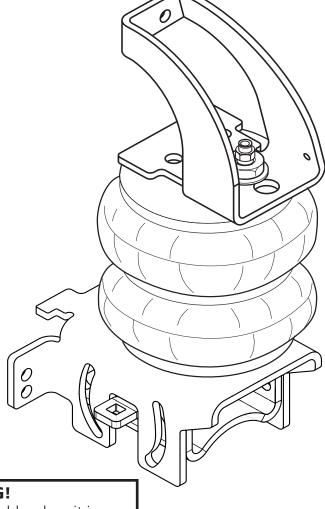


81223022 2011-2013 F450 Non Commercial

Congratulations - your new TowPro Helper Springs are quality products capable of improving the handling and comfort of your vehicle. As with all products, proper installation is the key to obtaining all of the benefits your kit is capable of delivering. Please take a few minutes to read through the instructions to identify the components and learn where and how they are used. It is a good idea to start by comparing the parts in your kit with the parts list below.



WARNING!

Do not inflate this assembly when it is unrestricted. The assembly must be restricted by the suspension or other adequate structure. Do not inflate beyond 100 P.S.I. Improper use or over inflation may cause property damage or severe personal injury.

PARTS

Compare the parts below to your kit. Assure you have all pieces, and organize them for an easier installation.

MAIN KIT CONTENTS

PART # 6401	8	x 2	AIR SPRING	PART # 5844	x 2	SADDLE BRACKET	PART # 3077	x 2	BAIL CLAMP
PART # 5840		x 1	LEFT SIDE UPPER BRACKET	PART # 1163	x 2	AXLE STRAP BRACKET	PART # 1004	x 1	HEAT SHIELD
PART # 5846		x 1	RIGHT SIDE UPPER BRACKET	PART # 5477	x 4	1/2" SPACER	PART # 9415	x 1	AIR LINE TUBE (22 FEET)
PART # 5842		x 2	LOWER BRACKET	PART # 5665	x 4	1/4" SPACER			

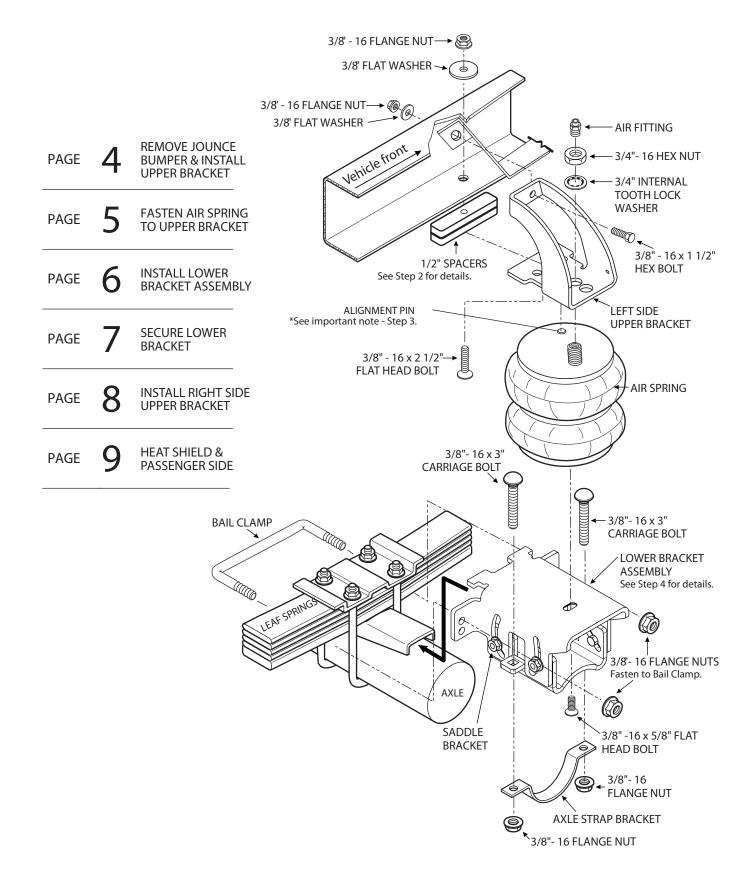
A24-760-7560 INFLATION VALVE BRACKET KIT

