

Please contact us at Rubbershox.com/contact immediately if you have any questions about installing Universal Rubber Bump Stop on your vehicle. We are a US company located in Southern California

(Do not Copy) UBS is Patent Pending. This instruction is part of an installation manual that is under Copyright Protection by RubberShox®
WARNING: Customers require common automotive safety practices during the installations, we recommend installation be done by a professional mechanical knowledge. RubberShox® hold no liability for actual automotive safety practices.
DISCLAIMER: RubberShox® Bump Stop products DO NOT increase vehicle load capacity. They are designed to equalize loads support OE suspension for more stability and increase ground clearance. Please refer to your vehicle's owner's manual for maximum load capacity for safe operation.

Installed Vehicle (see page 3)

Installed Vehicle	Installed Model Number
2019 Chevrolet Colorado 2x4	UB1+UB2 with Z1-UBS bracket (Optional Z1-UBS U bracket needed)
2015 Mercedes Springer 2500	UB13
2013 Ram Promaster 1500	UB1223

Required Tools List

BreakerBar, Drive Socket Set, Torque Wrench, Allen Wrench, Jack Stand, Lift, Wheel Stop, Safety Goggle, WD-40



Installation

1. Jack up the vehicle, measured the distance between frame and leaf springs. This case the measurement is 5.5" (Ref. to 1)
2. Install similar height as Original Bump Stops, Model UB1+UB2, drive soft, but more support when heavier load (touching the bump stops)
3. Customers with constantly heavy load suggest choosing UB13, UB123 or UB1223 to support more to vehicle suspension over stress.
4. Remove Original Factory Bump Stops (Ref. to 4) Choose one screw to fit



Skip this step if you have UB13(S)/UB123(S)/UB123(S)/ UB13(S)-80/ UB123(S)-80/UB123(S)-80

5. Applying Included Rubber Cement to each male and female interlocking grooves.
To ensure a stronger bond you may use rough sand paper between. 80 to 100 grit to the surface of the modular section to allow the adhesive to have more surface to grip and lock the pieces in place.
6. Push two modules with heavy force into one piece.
7. Make sure, the interlock grooves are completely joined, no gap



8. Your vehicle with optional Z1-UBS U-bracket. (Ref. to 8-1) Make sure screw complete into UBS body. 45mm screws were used in this installation. (Ref. to 8-2)



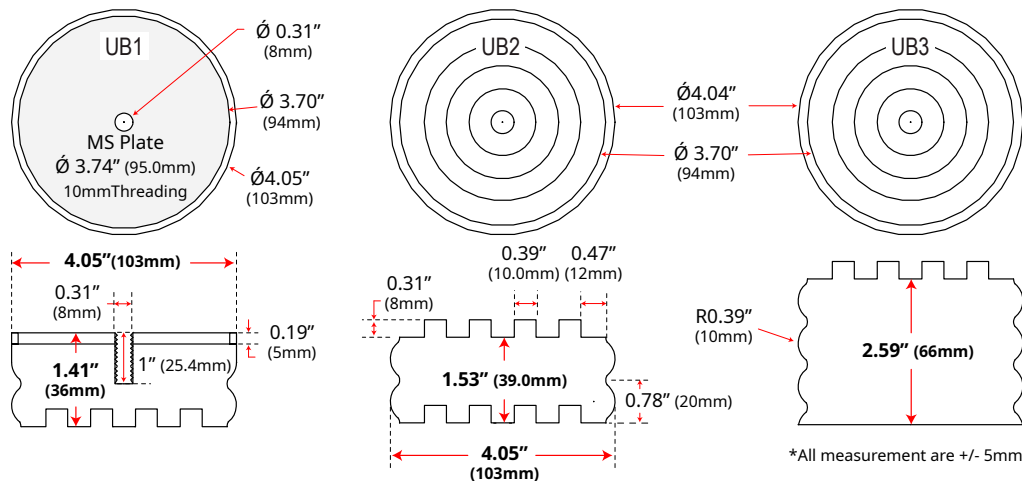
If not using locking nut you may use Thread lock (blue adhesive) before securing with normal bolt on vehicle.

Skip this step if your installation does not require Z1-UBS bracket.

