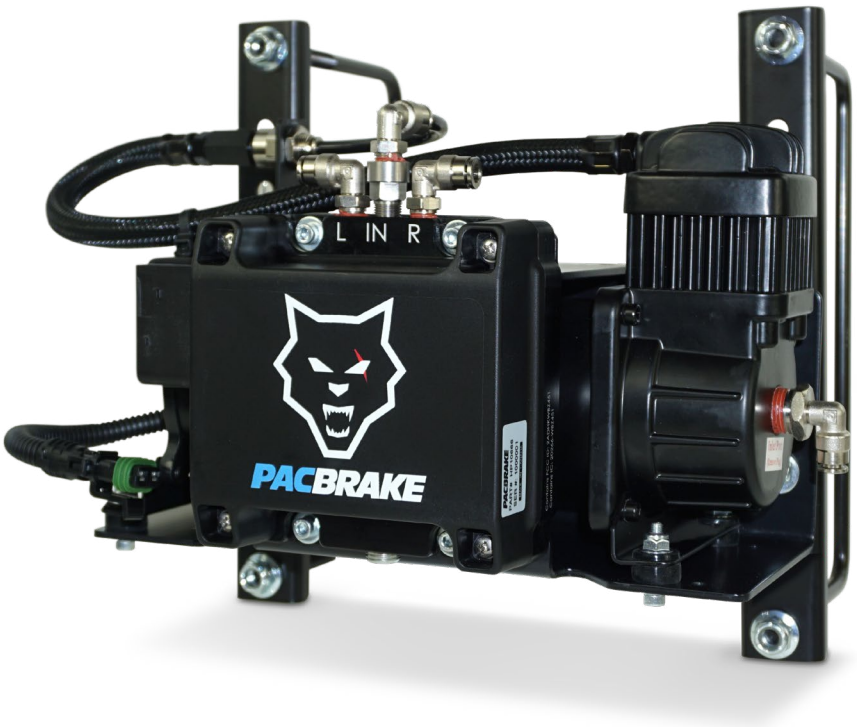
Installation Manual

PART OF **PACBRAKE'S**
AIR ARSENAL



QUICK MOUNT DUAL / SINGLE CHANNEL
WIRELESS AIR CONTROL SYSTEMS

APPLICATION: Universal*+

+Air Springs sold separately.

Giving you the ability to adjust your air spring pressure both independently and simultaneously from your phone (or remote) with the touch of a button. It's the perfect means to control your vehicle's air suspension system from inside or outside your vehicle!

** See application guide for proper fitment.*

L6671_REV2_06.12.2026

Thank you and congratulations on the purchase of a Wireless Air Control System.

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 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.

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.

- ! 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.**

IMPORTANT TO KNOW WHEN USING WITH MOBILE DEVICE APP / REMOTE

Download on the App Store

GET IT ON Google Play

! ***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): The Remote is a simplified alternative to the Mobile App and is intended for air spring control only; the mobile app is required to access the full functionality needed for safe installation, setup, and servicing of this kit. Please ensure the unit is fully charged before use.

BEFORE STARTING THE INSTALLATION

- **Always read your vehicle owner's manual and follow all instructions and warnings therein prior to modifying your vehicle.**
- Ensure the application information is correct for the make, model and year of the vehicle you are installing the kit on.
- Ensure there is adequate frame clearance for tank mounting before beginning installation (see Step 1 for more info).
- 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 may 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.**
- Verify that no brake lines, fuel lines, wiring, or hoses will be pinched or damaged during installation.
- 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.

SERVICE NOTICE

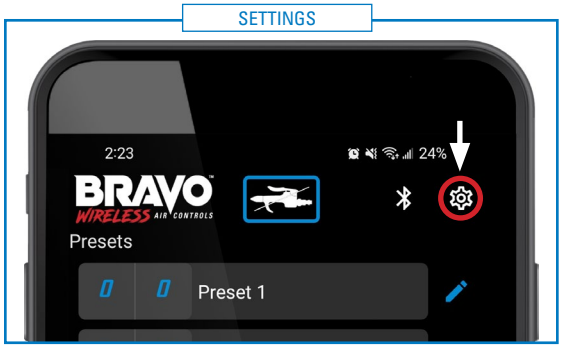
- **Before servicing or performing other maintenance on the wireless air controls system, all pressurized air must be released or 'purged' from the system.**

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

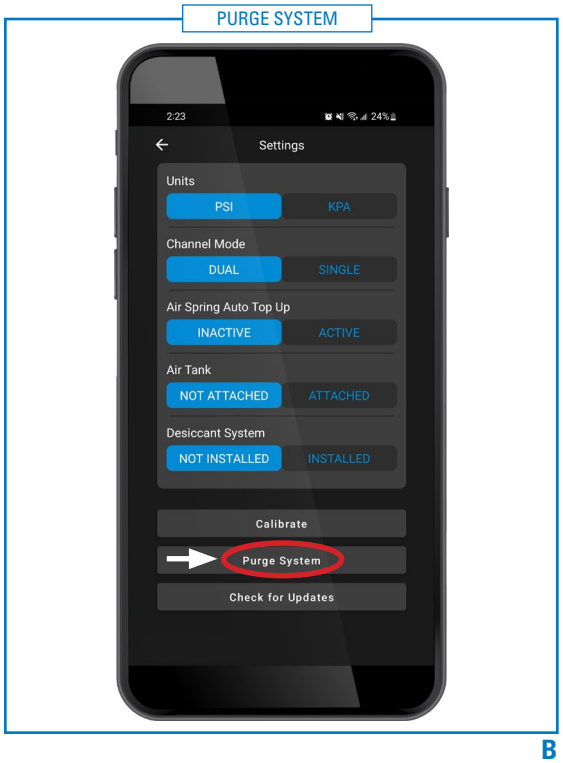
  Use the Pacbrake BRAVO™ Wireless Air Control Mobile App to engage the 'Purge' function and de-pressurize the system.

  - 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. Reference the wiring diagram on the following page for an Installation Overview Diagram.

