

Installation Manual

PART OF PACBRAKE'S

AIR ARSENAL



ONBOARD AIR ACCESSORIES KIT

APPLICATION: Universal*

**If being paired with an existing non-BRAVO™ wireless control system, confirm the system is compatible with tanks and/or onboard air.*

When used with a compatible air control system, this Onboard Air Accessory Kit provides a quick connect onboard air source, making it easy to inflate tires and gear, run an air blow gun, and handle general compressed air tasks on the go

* See application guide for proper fitment.

L6670_REV2_06.10.2026

Thank you and congratulations on the purchase of an Onboard Air Accessories Kit.

Please read the entire manual prior to starting the installation to ensure you can complete it once started. If you are unsure whether you are qualified to install the kit, consult a qualified service professional before beginning the installation.

SAFETY WARNINGS!

You must read and abide by the instructions found in this manual, paying close attention to the helpful (+), cautionary (!) or dangerous (!) warning icons highlighting important safety recommendations and maintenance suggestions throughout this manual. Failure to abide by all instructions in this manual will void the warranty.

IMPORTANT TO KNOW WHEN USING AN ONBOARD AIR ACCESSORIES KIT

- ❗ **Maximum operating pressure is 135 PSI.** Do not leave the system connected to an air supply and unattended, as overpressurization may occur. Only use components rated for at least 135 PSI. **Failure to comply may result in equipment damage or personal injury.**
 - ❗ **Always wear safety glasses** when installing or servicing compressed-air components.
 - ❗ **Never work on a pressurized air system.** Always fully depressurize before installing or servicing components.
-

**HELPFUL INSTALL TIP**

Additional information that could potentially make the job a little easier.

**PLEASE USE CAUTION**

Unsafe practices could result in damage to you or your vehicle, or others.

**DANGER WARNING**

Hazards which could result in severe personal injury or death.

IMPORTANT TO KNOW WHEN USING WITH AIR SUSPENSION

- ❗ An air suspension kit will not increase the GVWR (Gross Vehicle Weight Rating), as the GVWR is determined by the vehicle manufacturer. **Do not exceed the maximum capacity listed by the vehicle manufacturer.**
 - ❗ **Serious personal injury or death may result from an air spring failure** or accident due to improper installation or air spring pressure operation or maintenance.
 - ❗ **Inflating an unsecured air spring is dangerous.** If it bursts, it could be hurled into the air with explosive force resulting in serious personal injury or death. Never inflate an air spring unless it is secured to the vehicle.
 - ⚠ For safe and proper operation of the vehicle, never operate the vehicle under the minimum or over the maximum listed PSI in the air spring(s), (see: MIN/MAX PSI chart on the final page of this manual). Staying within the pressure limits will ensure a reasonable duration of the air springs. **Failure in doing so may result in damage to your vehicle and will void the warranty.**
 - ⚠ **PLEASE NOTE:** If an onboard air accessory kit is installed, the accessory output pressure can reach 135 PSI. **Use caution when inflating objects to prevent exceeding their maximum pressure.**
 - ❗ **Removing and replacing air springs can be dangerous.** This is only a job for a qualified service professional. Never perform air spring service procedures without proper training, tools, and equipment.
 - ⚠ It is recommended to always jack the vehicle on the axle. If lifting the vehicle with a floor jack or hoist on the frame, never allow the air spring to limit the travel of the axle. Suspending the axle with the air spring limiting the axle travel **will damage the air spring and void the warranty.** (This warning does not apply to In-Coil Springs)
 - ⚠ The air spring must have clearance between itself and the surrounding components to prevent any contact when the air spring is inflated or compressed. Trimming off excess bolt length may also be required to ensure no contact with the spring or other suspension components can be made once installed. **Failure to do so will void the warranty.**
-

