



1996-2002 Toyota 4Runner front & rear shocks compared.

Bilstein BE5-2451, 4Runner

Compressed 322.5mm (12.7")
Extended 513mm (20.2")

Travel: 7.5"

179/79 rebound/compression

Old Man Emu N86 Heavy Duty-Firm, Prado

Compressed 329mm (12.95")
Extended 539mm (21.2")

Travel: 8.25"

7 stage valving no numbers available

Rancho 9000X RS99187, 4Runner

Compressed 13.25"
Extended 20.5"

Travel 7.25"

Rancho RS5000 RS5187, 4Runner

Compressed 12.875"
Extended 20.750"

Travel 7.875"

Tokico Trek Master - GE3536, 4Runner

Compressed 11.75"
Extended 19.75"

valving info is proprietary

Monroe Sensa-Trac - M37157, 4Runner

Compressed 12.5"
Extended 20.00"

valving info is proprietary

KYB, Gas-A-Just, KG54317, 4Runner

Compressed 12.95"
Extended 20.11"

.1M/S .3M/S .6M/S
70/55 170/75 255/95

rebound/compression

KYB, MonoMax, 565002, 4Runner

Compressed 12.99"
Extended 20.23"

.1M/S .3M/S .6M/S
90/80 205/110 310/150

rebound/compression

Stock 1995 Toyota FZJ-80 Land Cruiser rear Tokico shock

1991-1997 FJ-80

Compressed 14.5"
Extended 23.5"

Bilstein B46-1478, Land Cruiser

1991-1997 FJ-80

Compressed 380mm (14.96")
Extended 591mm (23.27")

386/54 rebound/compression

This shock is too long when compressed. The seals will blow out due to over compression and the shocks will leak oil and be destroyed.

Old Man Emu N74E (firm) N71E (soft), Land Cruiser

1991-1997 FJ-80

Compressed 370 mm (14.4")
Extended 620 mm (24.2")

The difference in firm/soft is in the rebound, not the compression.

Rancho RS5208, Land Cruiser

1991-1997 FJ-80

Compressed 14"
Extended 22.5"
Travel 8.5"

Rancho RS99208, Land Cruiser

1991-1997 FJ-80

Compressed 14.65"
Extended 23.25"
Travel 8.625"

Bilstein B46-059R (8" travel) Reservoir Shock 7100 Series

Compressed 13.82
Extended 22.05

180/75 rebound/compression

14mm Plated

*Requires custom mounting. Both ends are round holes.



Stock 4Runner rear shock and Bilstein BE5-2451 rear shock.



Bilstein BE5-2451 rear shock and Old Man Emu N86 rear Prado shock. The N86 is the longest shock you can run without major modifications on a 3rd Gen 4Runner. The N86 is exactly 1" longer than the BE5-2451.



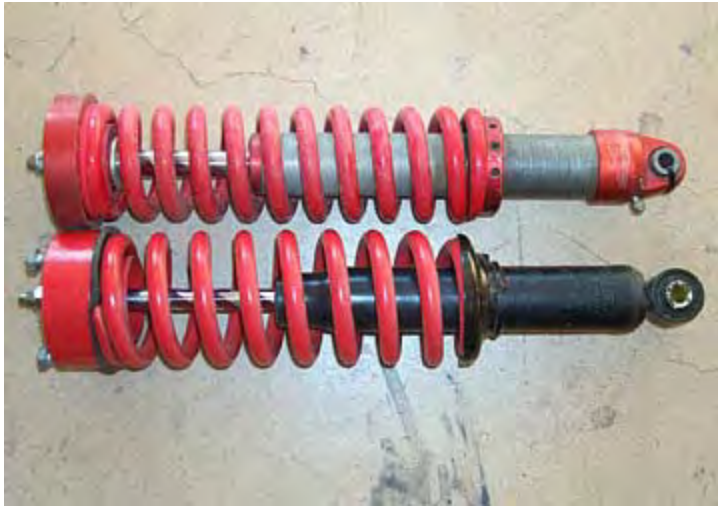
Stock 4Runner front shock and Bilstein BE5-2450 front shock. Bilstein, OME and Sway-A-Way all use the extended length design. King coil overs use the shorter stock length.