KIT CONTENTS	QTY	PART #
425 Series 12 VDC Compressor/Manifold Assembly	1	**HP10665**
Harness, Wireless Air Controls	1	HP10658
Fitting, Tee, 1/4" OD Push-To-Connect	2	HP2089
Bracket, Carriage Bolt Plate	2	HP2092
Bracket, Mounting Rail	2	HP2080
Inlet Air Filter	1	C241
Sub Group Cutter Tubing	1	HP10208
Bolt, 5/16"-18 x 1" Carriage, Grade 5, Zinc Plated	4	HP2098
U-Bolt, 3/8"-16 x 5.5" x 9.5" Square, Black Zinc	2	HP2081
Nut, 3/8"-16 Nylon Lock Flange, Zinc Plated	4	HP1975
Nut, 5/16"-18 Nylon Lock, Zinc Plated	4	C11943
Flat Washer 5/16" 0.065 Thick	4	C11944
Plug, 1/8" NPT, Zinc Plated Steel, Internal Hex Drive	1	HP2074
Shrink Tube SCT0001 Black 0.30 x 1"	1	M8001
Shrink Tube 0.30 x 2"	1	M8266
Connector Butt-Panduit 10-12	1	M8159
Ring Terminal, 12-10 Awg, 3/8" Eyelet	1	M8262
Fuse, Micro2, 10 Amps	1	M9044
Fuse, Mini, 10 Amps	1	M8172
Fuse, Mini, 30 Amps	1	M8180
Fuse Tap, Micro2 Fuse (APT/ATR)	1	M8999
Fuse Tap, Mini Fuse (APM/ATM)	1	M8998
Nylon Air Line, 1/4" OD, Black, 30 Feet, Bagged	1	M9047-30
Fir Tree Cable Mount w/ 8" Zip Tie	2	HP2096
Zip Tie	24	C11618

425 SERIES
KIT LAYOUT SHOWN



REQUIRED TOOLS

- Hoist or Floor Jack & Stands
- Safety Glasses
- Ratchet and Socket Set
- Torque Wrench
- Tube Cutter (included) or Sharp Utility Knife
- Multimeter or Test Light
- Pipe Thread Sealant
- Wire Stripper/Cutter
- Terminal Crimper
- Heat Gun
- Spray Bottle with Dish Soap/Water

PLEASE NOTE:
This Kit has Frame Requirements of:

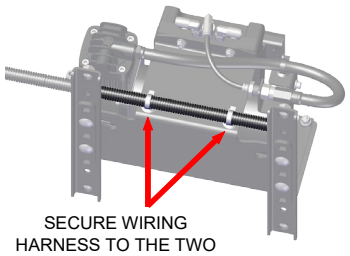
- Height of no more than 9" [230mm]+
- Width between 2 5/8" [66mm] to 4" [102mm]

+ **QuickMount Extender Brackets (Part #: HP10742)** are available separately to accommodate frame heights up to 11 5/16" [287mm]

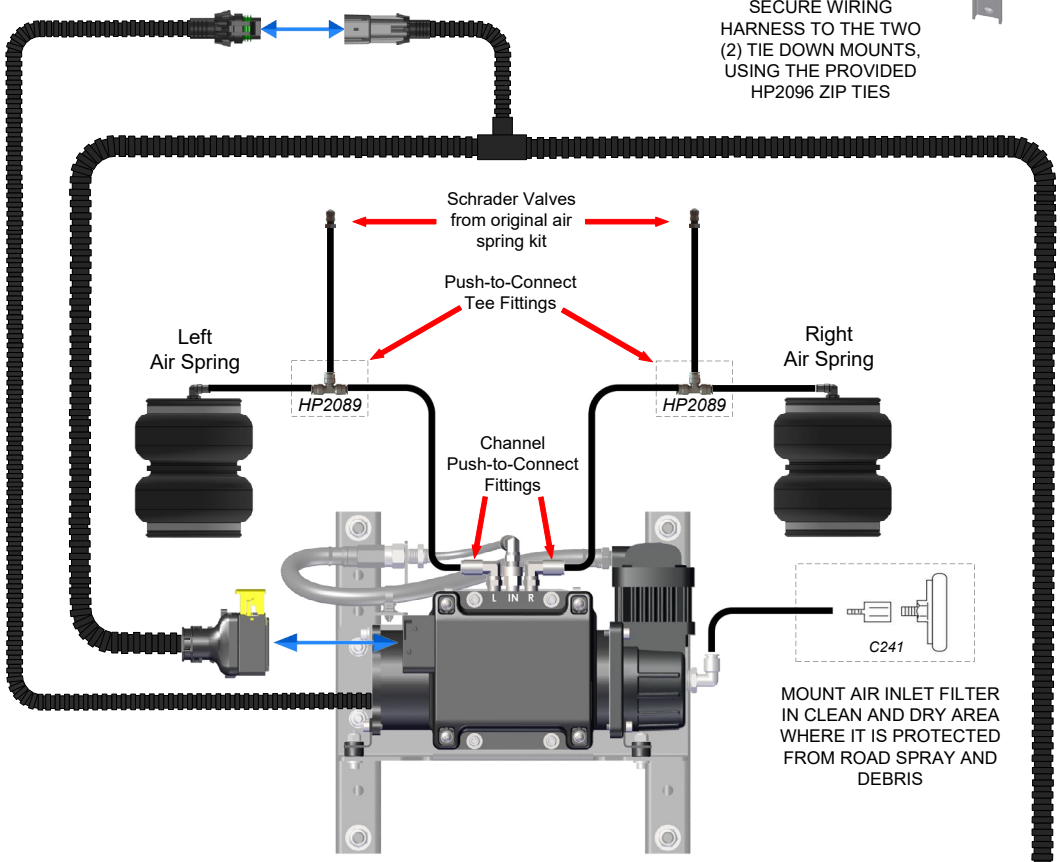
Contact your point of purchase for further info