BEFORE STARTING THE INSTALLATION

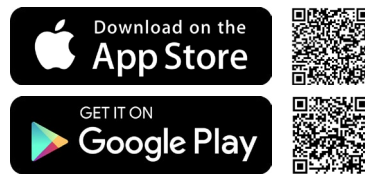
- ⚠ **Always read your vehicle owner's manual and follow all instructions and warnings therein prior to modifying your vehicle.**
- ⚠ Verify that no brake lines, fuel lines, wiring, or hoses will be pinched or damaged during installation.
- ⚠ This kit contains push-to-connect fittings; using scissors or wire cutters to cut the nylon air line will distort the line and cause the connection to leak. The air line must be cut off squarely with the tube cutter provided in this kit, or a sharp utility knife.
Failure to do so will void the warranty.
- + It is recommended to use only pneumatic PTFE tape or thread sealant on NPT fitting during the installation for a proper seal.
- ⚠ Always ensure the bolts are not over-torqued; especially when a torque value is provided, failing to use the provided torque value(s) can lead to **premature failure and will void the warranty.**
- + It is recommended to use a good quality anti-seize on all fasteners to reduce the chance of corrosion and help facilitate removal, if required at a later date.

IMPORTANT TO KNOW — APP COMPATIBILITY

- ⚠ **A Mobile device App is required for initial installation & servicing of the system.**

MOBILE APP USERS:

Please ensure you have downloaded the latest Pacbrake BRAVO™ Wireless Air Control App from the Apple App Store or Google Play Store.



- ▶ Select the icon (with the white background) labelled **BRAVO™ Wireless Air Control**

STANDALONE REMOTE USERS (Part #: HP10660):

This kit cannot be controlled using the Remote

SERVICE NOTICE:

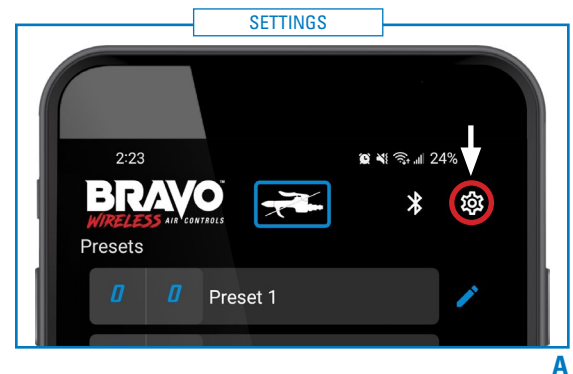
- ⚠ **Before servicing or performing other maintenance on the wireless air controls system, all pressurized air must be released or 'purged' from the system.**

- ⚠ **PLEASE NOTE:** A Mobile device App is required for the initial installation and servicing of the system.

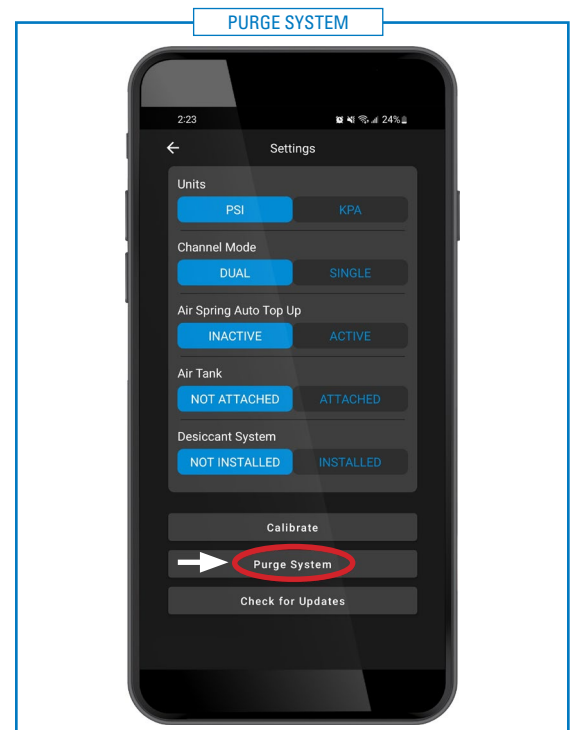
Use the Pacbrake BRAVO™ Wireless Air Control Mobile App to engage the 'Purge' function and de-pressurize the system.

