



DuraTPE®/ DuraTPE® Plus/ DuraTPE® Pro/ DuraTPE® Super

Instruction Manual

Instructions for Installation of Coil Spring Buffer “Bumper”

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Note: This product gives added support for automotive coil springs to prevent sagging. It also provides a stiffer/more stable suspension that absorbs and dissipates the shock from potholes and rough roads. This product reduces stress on tires and the suspension which will enhance the vehicle’s operational life span.

Suggest Tool List

Floor Jack x 1, Jack Stands x 2, Wheel Block x 2, WD-40, Rubber Scissor

Parts List

RubberShox® (DuraSHOCK®) x 2 (a Pair)

Preparation

1. For front-installation, make sure vehicle is on a hard (concrete) surface and apply the parking brake. Place blocks under rear wheels to prevent the vehicle from rolling.
2. Check your vehicle owner’s manual for the proper contact points then jack up each tire to its recommended servicing height. For a safe installation and equal weight distribution, position the jack stands under the contact points corresponding with each wheel.
3. Once each tire is properly elevated, the coil spring is relaxed at full extension. It is recommended that you remove the wheel for easier installation.
4. Using a damp cloth, clean away all debris on your coil spring before installing this product. (specially in center 3-4 coils)
5. Measure the spring spacing between the coils to determine which product size (A+ .. F) should be selected (See Fig 1, “D” for measuring points), please measure center 2-3 spring distance, so to get an average for the spacing distance.

Choose the Right Size for Your Coil Spring (Ref. Selection Table)

Based on the measurement of you coil spring gap D (Fig 1). You can pick correct size buffer.

CSB Series Fitting Table

Measurement	Size
3.5" - 2.6"	A+
2.6" - 2.35"	A
2.35" - 1.85"	A-
1.85" - 1.65"	B+
1.65" - 1.45"	B
1.45" - 1.25"	C
1.25" - 1.1"	D
1.1" - 0.85"	E
0.85" - 0.55"	F

For Example: if your rear coil spring gap D is 2.2". It falls into 2.35"-1.85" range, so you should pick size A- CSB Series fitting table

1. Please jack up your vehicle to measure the coil spring gap, D.
 - **Note:** Our products do not support the coil spring gap, D, larger than 3.5" and smaller than 0.55".

Installation

- **Tip1:** If the installation is too hard due to the buffer height H1 is too tall, you can cut the inside ring of the buffer to make installation easy (Fig 3).
- **Tip2:** If the buffer you choose is too long and overlap on the coil spring, please cut it to align top and bottom (Fig 4).

Fig.1

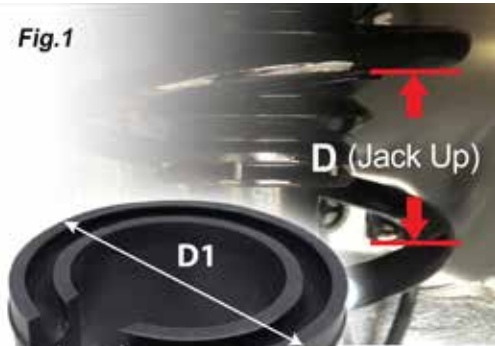


Fig.2



Fig.3



Fig.4



1. After determining the product size, thoroughly Spray WD-40 onto both the inside/outside Buffer Grooves and the Coil Spring (this lubrication will make the insertion smoother). Start from the widest spacing on your coil spring to begin fitting on the buffer. To fit the coil spring into the buffer, slide the spring coils into the buffer groove first. Then section by section, push to fit the well-lubricated buffer groove around coil spring until it is completely seated.
2. Continue the process using WD40 to keep the spacing between the coil spring and the buffer groove well lubricated.
3. Once both the spring and buffer are well seated, begin pushing/sliding/twisting the product to the tightest position that will maximize the highest buffering support (keep lubricated with WD40 again if needed.)
4. For additional support, zip tie the buffer to the coil spring. (This won't be necessary if the fit is snug.)
5. Release the Jack (or Stand), and return the tire to the ground. There should be around 0.5" ~ 1.5" added lift, depending on the spring type once it is bearing the car's weight.
6. To maximize coil spring support, insert 2 buffers of matching size onto one coil spring (if spring length permits).
7. A test drive is suggested after installation. The ride should feel a little stiffer. Drive Safely.
8. This product is primarily used to support the Coil Spring and prevent sagging. It provides a stiffer/more stable suspension that will absorb and dissipate the shock from potholes and bad roads while reducing stress on the suspension and tires. This enhances the vehicle's operational life span.
9. If you require a higher ground clearance, ref. to Model: RBxx-xx-xx/ARBxx-xx-xx, Rubber Block Coil Spring Booster that may be inserted onto the top/bottom of the Coil Spring.
10. In cases when going off road often or the buffer does not have a tight fit (not recommended), drill two 6.5mm diameter holes on each side (180 Degree from each other) using an F 13/16" drill head. Put zip tie through the hole and tie it to the coil spring. Make sure it is tightly zipped on both sides of the buffer.