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*

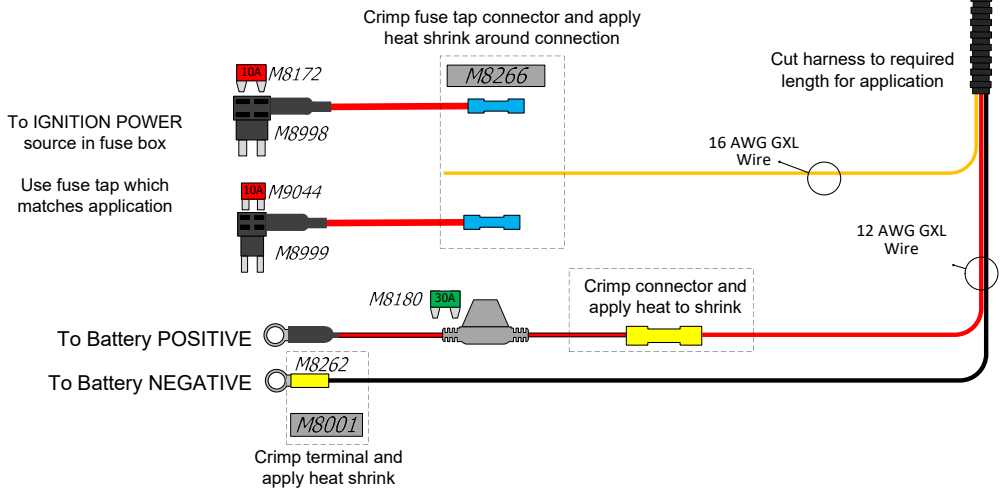
INSTALLATION OVERVIEW DIAGRAM: DUAL CHANNEL SHOWN



SECURE WIRING HARNESS TO THE TWO (2) TIE DOWN MOUNTS, USING THE PROVIDED HP2096 ZIP TIES



MOUNT AIR INLET FILTER IN CLEAN AND DRY AREA WHERE IT IS PROTECTED FROM ROAD SPRAY AND DEBRIS



INSTALLATION INSTRUCTIONS

1 MOUNT MANIFOLD AND AIR COMPRESSOR ASSEMBLY

Select a suitable location on the vehicle frame to mount the manifold and compressor assembly.

Frame Requirements (See Figure 1):

- Height of no more than 9" [230mm]+
- Width between 2 5/8" [66mm] to 4" [102mm]

+ **QuickMount Extender Brackets (Part #: HP10742)** are available separately to accommodate frame heights up to 11 5/16" [287mm]

Ensure there is adequate clearance of at least 15.75" [400mm] wide by 10.5" [267mm] tall, so that the kit assembly will not interfere with surrounding components when installed.

The optimal mounting location is typically on the passenger side frame rail beneath the cab of the vehicle.

MOUNTING RAIL ATTACHMENT

Fasten the manifold and compressor assembly to the mounting rails using the supplied 5/16" carriage bolts, washers, and nuts, in addition to the carriage bolt plates (as shown in Figure 1A).

The compressor assembly can be shifted vertically by routing fasteners through a different set of holes on the mounting rails if additional clearance is required

Leave the hardware partially loose to allow for adjustment once on the vehicle.

Install the assembly onto the frame of the vehicle using two U-bolts and four 3/8" flanged nylon lock nuts (as shown in Figure 1B).

Mounting brackets and rails are designed to fit both tall frames (Figure 1C) and short frames (Figure 1D) of the vehicle.

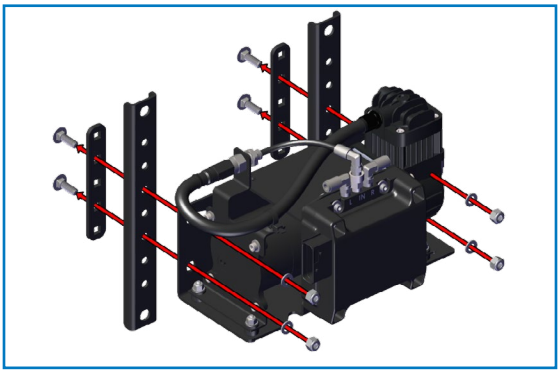
Compressor assembly must only be mounted horizontally as shown in example images

Adjust the rails using the slotted holes in the compressor assembly bracket to fit as best as possible to the frame of your vehicle.

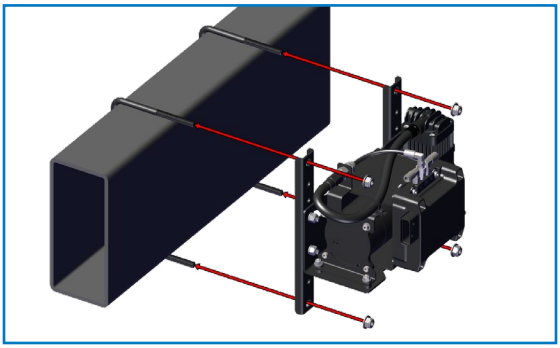
Ensure no vehicle components or existing lines or wires are pinched by the assembly when installed.

Torque 5/16" nuts to **20.3 N•m [15 ft-lbs].**

Torque 3/8" nuts to **13.5 N•m [10 ft-lbs]**.

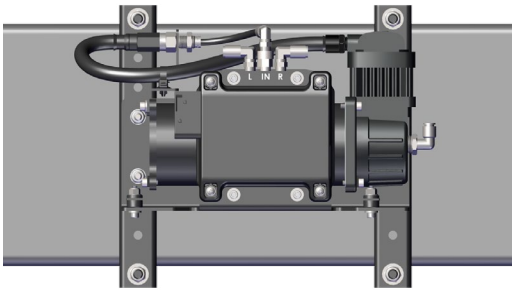


1A



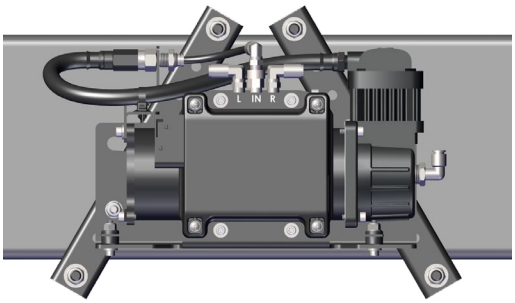
1B

TALL FRAME MOUNTING CONFIGURATION



1C

SHORT FRAME MOUNTING CONFIGURATION



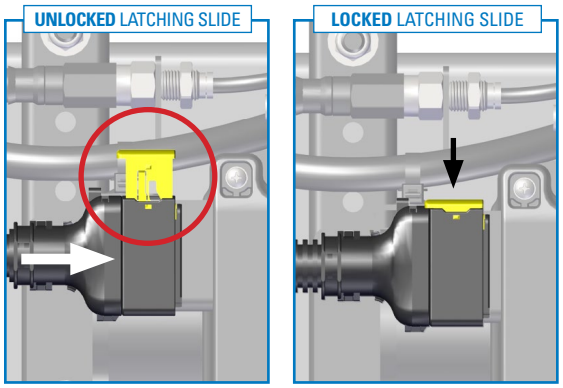
1D

2 CONNECT WIRING HARNESS TO MANIFOLD & COMPRESSOR

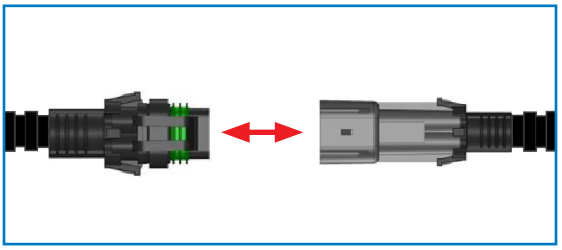
Ensure the yellow latching slide is in the raised "unlocked position" (highlighted in Figure 2A with a red circle). Push the harness connector onto the mating socket (as shown in Figure 2A with a white arrow) – the connector will stop approximately halfway on the socket.