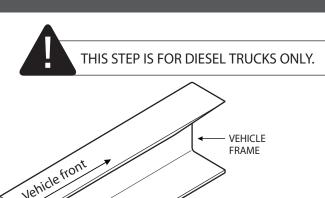
PART # 9483		x 1	NO-DRILL INFLATION VALVE BRACKET	PART # 9488	×2 LARGE NYLON TIE
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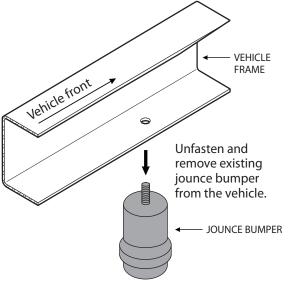
A21-760-2597 HARDWARF PACK

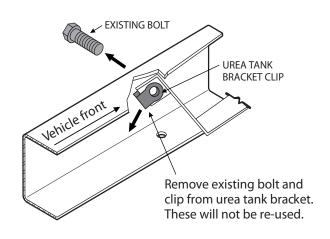
AZT-700-2597 HARDWARE PACK										
PT#3029		x 1 3/8" - 16 x 1 1/2" HEX HEAD BOLT	PT#3067			8" - 16 FLANGE OCK NUT	PT#3296	(3)	x 1	3/4" LOCK WASHER
PT # 0071	<u></u>	x 1 3/8" FLAT WASHER	PT # 0532	0		8" LARGE AT WASHER	PT# 3032		x 2	INFLATION VALVE AND VALVE CAP ASSEMBLY
PT # 3033	0	x 4 5/16" FLAT WASHE	0588 # Tq			4" - 16 x 1 3/4" EX HEAD BOLT	PT # 3046		x 2	AIR FITTING
PT#3142		x 2 3/8" - 16 x 5/8" FLAT HEAD BOLT	PT#3295		x 2 3/	4" - 16 HEX NUT	PT#3012	× 4 3/8" - 16 x 3" CARRIAGE BOLT		
PT# 3411	0	x 1 3/4" THICK WASHE	R PT#3412	(00)	V I	4" - 16 AME NUT	PT # 9036	×6 RED NYLON TIE		
PT # 0070		x 8 3/8" - 16 x 1" HEX HEAD BOLT	PT#3064		v ')	TERNAL TOOTH OCK WASHER	PT#0899	× 2 THERMAL SLEEVE		
PT# 3345		x 2 3/8" - 16 x 2 1/2" FLAT HEAD BOLT	PT#3113	0	x 1 3/	4" FLAT WASHER				