Spray WD40 on both Vehicle Coil Springs and Buffer Groove for Easier Installation

FAQ

Q. What's the difference between the various DuraTPE Series? How do they combine with the Rubber Booster Block?

A. There are four individual series for DuraTPE with different hardness levels: CSB, CSBPlus, CSBPro and CSBSuper.

- CSBSuper: 2000 to 6000 Lbs. Max. 7000Lbs combined with Booster Block
- CSBPro: 2000 to 4500 Lbs. Max. 5500Lbs combined with Booster Block
- CSBPlus: 2000 to 3500 Lbs. Max. 4500Lbs combined with Booster Block
- CSB: 2000 to 2500 Lbs. Max. 3500Lbs combined with Booster Block

Q. Do these come in Pairs?

A. Yes, each purchase includes a pair of buffers.

Q. Will this work my Hyundai Tucson 2009? or 2005 Chevy Equinox or 1999 Ranger? or 2010 Corolla? 2001 F150?

1. Please refer to manual on Choose the Right Size for Your Coil Spring (Ref. Selection Table)
2. If you picked the wrong size Buffers for your vehicle, please contact our service department at info@rubbershox.com

Q. How much lift will these spacers provide after installation?

A. Around 0.5"-1.5" additional ground clearance, depending on the buffer size and your coil spring. Add Rubber Block Booster will increase another 0.25"-1"lift.

Q. Will it affect wheel alignment?

A. No, it does not affect wheel alignment. This is just a coil spring accessory to boost driving performance.

Q. Is this set for all four tires?

A. This product comes in pairs. Typically, front and rear springs are different sizes, so you will need to buy 2 pairs based on your spring size measurements. *Please refer to "Choose the Right Size for Your Coil Spring (Ref. Selection Table) on page 1

Q. How can I check the coil spring dimensions to see which buffer will fit my car?

A. Refer to CSB Series Fitting Table on page 1

Q. Will there be a squealing sound when you drive after installation?

A. No, it should not. Please apply enough WD40 to lubricate between the buffer and your vehicle spring.

Q. What are the included zip ties used for?

A. Buffers should always be tie up on the coil springs with the zip ties included in the CSB or CSBPro series. For CSB series, the front two holes can be used to tie the buffer on top of the coil springs. For CSBPro series, two ½ “ diameter holes on each openings (at the center line and two inches from the openings) or using an F 13/16” drill head. Put zip tie through the hole and tie it to the coil spring. Make sure it is tightly zipped on both sides of the buffer.

RubberShox Customer
Review Program



**+1 Additional
Year Warranty**

RUBBER[®] DU[®]RA[®]
SHOX SHOCK
We Take the Hit For You

Thank you for choosing RubberShox.
We hope that our product selection, features and service keep you 100% satisfied.

To participate and enroll in our **Customer Review Program** and receive a **FREE additional 1-year warranty** coverage to your purchase, simply follow these steps:

**Step
1**

*Showcase your new RubberShox Product via a product review on your purchasing website.

**Step
2**

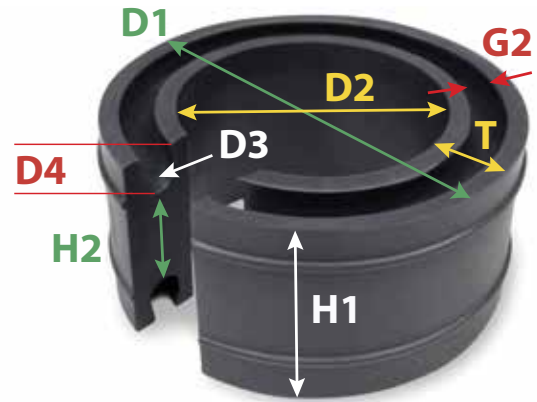
Submit a link to your live review at **www.rubbershox.com/review**

Once your review is verified, our processing team will send you a confirmation email 7-10 business days after submission is received.

From all of us at RubberShox – A very sincere thank you!

Dimensions Table (Unit: Inch)

To assist with installation, please feel free to trim up to 1/4 inch from the inner groove edge. This will allow the enough clearance to secure the rubbershox in the spring.