- Navigate to the App Settings (the cog wheel in the top right corner of the screen - highlighted in Figure A)
- Select "Purge System" to fully de-pressurize the air system before servicing (highlighted in Figure B).
- When all air has been exhausted from the system, remove the 10A fuse from the fuse tap in the main wiring harness.

- ⚠ **PLEASE NOTE:** Any automated inflation function, such as auxiliary air tank inflation, will resume on system power-cycle or by using a fill/drain or preset command in the app or remote.



A



B

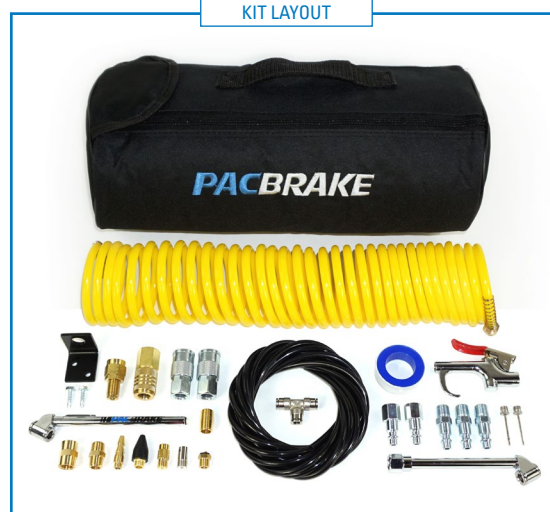
KIT CONTENTS

Please confirm the items below are provided in your kit before starting the installation.

KIT CONTENTS	QTY	PART #
A Coiled Hose, 1/4" NPT Ends	1	C11652-1
B Air Blow Gun, 1/4" NPT	1	C11652-2
C Dual Angled Head Tire Air Chuck, 6", 1/4" NPT	1	C11652-3
D Adapter, 1/8" NPS To 5/16"-32	1	C11652-4
E Safety Nozzle, 1/8" NPS	1	C11652-5
F⁺ Schrader Valve Adaptor	1	C11652-6
G Plated, Male 1/4" Quick Connect Coupler, Male 1/4" NPT	3	C11652-7
H Plated, Male 1/4" Quick Connect Coupler, Female 1/4 NPT	2	C11652-8
I Plated, Female 1/4" Quick Connect Coupler, Female 1/4" NPT	2	C11652-9
J⁺ Pump Needles, 5/16"-32	2	C11652-10
K⁺ Rubber Air Gun Tip, 5/16"-32	1	C11652-11
L⁺ Stepped Air Gun Tip, 5/16"-32	1	C11652-12
M Hex Coupling, 1/4" NPT	1	C11652-13
N Hex Nipple, 1/4" NPT	1	C11652-14
O Sealant Tape	1	C11652-15
P Pressure Gauge, Tire	1	HP1150
Q Brass, Male 1/4" Quick Connect Coupler, Female 1/4" NPT	1	M8677
R Brass Close Nipple, 1/4" NPT Female	1	HP1153
S Brass Pipe Bulkhead, 1/4" OD Tube x 1/4" NPT Female	1	HP1152
T Quick Connect Bracket	1	C11815
U Hex Head Sheet Metal Screw, #10 x 3/4 Self-Drill	2	P60100
V Nylon Air Line Tube, Black, 16 Feet	1	M8280-16
W Tee Fitting, 1/4" Push-To-Connect	1	HP2089
X Cable Tie, 7", 8 Pack	1	C11618-8

+ Attachments (F, J, K, L) can be installed onto the Air Blow Gun (Item B) or other fittings as required for inflating tires, sports equipment, or general use.