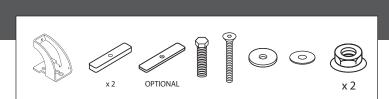
CONTENTS AND OVERVIEW



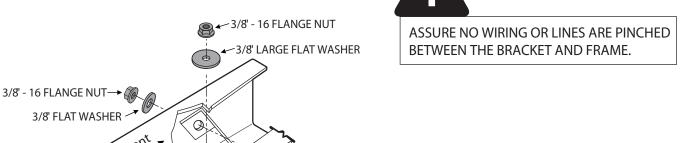


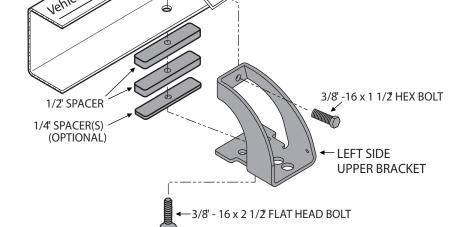






INSTALL LEFT SIDE UPPER BRACKET





FASTEN AIR SPRING TO UPPER BRACKET



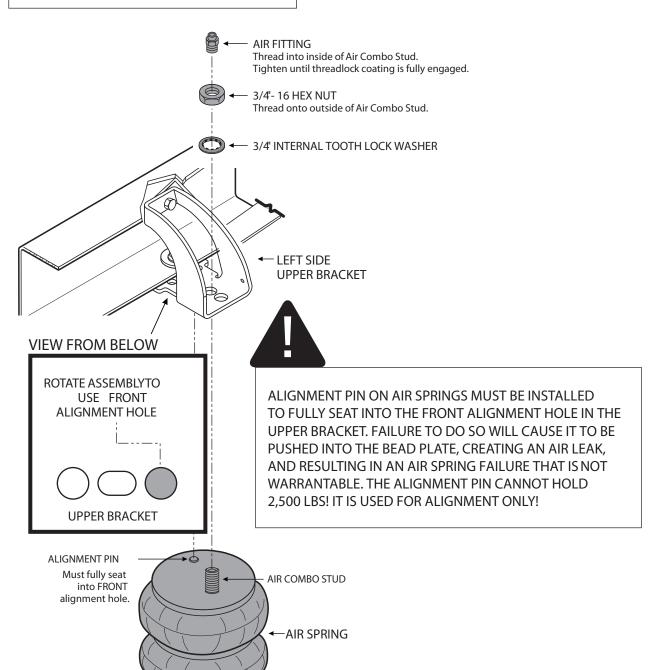








INSTALLING THE RIGHT SIDE? REMEMBER TO INSTALL THE HEAT SHIELD IN STEP 7 FIRST!



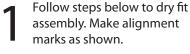








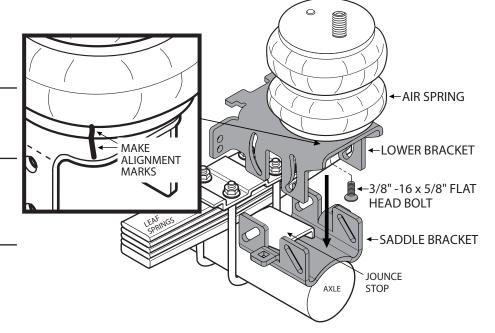




Place bottom of Lower Bracket on the axle of the vehicle.

Place the Upper Bracket above the Lower Bracket as shown. Assure both are tight against the leaf spring stack.

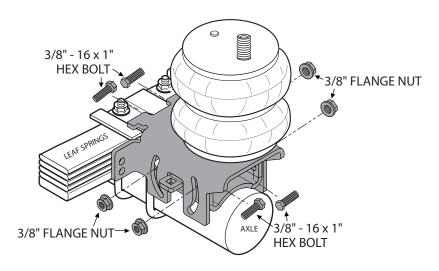
Match the alignment marks and secure the Air Spring to the Upper Bracket, as shown.



Position the Lower Bracket as low as possible , while still clearing the jounce stop on the vehicle.

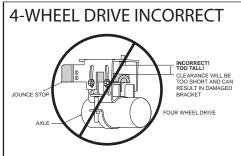
Make sure the Lower Bracket is parallel to the ground.

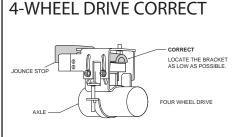
Use supplied fasteners in the bracket bolting slots.