Continue pushing in the connector while simultaneously pushing down on the yellow latching slide to fully seat and lock the connector (a fully seated connection should appear as shown in Figure 2B).

Finally, insert the compressor harness into it's receptacle by pressing them together until fully latched (see example in Figure 2C).



2A 2B



2C

3 INSTALL AIR LINES — DUAL & SINGLE CHANNEL

***PLEASE NOTE: 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 a hose cutter or a sharp utility knife.*

Route the air lines from the wireless air manifold to the air springs depending on your preferences of a Dual or Single Channel System.

Dual channel installation of this system is recommended. The control manifold can fill or vent both bags simultaneously giving the user outstanding performance and control.

DUAL CHANNEL MODE

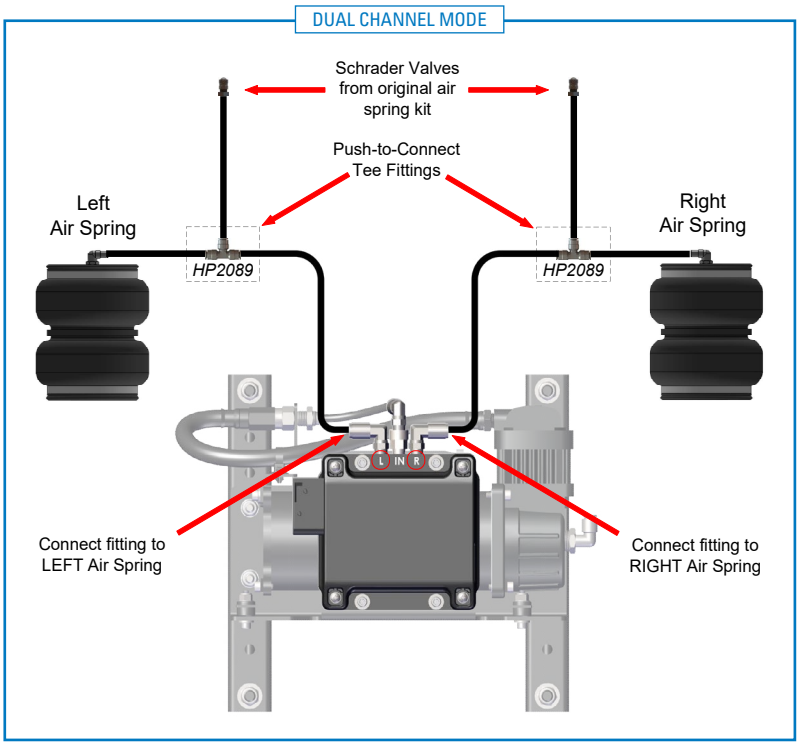
Using Figure 3A as a reference; connect the nylon tubing to both the left side and the right side channel's push-to-connect fittings.

Route both tubing lines from the wireless manifold controller to the rear of the vehicle, securing the lines with the provided zip ties.

Left/Right Air Springs are plumbed to their respective L/R marked ports on the manifold.

Be sure to avoid any moving parts, hot areas or potential pinch points.

If a manual fill option is desired: Connect the Left/Right side Schrader valve from the original air spring kit to each respective channel's nylon tubing using a supplied push-to-connect tee (see Figure 3A for details).



3A

SINGLE CHANNEL MODE

Single-channel mode offers an alternative installation approach that may be preferred by users seeking a simpler actuation.

Remove 90º push-to-connect fitting from the right side channel, and replace it with the 1/8" NPT plug supplied in this kit.

Teflon tape or pneumatic sealant must be applied to all fittings to prevent leaks.

Install finger tight plus 1-2 turns.

Check for leaks at this location after installation is complete (see details on Page 17).

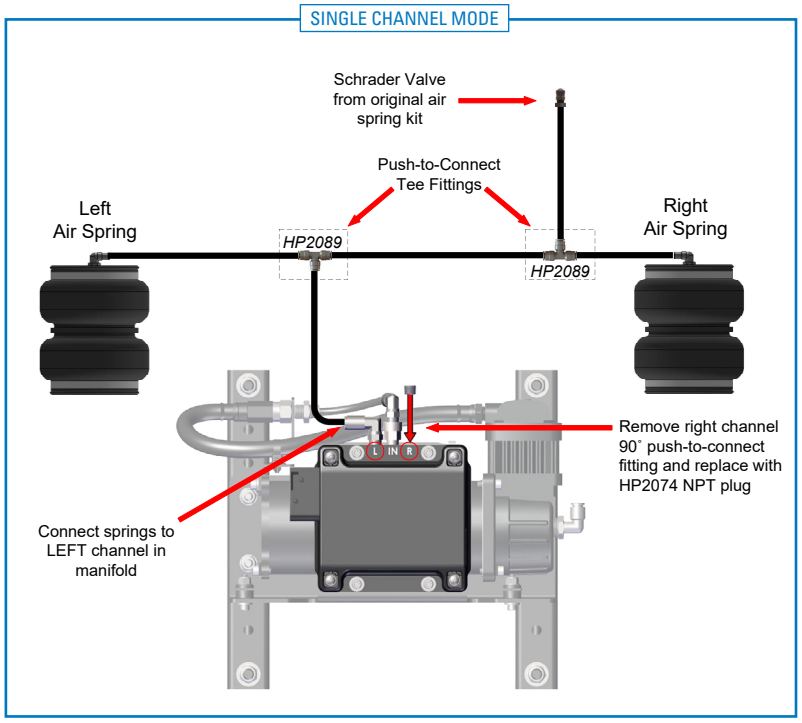
Connect the Nylon tubing to the left side channel's push-to-connect fitting.