KIT LAYOUT



REQUIRED TOOLS

- Hoist or Floor Jack
- Safety Stands
- Safety Glasses
- Standard Combination Wrenches
- Power Drill
- 8mm Nut Driver Drill Bit
- Tube Cutter (included) or Sharp Utility Knife
- Pipe Thread Sealant
- Spray Bottle with Dish Soap/Water



WARNING: This product can expose you to the chemical Hexavalent Chromate, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

INSTALLATION INSTRUCTIONS: MOUNTING & ASSEMBLY**1 SELECT MOUNTING LOCATION**

Select a mounting location for the **Quick Connect Fitting** that is protected from dirt and moisture to minimize contamination.

- + *Recommended mounting locations can vary; but the rear bumper/hitch area, bedside near the tailgate or even under the hood of the vehicle are all considered acceptable locations*

2 INSTALL QUICK CONNECT FITTING

After select a preferred mounting location, mount the **Quick Release Bracket** (Item T) using the provided **Hex Head Sheet Metal Screw**, (Item U).

Orient the quick connect fitting horizontally or downward.

- ! **Do not orient the quick connect fitting upward.**

3 FITTING ASSEMBLY

- + *Some fittings have thread sealant pre-applied on threads, If threads have no visible coating, thread sealant or tape must be applied to prevent leaks.*

- ! **Thread all fittings finger-tight plus an additional 1.5 turns.**

Install the **Male 1/4 Quick Connect Coupler, Female 1/4 NPT** (Item H) on one end of the **Coiled Hose, 1/4 NPT Threaded Ends** (Item A).

Install the **Female 1/4 Quick Connect Coupler, Female 1/4 NPT** (Item I) on the other end of the **Coiled Hose, 1/4 NPT Threaded Ends** (Item A).

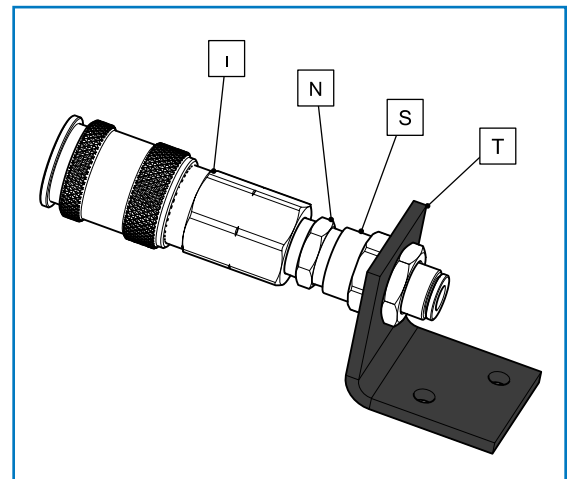
Install the **Male 1/4 Quick Connect Coupler, Male 1/4 NPT** (Item G) on the **Dual Angled Head Tire Air Chuck, 6 in, 1/4 NPT** (Item C).

Install the **Male 1/4 Quick Connect Coupler, Male 1/4 NPT** (Item G) on the **Air Blow Gun, 1/4 NPT** (Item B).

Install the **Hex Nipple, 1/4 NPT** (Item N) into the **Female 1/4 Quick Connect Coupler, Female 1/4 NPT** (Item I).

Install the **Brass Pipe Bulkhead, 1/4 OD Tube x 1/4 NPT Female** (Item S) onto the other end of the **Hex Nipple, 1/4 NPT** (Item N).

Mount the **Bulkhead Fitting** (Item S) to the **Quick Connect Bracket** (Item T). (See Figure 3 for assembly)

**3**

INSTALLATION INSTRUCTIONS: TUBING

- ⚠ **Ensure all tubing is routed securely and protected from abrasion, heat sources, and moving components.**
- ⚠ **A Mobile device App is required for initial installation and servicing of the system.**

Using the **Mobile Device App** navigate to the Settings and select "Purge System" to fully depressurize the air system before servicing. (See details on Page 3 of this manual)

4 TUBING INSTALLATION — BASE MODEL

Disconnect and remove the existing 1/4" nylon air tube between the compressor hose fitting and manifold fitting (Part highlighted in Figure 4B).

