<b>Description</b>	<b>Available</b>	<b>List Price</b>	<b>Qty. Required</b>
BP5190001L	C/OVER HILUX FR LH	Aug. 2015	\$800.00	1
BP5190001R	C/OVER HILUX FR RH	Aug 2015	\$800.00	1
BP5160001L	SHOCK HILUX REAR LH	Aug 2015	\$510.00	1
BP5160001R	SHOCK HILUX REAR RH	Aug 2015	\$510.00	1
VM80010001	BP KIT HILUX FRONT	Aug 2015	\$123.00	1
VM80010002	BP KIT HILUX REAR	Aug 2015	\$27.00	1
<b>TOYOTA 200 SERIES 2007+</b>				
<b>Part No.</b>	<b>Description</b>	<b>Available</b>	<b>List Price</b>	<b>Quantity Required</b>
BP5190003L	C/OVER LC200 FR LH	July 2015	\$800.00	1
BP5190003R	C/OVER LC200 FR RH	July 2015	\$800.00	1
BP5160003	SHOCK LC200 REAR*	July 2015	\$510.00*	2
VM80010003	BP KIT LC200 FRONT	July 2015	\$62.00	1
VM80010004	BP KIT LC200 REAR	July 2015	\$83.00	1
VM80010005	BP KIT LC200 KDSS	July 2015	\$60.00	1

\*ORDER A QUANTITY OF 2 TO COMPLETE A VEHICLE



## FEATURES:



## VEHICLE SPECIFIC APPLICATIONS:

- No fitting modifications required
- Fit kits purchased separately

## EXTERNAL COMPRESSION AND REBOUND ADJUSTMENT:

- Independent adjustment of compression and rebound
- Adjustable while installed on the vehicle
- Ultra wide range to suit varying loads and ride preferences



## BODY/RESERVOIR/COMPONENTS 6061 T6 ALUMINIUM:

- Heat dissipation
- Corrosion resistance

## TYPE 3 40 MICRON HARD ANODIZED 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:**

- Cater for varying loads

**NOTE:** Coil over applications only



**HIGH PRESSURE NITROGEN RESERVOIR WITH ALUMINIUM, ANODIZED FLOATING PISTON:**

- Increased oil volume
- Maximise travel



### **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



### **19MM HARD CHROMED GROUND SHAFT:**

- Low friction
- Superior Strength

### **HIGH PERFORMANCE, HIGH VISCOSITY INDEX OIL:**

- Durability and consistency of performance

#### **51 MM BORE DIAMETER:**

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

### **1900MPA POLISHED, HIGH STRENGTH, HIGH FATIGUE SHIMS:**

- Durability
- Strength

**3 YEAR / 60000 KM WARRANTY**

### **ADDITIONAL MEDIA:**

Learn more about the development of the BP-51 product line by watching this video...

[https://youtu.be/0D\\_MYVHxemQ](https://youtu.be/0D_MYVHxemQ)

## **ABOUT ARB 4X4 ACCESSORIES**

Founded in 1975 in Melbourne, ARB 4x4 Accessories is now Australia's largest manufacturer and distributor of aftermarket 4WD accessories. With products including bull bars, protection equipment, Old Man Emu suspension, Air Lockers, roof racks, canopies and recovery equipment, our primary mission is to prepare vehicles for the remote and harsh conditions typically encountered off road.