Route the tubing line from the Wireless Manifold Controller to the rear of the vehicle, securing the line with the provided zip ties.

Be sure to avoid any moving parts, hot areas or potential pinch points.

Use a push-to-connect tee fitting and route a nylon tubing line to both the left side and right side air springs (see Figure 3B for details).

Add another push-to-connect tee fitting into the tubing line and connect the Schrader valve from the original air spring kit to this tee fitting.



3B

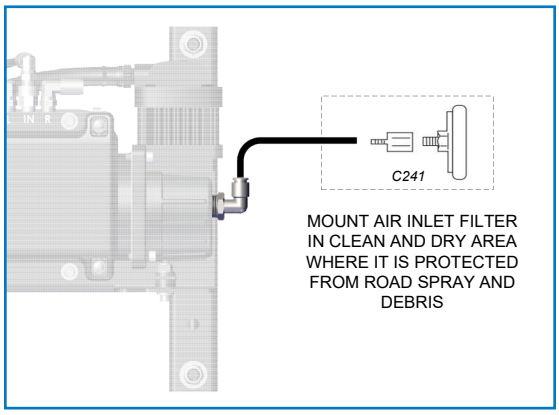
4 INSTALLING REMOTE AIR INLET FILTER

Find a clean and dry location sheltered from road spray and debris to install the remote air filter.

Screw the barbed tube fitting onto the remote air filter hand tight, then attach the air line to the barbed fitting (See Figure 4).

Slightly heating the air line will allow for easier installation onto barbed fitting.

Route the air line to the inlet port of the air compressor. Use the supplied zip ties to secure all air lines away from any heat sources and moving components.



4

5 ROUTE WIRING HARNESS

Route the preassembled wiring harness along, or in the truck frame, up through the engine compartment, to the battery.

Be sure to keep it away from all hot or moving parts.

Use the supplied zip ties to secure it completely to prevent it from coming loose.

Trim the excess wire length, making sure to leave some extra length to ensure the wiring can reach the battery and fuse box.

ASSEMBLING HARNESS WIRING

Open the fuse box under the hood of the vehicle Determine which "style" of fuse tap to use based on the size of an existing fuse's blades (see Figure 5A for "style" clarification).

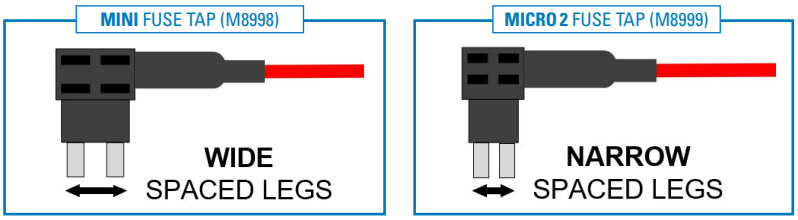
Slide the 2" heat shrink onto the fuse tap wire before crimping to the yellow SWITCHED POWER wire on the wiring harness (see Figure 5B).

Ensure the heat shrink is in place, covering the entire connector, then apply heat to shrink and seal the connection.

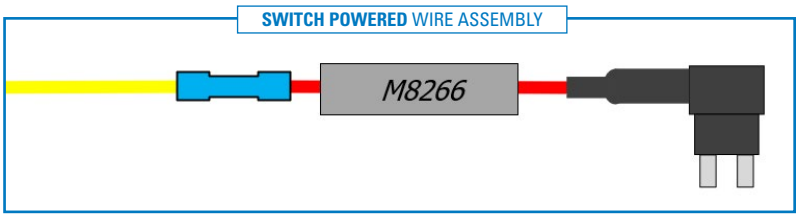
Take the POSITIVE (+) red wire of the harness and the preassembled fuse holder with 3/8" ring terminal assembly (included with the wireless harness) and crimp them together using a supplied butt splice connector (see Figure 5C for assembly).

Apply heat to the butt splice connector to shrink and seal the connection. Install the 30A fuse into fuse holder.

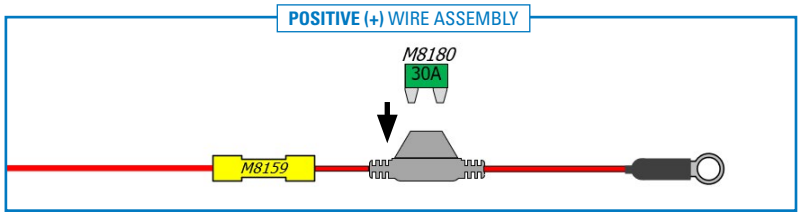
Slide the 1" heat shrink onto the remaining NEGATIVE (-) black wire of the harness before crimping a 3/8" ring terminal on to the end of it (see Figure 5D).



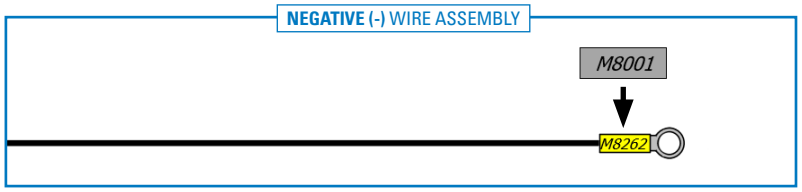
5A



5B



5C



5D

Ensure the heat shrink is in place, covering the entire connector, and apply heat to shrink and seal the connection.

CONNECT THE HARNESS TO THE BATTERY:

Connect the NEGATIVE (-) black wired ring terminal to an available connection point on the negative battery terminal.

Following the same procedure for the POSITIVE (+) red wired ring terminal, connecting it to an available connection point on the positive battery terminal.

FUSE TAP INSTALLATION:

Determine a switched ignition fuse, by using a voltmeter on the top of the fuse blades. The target fuse must have a current rating of 15 Amps or greater.

It is strongly recommended to avoid any critical circuits of the vehicle such as ABS, air bags, advanced driver systems, or communication/control modules.

A 12V accessory circuit is generally the best option.

Turn the ignition on, (without starting the engine) and using a voltmeter, determine if there is power to the fuse.

Check again with the ignition off, to ensure that there is now no power to the fuse, which indicates it is indeed switched power.