- + **To disconnect push-to-connect tubing:** Press the tube towards the fitting, press and hold the outer release ring (an open-ended wrench can be used to push with), then pull the tube straight out of the fitting (as shown in Figure 4A).

Using Figure 4C as a reference; cut a **2.75"** (70 mm) section of supplied tubing and insert it fully into the **compressor hose fitting**.

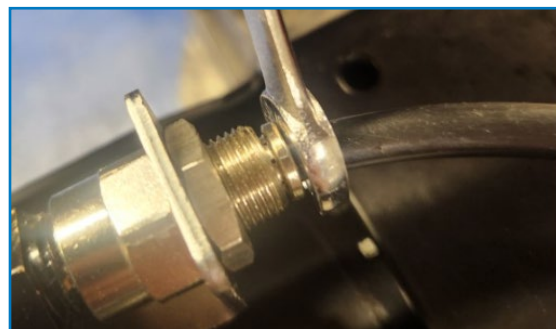
Install the **straight-through port** of the **Tee, 1/4" OD Tube, Push-To-Connect Tee Fitting** (Item W) onto the tubing.

Cut a **2.5"** (64 mm) tubing section and connect the **branch port** of the tee fitting to the **manifold inlet fitting**.

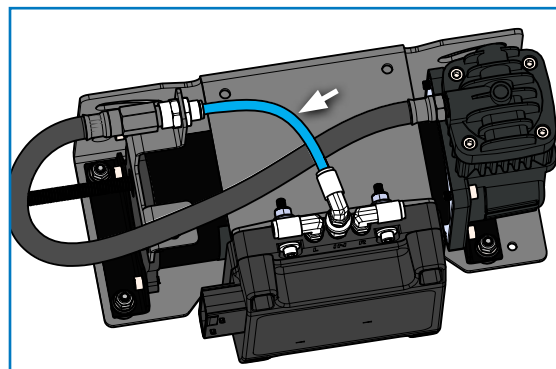
Use the remaining tubing to connect the Push-To-Connect tee fitting to the Push-To-Connect fitting at the quick connect.

Secure the tubing as needed using the supplied zip ties.

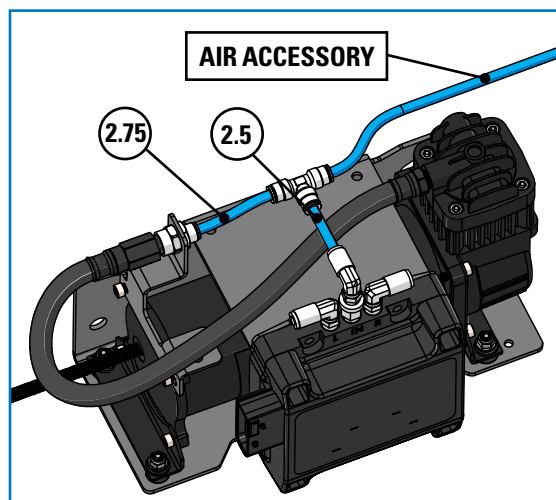
- ⚠ **Ensure tubing is fully inserted into all Push-To-Connect fittings.**



4A



4B



4C

5 TUBING INSTALLATION — WITH WATER SEPARATOR (NO TANK)

Disconnect the existing 1/4 in tubing loop from the water separation system.

Cut a **2.75"** (70 mm) section of supplied tubing and install it into the **desiccant filter push-to-connect fitting**.