Note: Measured distance 0.04" ~ 0.08" off

Size	Series	Model	H1	H2	D1	D2	D3	D4	T	G2
			High Outer	High Inner	Diameter Outer	Diameter Inner	Groove Diameter	Groove Depth	Thick-ness	Groove Open
A+	DuraTPE	CSB-AP-R	3.54	2.36	6.77	4.88	0.47	0.59	0.94	0.35
	DuraTPE Plus	CSBPLUS-AP								
	DuraTPE Pro	CSBPro-AP								
	DuraTPE Super	CSBSuper-AP								
A	DuraTPE	CSB-A-R	3.07	1.85	6.77	4.80	0.47	0.61	0.98	0.51
	DuraTPE Plus	CSBPLUS-A								
	DuraTPE Pro	CSBPro-A								
	DuraTPE Super	CSBSuper-A								
A-	DuraTPE	CSB-AM-R	2.44	1.65	5.12	3.35	0.47	0.57	0.89	0.39
	DuraTPE Plus	CSBPLUS-AM								
	DuraTPE Pro	CSBPro-AM								
	DuraTPE Super	CSBSupre-AM								
B	DuraTPE	CSB-B-R	2.36	1.22	6.77	4.80	0.51	0.57	0.98	0.51
	DuraTPE Plus	CSBPLUS-B								
	DuraTPE Pro	CSBPro-B								
	DuraTPE Super	CSBSuper-B								
B+	DuraTPE	CSB-BP-R	2.44	1.30	5.12	3.35	0.47	0.57	0.89	0.39
	DuraTPE Plus	CSBPLUS-BP								
	DuraTPE Pro	CSBPro-BP								
	DuraTPE Super	CSBSupre-BP								
C	DuraTPE	CSB-C-R	2.17	1.10	5.20	3.15	0.35	0.53	1.02	0.31
	DuraTPE Plus	CSBPLUS-C								
	DuraTPE Pro	CSBPro-C								
	DuraTPE Super	CSBSuper-C								
D	DuraTPE	CSB-D-R	1.81	0.87	4.41	2.68	0.39	0.47	0.87	0.39
	DuraTPE Plus	CSBPLUS-D								
	DuraTPE Pro	CSBPro-D								
	DuraTPE Super	CSBSuper-D								
E	DuraTPE	CSB-E-R	1.50	0.55	4.53	2.76	0.39	0.47	0.89	0.39
	DuraTPE Plus	CSBPLUS-E								
	DuraTPE Pro	CSBPro-E								
	DuraTPE Super	CSBSuper-E								
F	DuraTPE	CSB-F-R	1.50	0.39	4.80	2.44	0.55	0.47	1.18	0.55
	DuraTPE Plus	CSBPLUS-F								
	DuraTPE Pro	CSBPro-F								
	DuraTPE Super	CSBSuper-F								