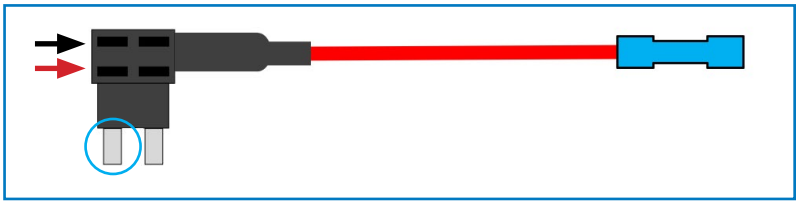
Remove the fuse currently occupying the location you intend to use.

Turn the ignition back on and determine which side of the receptacle has power. Note this side.

Turn off the ignition power to vehicle.

Place the removed fuse in the LOWER slot of the fuse tap (shown with a red arrow in Figure 5E).

Place the appropriate size 10A fuse in the TOP slot of the fuse tap (shown with a black arrow in Figure 5E).



5E

Orient the fuse tap so the non-wire-side fuse prong will connect to the powered side of the fuse receptacle (shown circled in Figure 5E). Fully seat fuse tap into fuse receptacle.

6 TESTING THE CONNECTION

Turn the ignition on.

Open the BRAVO™ Wireless Air Control's App on your Mobile device, ensuring you have downloaded the latest App from either the Apple App Store or Google Play Store (see Page 2 of this manual for more information).

Navigate to the Bluetooth settings by clicking the Bluetooth icon.

The wireless controller should appear as a connectable device with 'Pacbrake' in the advertised name.

Turn the ignition off.

The controller should power off and no longer be available as a connectable option.

If controller does not turn off when the ignition is off, remove the fuse tap and select a different fuse to use.

A constant 12 VDC power source can be used, giving the user the ability to control their air springs while the vehicle is off. However, the controller consumes approximately 40 mA in standby mode, which will slowly discharge the battery.

6 (OPTIONAL) CONNECTING EXTERNAL PRESSURE GAUGE

The wireless air controls system can connect to an external pressure gauge to allow for constant pressure monitoring without needing to use the Mobile App.

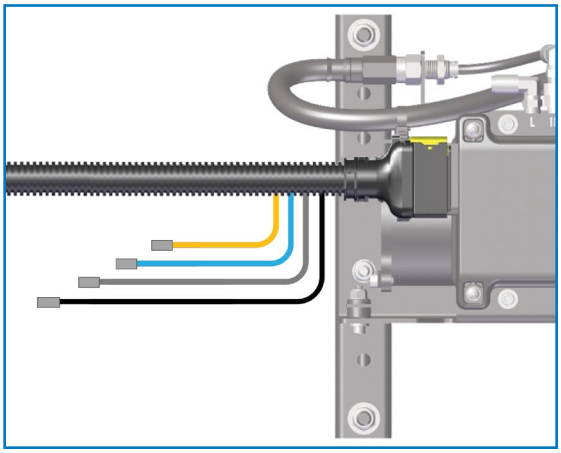
In the harness, near the manifold are four signal wires which are connected to the pressure sensors inside the manifold.

Signal wires from an external digital air pressure gauge can be connected to these wires to display the following pressure feedback:

YELLOW WIRE	RIGHT Air Spring Pressure
BLUE WIRE	Air Tank Pressure
GREY WIRE	LEFT Air Spring Pressure
BLACK WIRE	GROUND Reference for Pressure Signals

Ensure all wires are properly insulated and sealed.

PLEASE NOTE: Pressure gauge must be compatible with 0 – 200 psi, 5V pressure sensors with 0.5 – 4.5V ratiometric output.



6

Wireless Controls & User Guide **continues on the following page.**

WIRELESS CONTROLS

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

Standalone Remote (Part #: HP10660) *The Remote is a simplified alternative to the mobile app and is intended for air spring control only; the mobile app is required to access the full functionality needed for servicing this kit.*

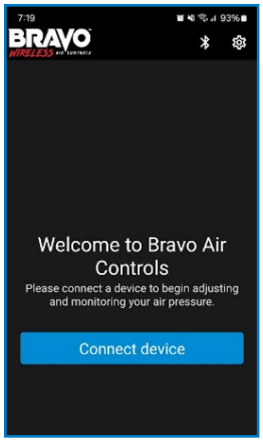
Reference the standalone ***Wireless Remote User Manual*** at: www.pacbrake.com/mm5/pdfs/L6616.pdf

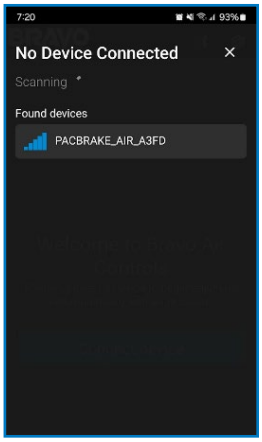
7 CONTROLLER USER GUIDE

PAIRING/CONNECTING WITH THE CONTROLLER:

- Switch vehicle to ignition power or idle engine to power controller
- Bluetooth and Location services must be enabled on mobile device
- Open the ***BRAVO™ Wireless Air Control Mobile App*** or power on the optional ***Wireless Air Control Remote***
- Press 'Connect device' to search for nearby available controllers
- Select your Pacbrake device from the list of available options
- A successful connection will display the controller name and firmware information. The controller ID will also be saved for future connections.

If the last paired wireless controller is powered and within range, the BRAVO™ Wireless Air Control Mobile app or optional wireless air control remote will connect automatically





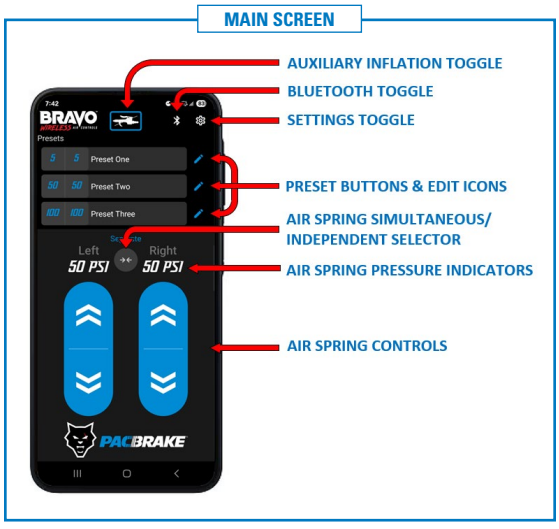
MAIN SCREEN CONTROLS: MOBILE APP

AIR SPRING CONTROLS

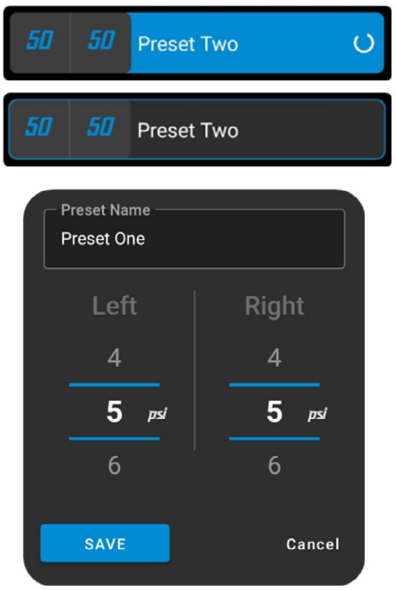
Press and hold the Air Spring Controls' ***Inflation*** (⌃) or ***Deflation*** (⌄) button to adjust the pressure in the air springs.