9. Install the optional universal U-bracket (Z1-UBS) into the bump stop with included nuts. (Ref. to 9-1)
Tight two regular nuts on the screw first then use jam nut to tighten the bracket on bump stop. (Ref. to 9-2)

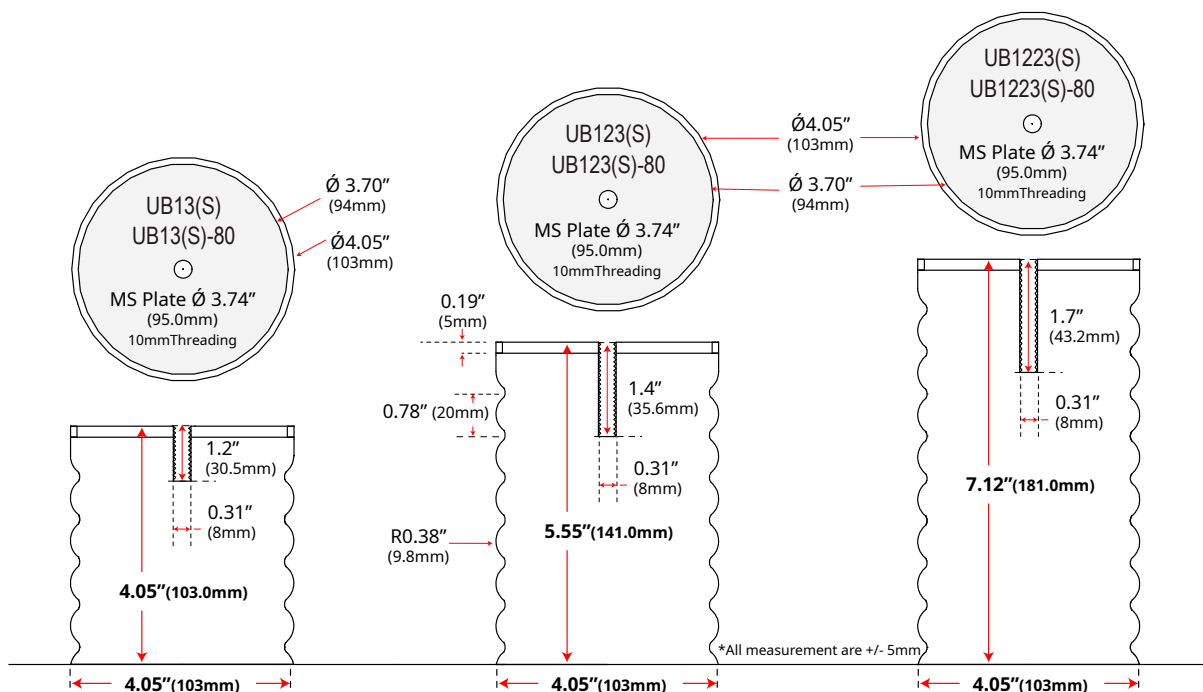


Model	UB1	UB2	UB3	Module Combination (make sure interlock insert)	Total Height
Qty	Pair	Pair	Pair		
Shore A Hardness	65	60	55		
Material	Nature Rubber	Nature Rubber	Nature Rubber		
Support Weight/pair	6000lbs	6000lbs	6000lbs		
Dimension	1.41"H x4" Diag.	1.85"H x4"Diag.	2.91"H x 4"Diag.		
Interlock Depth	0.315"	0.315"	0.315"		
				UB1+UB3	4" (102mm)
				UB1+UB2+UB2	4.47" (114mm)
				UB1+UB2+UB3	5 -5/8" (143mm)
				UB1+UB2+UB2+UB3	7-1/8" (181mm)


Universal Rubber Bump Stop - Specifications Vehicle Type : Motor Home RV or Truck Suspension Enhancement

Model	UB13S	UB13	UB13S-80	UB13-80	UB123S	UB123	UB123S-80	UB123-80	UB1223S	UB1223	UB1223S-80	UB1223-80
Qty	Single	Pair	Single	Pair	Single	Pair	Single	Pair	Single	Pair	Single	Pair
Shore A Hardness	60		80*		60		80*		60		80*	
Support Weight (pc/pair)	4500/9000lbs		12000/24000lbs		4500/9000lbs		12000/24000lbs		4500/9000lbs		12000/24000lbs	
Material	Natural Rubber				Natural Rubber				Natural Rubber			
Dimension	4.05"H x4"Diag				5.55"H x4"Diag				7.12"H x4"Diag			

* 80 Shore A hardness for Super Heavy Loading/Towing. Soft at initial contact and then increase in stiffness linearly when compress (over bump or heavy load).



Installed Vehicles

■ 2019 Chevrolet Colorado

Replaced The Factory Front Bump Stop with UB1+UB2 with Z1-UBS bracket. Total height 2.88"



Factory Bump Stop vs. UB12 2019 Chevrolet Colorado



Factory Bump Stop



Universal Rubber Bump Stop UB12



Universal Rubber Bump Stop UB123S

■ 2013 Ram Promaster 1500

Replaced The Factory Front Bump Stops with UB123.



Factory Bump Stop & UB123 Rubber Bump Stop



■ 2015 Mercedes Benz Springer 2500 (2016 Roadtrek SS Agile)

Replaced The Factory Front Bump Stops with UB1+UB3.



Factory Bump Stop & UB1 + UB3 Rubber Bump Stop