DuraTPE® Series Application Images



2017 Mazda CX-5 Touring 2WD
 Size : A (Front) , B+ (Rear)
 Ground Lifting Height : 1.25"



2005 Lexus RX330
 Size : A+ (Front) , A (Rear)
 Ground Lifting Height : up to 1" (2.54cm)



2020 Volvo XC40
 Size : A (Front) , B (Rear)
 Ground Lifting Height : Up ~1.5"



2013 Honda Civic
 Size : C (Front) , D (Rear)
 Ground Lifting Height : 0.7"



2017 Subaru Crosstrek
 Size : A (Front) , D (Rear)
 Ground Lifting Height : 1"



2018 Mitsubishi Outlander
 Size : A (Front) , D & E (Rear)
 Ground Lifting Height : Up ~1.5"



2016 MINI Cooper
 Size : A+ (Front) , C (Rear)



2019 Honda HR-V LX
 Size : A (Front) , B+ (Rear)
 Ground Lifting Height : 1.2"



2019 Honda CRV
 Size : A+ (Front) , B (Rear)
 Ground Lifting Height : 1.2"



2001 Lexus RX300
 Size : A (Front) , C (Rear)
 Ground Lifting Height : 1.2"



2015 Honda Fit
 Size : B+ (Front) , B+ (Rear)
 Ground Lifting Height : 1"



2012 Toyota Sienna Limited
 Size : A (Front) , B+ (Rear)

DuraTPE® Pro Series Application Images



2019 Mazda 6
 Size : B+ (Front) , B+ (Rear)
 Ground Lifting Height : 0.75"



2019 Volvo XC40
 Size : A+ (Front) , DuraShock Block (Green) : Adds extra 0.5"
 Total Ground Lifting Height : 1.7"



Shore Hardness Comparison



Coil Spring Buffer Comparison Chart

Series	DuraTPE®	DuraTPE® Plus	DuraTPE® Pro	DuraTPE® Super
Products				
Support Vehicles	2000 Lbs to 2500 Lbs	2000 Lbs to 3500 Lbs	2000 Lbs to 4500 Lbs	2000 Lbs to 6000 Lbs
	provides up to 1" ground clearance			
	Up to 2" if combined with Rubber Block Booster			
Compatible Vehicle	Vehicle with Coil Spring			
Size Available	A+ / A / A- / B+ / B / C / D / E / F			
Ride After Installed	Softer			Stiffer
Raise Ground Clearance (DuraTPE xx Only)	Less (~0.5")			More (~1")
Rubber Block Booster (5 Models and 15 Sizes Available)				
Combine Install both DuraTPEx & Block Booster to your Coil Spring	Less (~1")			More (~1.5")
No Hole on Side	Am		AP / A / BP / B / Am	
Two Small Hole (1/3 of Full Hole)	AP			
Two Full Hole	A / BP / B / C / D / E / F		C / D / E / F	

[RubberShox Coil Gap Guide]

0.75"

0.55"

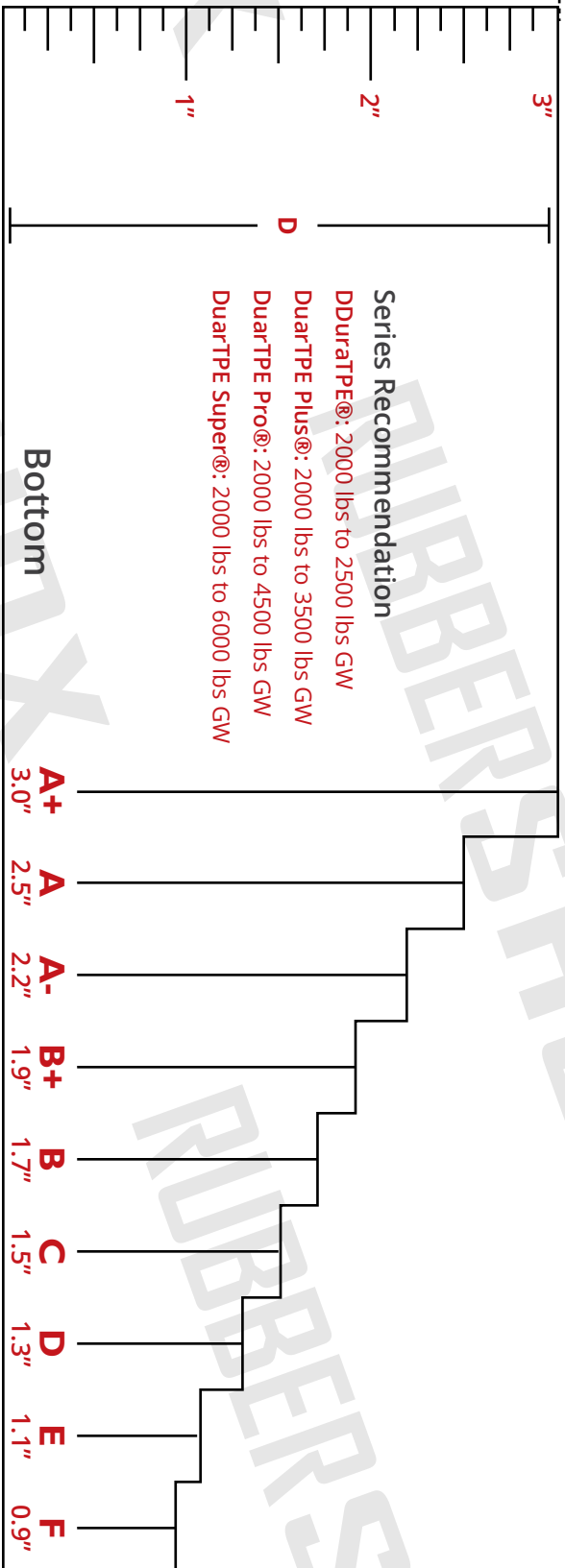
0.51"

0.39"

0.31"

↑
Not Compatible
(Rubber Block Recommended)

COIL DIAMETER (G2)



D = Coil Spring Gap (lifted)

To find the correct buffer size to fit your coil spring, please use the template provided above. Glue the template on thick board and cut out the step-ladder ruler. Place the bottom side of the template onto the coil and slide until you hit your mark.