Use the ***Air Spring Simultaneous/Independent Selector*** to toggle whether to inflate/deflate air springs together or individually.

PLEASE NOTE: The wireless app does not limit the minimum or maximum pressure in your air springs. Inflate your air springs according to your air spring manufacturer's guidelines.



AIR SPRING PRESETS



Use a ***Presets Button*** to automatically inflate/deflate the air springs to saved pressure values.

The selected preset button will highlight while the system automatically adjusts the air springs.

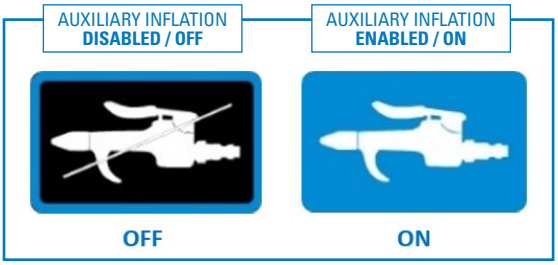
The row will de-highlight when the preset routine is complete.

If Air Spring Auto Top Up is enabled, the button border will remain highlighted as a visual indicator that the system will restore pressure loses to this preset setting.

Press the ***Edit Icon*** ( ) next to a preset to open the Preset Editor Panel.

- Use the ***Preset Name*** field to assign a custom preset name.
  - *Preset names are limited to 20 characters.*
- Use the ***Selector Wheel(s)*** to set air spring pressures.
  - *Values can be set either by scrolling the wheels or by tapping the selected value to open the keyboard and directly type in a value.*
- Press ***SAVE*** to store the selected preset name & pressure values.
- Press ***Cancel*** to close the preset editor without saving changes.

AUXILIARY INFLATION TOGGLE



For systems <u>without</u> an air tank and with an optional air accessory kit (*Part #: HP10723*) installed.

Use this toggle to engage the air compressor for inflating external devices such as tires, recreational equipment, and other inflatables.

PRESSURE INDICATOR

The Pressure Indicator shows live data of the pressure in each air spring.

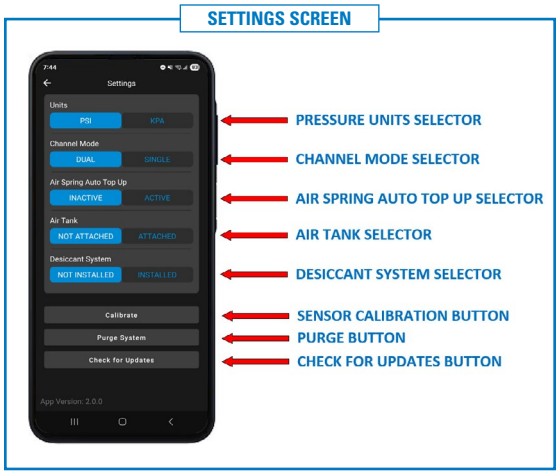
BLUETOOTH TOGGLE

Use the ***Bluetooth Toggle*** to display the connected device and manually disconnect from the controller.

SETTINGS TOGGLE

Use the ***Settings Toggle*** to display the Settings Screen and set user preferences.

SETTINGS SCREEN CONTROLS



CHANNEL MODE SELECTOR

Use this selector to set the controller to function in ***Dual Channel*** or ***Single Channel*** mode.

DUAL CHANNEL

- Control each air spring's pressure independently with separate buttons for each spring.
- Allows for more accurate side-to-side leveling of the vehicle.

SINGLE CHANNEL

- Control the pressure of both air springs with one button.

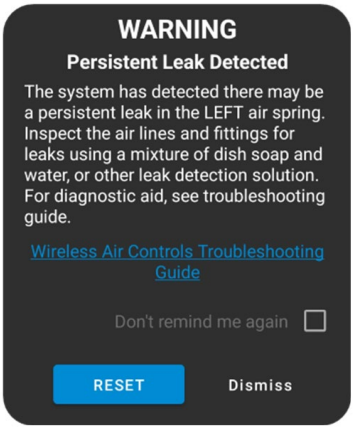
AIR SPRING AUTO TOP UP SELECTOR

Use this selector to activate automatic ***Air Spring Pressure Top-Up***.

When this setting is *ACTIVE*, the controller will remember the last commanded pressure settings set by the user through either manual control or the preset function.

If a drop in pressure is detected, the system will automatically inflate the low air spring(s) to restore the desired user setting.

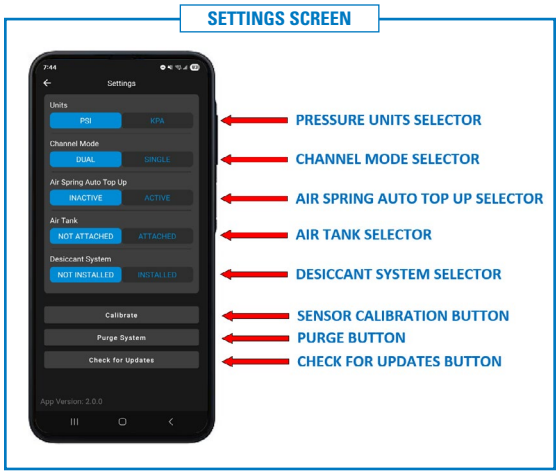
This function also monitors usage and will automatically notify the user through an in-App WARNING if there is a persistent leak detected in the system requiring frequent top-ups.