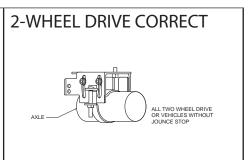


! IMPORTANT: INSTALL ON THE LOWEST SETTING POSSIBLE FOR YOUR VEHICLE

FAILURE TO DO SO CAN RESULT IN DAMAGED BRACKETS AND CAN VOID YOUR WARRANTY





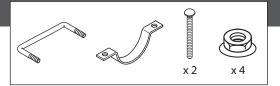


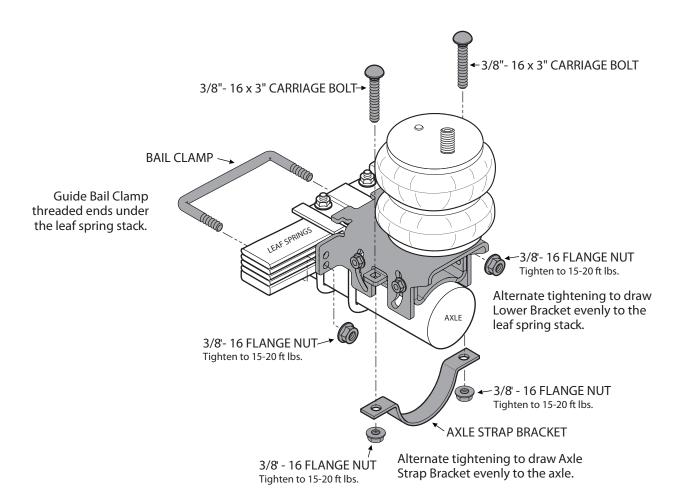


SECURE LOWER BRACKET



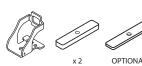
USE YOUR HAND TO CHECK FOR THE PROPER CLEARANCE AROUND THE AIR SPRING. IF YOUR HAND DOES NOT FIT BETWEEN THE AIR SPRING AND OTHER COMPONENTS, IT WILL RUB!

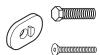






AWESOME! You're done with the left side. Move on to Step 6 to begin the right side installation.







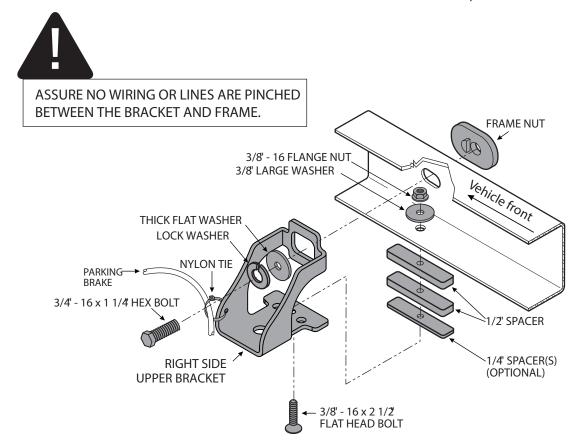








- Follow the steps below to install the right side Upper Bracket.
- Use supplied NylonTie to secure parking brake line to Upper Bracket as shown.
- Once completed, see Step 7 for Heat Shield Installation.
- Once Step 7 is complete for the right side, continue to Steps 3-5.

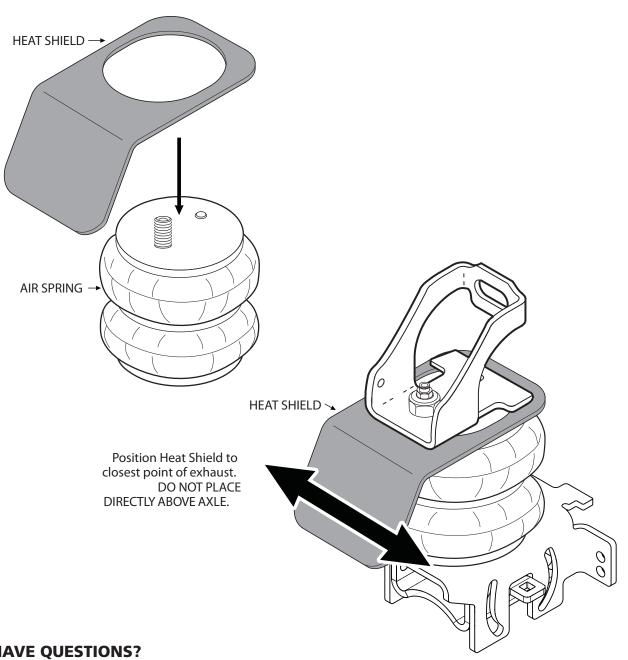


INSTALL RIGHT SIDE WITH HEAT SHIELD





RIGHT SIDE INSTALLATION MUST INCLUDE HEAT SHIELD!



STILL HAVE QUESTIONS?

Tech line hours

Monday - Friday 8Am - 6PM (EST) 812-482-2932