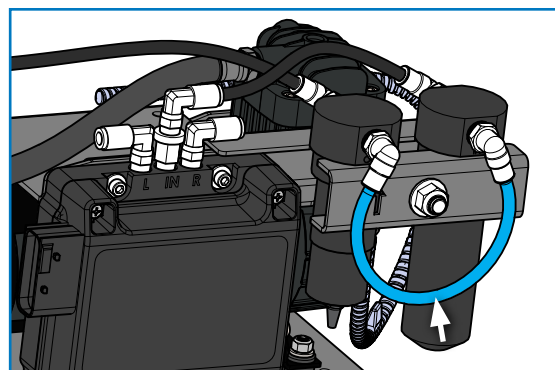
Install the **Tee, 1/4" OD Tube, Push-To-Connect Tee Fitting** (Item W) onto the **tubing with the branch port** oriented as required.

Cut a **5.25"** (133 mm) tubing section and connect it between the **water separator fitting** and the **tee fitting**.

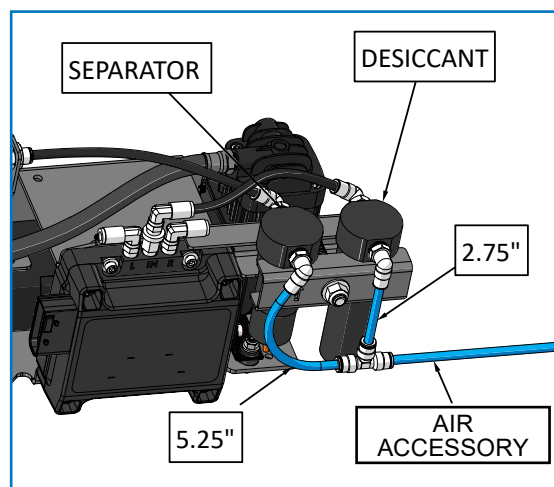
Use the remaining tubing to connect the Push-To-Connect tee fitting to the Push-To-Connect fitting at the quick connect.

Secure the tubing as needed using the supplied zip ties.

! *Ensure tubing is fully inserted into all Push-To-Connect fittings.*



5A



5B

6 TUBING INSTALLATION — WITH TANK

Cut the **1/4" Nylon Tube** running from the compressor assembly to the air tank at a suitable point.

Install the **Tee, 1/4" OD Tube, Push-To-Connect Tee Fitting** (Item W) inline using the straight-through ports.

Use the remaining tubing to connect the Push-To-Connect tee fitting to the Push-To-Connect fitting at the quick connect.

Secure the tubing as needed using the supplied zip ties.

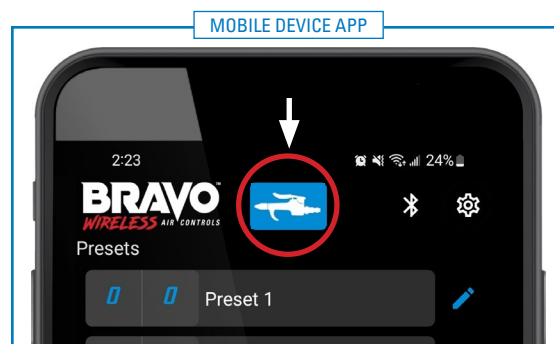
7 MOBILE APP CONFIGURATION

Power on the vehicle.

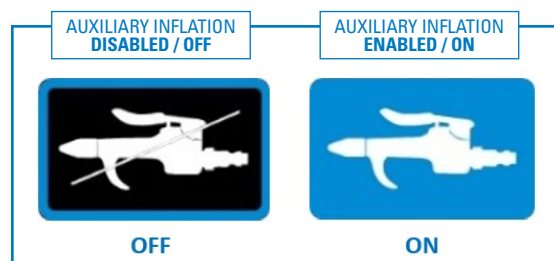
Connect to the controller using the Mobile device App.

Turning on the Air Accessory:

- **If an air tank is installed**, the air accessory kit will maintain pressure when the system is powered.
- **If no tank is installed**, use the Air Accessory button on the main app screen (Enabled/ON control shown circled in Figure 7A).



7A



7B

8 FINAL INSPECTION & LEAK CHECK

Confirm the tank and fittings have adequate clearance from moving or heat-sensitive components.