PLEASE NOTE: *When a load is removed from the suspension system, the air bag pressure will decrease as the ride height increases. This pressure drop may trigger* ***Air Spring Auto Top Up****, which will refill the air bags to their set pressure and may further increase ride height.*

To minimize unexpected ride height changes, **deactivate *Air Spring Auto Top Up*** while: unloading, parking on side-hills or if the BRAVO™ system is paired with sleeve style/rolling lobe air bags.

SETTINGS SCREEN CONTROLS



CHANNEL MODE SELECTOR

Use this selector to set the controller to function in ***Dual Channel*** or ***Single Channel*** mode.

DUAL CHANNEL

- Control each air spring's pressure independently with separate buttons for each spring.
- Allows for more accurate side-to-side leveling of the vehicle.

SINGLE CHANNEL

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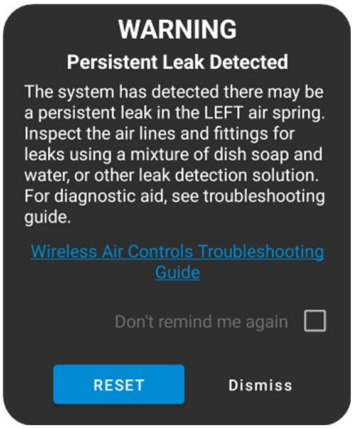
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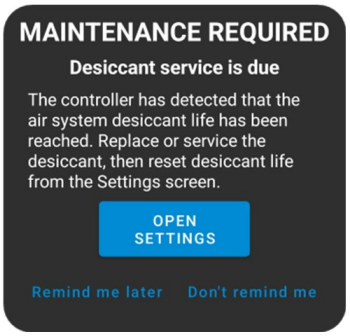
To minimize unexpected ride height changes, **deactivate *Air Spring Auto Top Up*** while: unloading, parking on side-hills or if the BRAVO™ system is paired with sleeve style/rolling lobe air bags.

AIR TANK SELECTOR

Use this selector to tell the controller whether an air tank is installed with the system.

When set to ***ATTACHED***, the compressor will maintain the air tank pressure between 105 – 135 psi.

DESICCANT SYSTEM SELECTOR

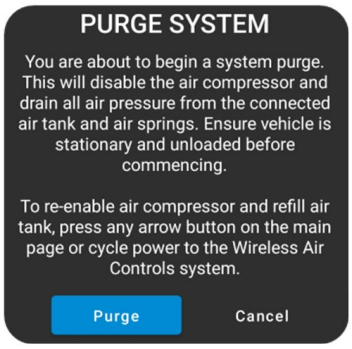


Use this selector to tell the controller whether a desiccant system (Water Separator) is installed.

When set to ***INSTALLED***, the controller will monitor system usage and notify the user through the app when to replace the desiccant media to maintain optimal performance.

- *See manual included with that kit for servicing information.*
- *The risk of system freeze-up in cold conditions can be eliminated by installing a Water Separator (Part #: HP10720) available at:* www.pacbrake.com/HP10720

PURGE BUTTON



- ***PLEASE NOTE: Ensure the vehicle is stationary, on the ground and unloaded before beginning a purge.***

Press ***Purge*** to begin a system purge.

- *Reference SERVICE NOTICE on Page 3 of this manual*

This disables the air compressor and drains air pressure from the system, including air springs, air tank, and other connected accessories.

SENSOR CALIBRATION BUTTON

With the vehicle parked on level ground, use the Purge function to remove air pressure in the system.

Press the ***Calibrate*** button to remove any offset or error from the pressure readings.

CHECK FOR UPDATES BUTTON

Press the ***Check for Updates*** button when connected to your BRAVO™ device to see if any updates are available for your system.

- *All updates will be automatically presented to the user when the become available.*
- *Users can choose to dismiss the update notification. This button allows users to retrieve the update later if they choose not to update right away.*

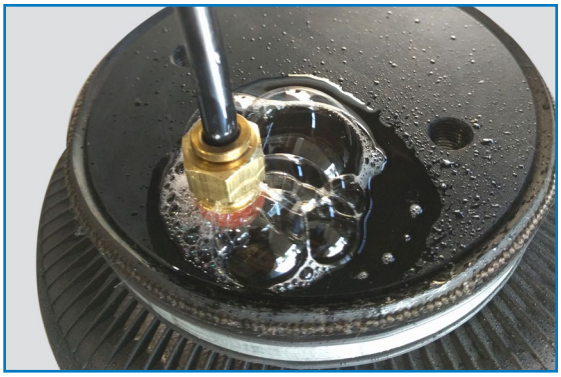
8 CHECK SYSTEM FOR LEAKS

With the vehicle on the ground, inflate both air springs to 10 psi less than the maximum recommended pressure for the air spring part number included with your kit (see *MIN/MAX PSI* chart on the following page for reference). Then use a mixture of dish soap and water on all air line connections to detect any air leaks. Large, expanding bubbles indicate a leak (as shown in Figure 8).

Repair as necessary and retest.

Inflate air springs to a predetermined value and on following day recheck pressure. If one or both of air springs have lost more than 5 psi, an air leak is present.

Leak must be repaired, and then retested until no leaks exist.



**Air Spring & NPT Air Fitting may differ between kits* 8

CONGRATULATIONS! You have completed the install

After Installation & Legal continues on the following page.

AFTER COMPLETING THE INSTALLATION

Do not exceed maximum vehicle payload. Failure to do so may result in failure of an air suspension kit and/or damage to your vehicle.

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.

SERVICING YOUR VEHICLE WITH AIR SUSPENSION

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)*

WARRANTY

See accompanying limited warranty included with this kit for details.

DISCLAIMER

Driving while distracted can result in loss of vehicle control that may lead to an accident, severe personal injury, or death.

The driver's primary responsibility is in the safe and legal operation of a vehicle, and use of any hand-held devices, other equipment, or vehicle systems which take the driver's eyes, attention and focus away from the safe operation of a vehicle or which are not permissible by law should never be used during operation of the vehicle.

LEGAL

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- Android is a trademark of Google LLC.
- The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License.

FCC REGULATORY APPROVAL

Contains Transmitter Module FCC ID: 2ADHKWBZ451

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

IC REGULATORY APPROVAL

Contains transmitter module IC: 20266-WBZ451

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

1) This device may not cause interference, and

2) This device must accept any interference, including interference that may cause undesired operation of the device.

APPROBATION RÉGLEMENTAIRE IC

Contient le module émetteur IC: 20266-WBZ451

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

1) l'appareil ne doit pas produire de brouillage, et

2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.