Old Man Emu N91S front shock and stock front shock. There is a blue Bilstein boot on the shock, but it is an OME shock.



Sway-A-Way Race Runner and Bilstein BE5-2450. Both are the extended length design.



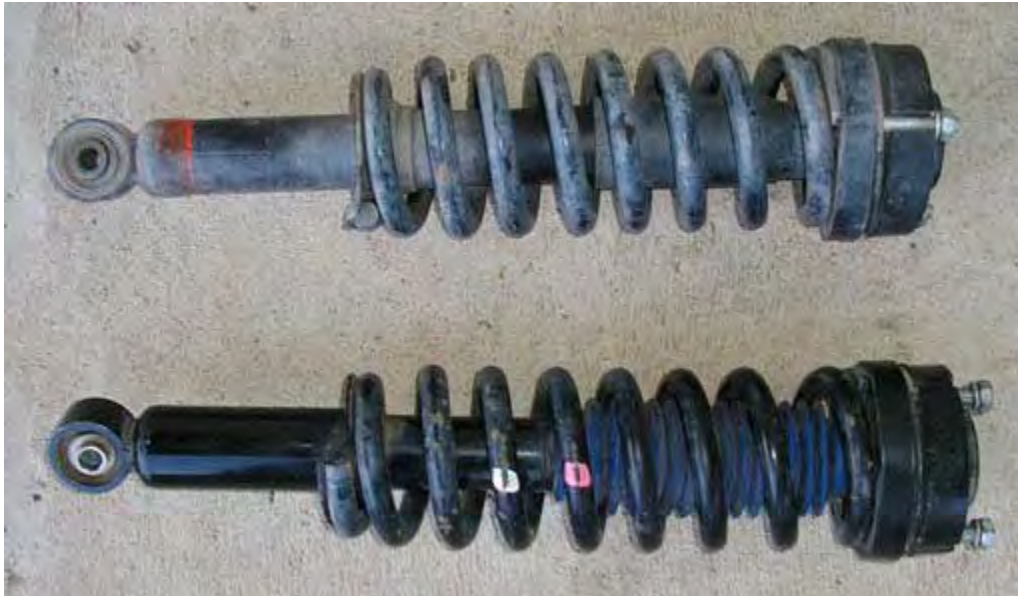
Sway-A-Way Race Runner and Old Man Emu N91S (painted black). Both are the extended length design.



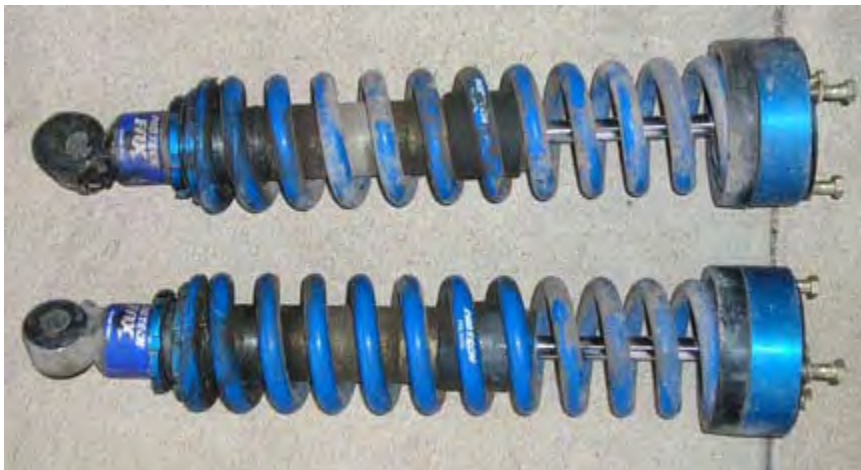
Bilstein BE5-2451, 4Runner (top) **Bilstein B46-1478**, Land Cruiser (bottom)



Tough Country Tacoma Shock (Top) with ball joint lower mount and **Stock 4Runner Shock** Bottom



Tough Country Tacoma Shock bottom with ball joint lower mount and **Stock 4Runner** Shock top



Fabtech-Fox Coil Overs