Verify all fasteners have been torqued correctly to the torque values provided. Failing to use the provided torque value(s) can lead to premature failure and will void the warranty.

Using a mixture of dish soap and water, spray all air line connections.

FOR USERS WITH AN AIR TANK

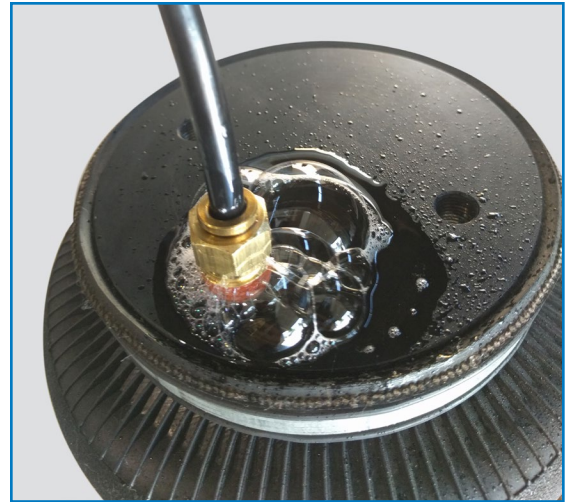
Pressurize the system using the app and press either of the manual “up” arrows (left or right air spring). This will start the compressor and allow the air tank to fill (up to system pressure, max 135 PSI).

FOR USERS WITHOUT AN AIR TANK

Use the Air Accessory button on the main app screen to pressurizer the system (see Step 7).

Check all fittings to detect any air leaks. Large, expanding bubbles indicate a leak (as the example in Figure 8 shows).

⚠ The leak must be repaired, and then retested until no leaks exist.



*Air Spring & NPT Air Fitting shown as an example and may differ between kit offerings

8

CONGRATULATIONS! You have completed the install

After Installation & Legal continues on the following page.

.....

AFTER COMPLETING THE INSTALLATION

! Periodically inspect the tubing, fittings, and mounting hardware during routine vehicle maintenance.

.....

OPERATING YOUR VEHICLE WITH AIR SUSPENSION

Air springs have minimum and maximum recommended pressure requirements:

MIN / MAX PSI: REQUIREMENTS FOR YOUR AIR SPRING(S)				
PART #	SPRING STYLE	SPRING TYPE	MIN PSI	MAX PSI
HP10687	In-Coil	STANDARD DUTY	5 PSI	50 PSI
HP10560		STANDARD DUTY	5 PSI	70 PSI
HP10001	Sleeve Style	STANDARD DUTY	10 PSI	100 PSI
HP10173		STANDARD DUTY		
HP10199		STANDARD DUTY		
HP10083	Single Convoluted	HEAVY DUTY	5 PSI	100 PSI
HP10083J		HEAVY DUTY with JOUNCE BUMPER	0 PSI* / 5 PSI	100 PSI
HP10000	Double Convoluted	HEAVY DUTY	5 PSI	100 PSI
HP10000J		HEAVY DUTY with JOUNCE BUMPER	0 PSI* / 5 PSI	100 PSI
HP10068	Large Double Convoluted	HEAVY DUTY	5 PSI	100 PSI
HP10438	Double Convoluted	EXTREME DUTY	5 PSI	100 PSI
HP10438J		EXTREME DUTY with JOUNCE BUMPER	0 PSI* / 5 PSI	100 PSI

* Springs with a jounce bumper can be run at zero PSI when vehicle is unloaded only

Never operate the vehicle under the minimum or over the maximum listed PSI in the air spring(s). Staying within the pressure limits will ensure maximum air spring life. **Failure in doing so may result in damage to your vehicle and void the warranty.**

! It is recommended to check the air pressure in your air springs daily, for the first 5 days, to ensure a leak has not developed.

Air springs are designed to maintain the vehicle's stock ride height with a load. Do not use the air springs as a means to lift vehicle with no load. This will result in a harsh ride.

WARRANTY

See accompanying limited warranty included with this kit for details.

.....