# Installation Manual

PACBRAKE®

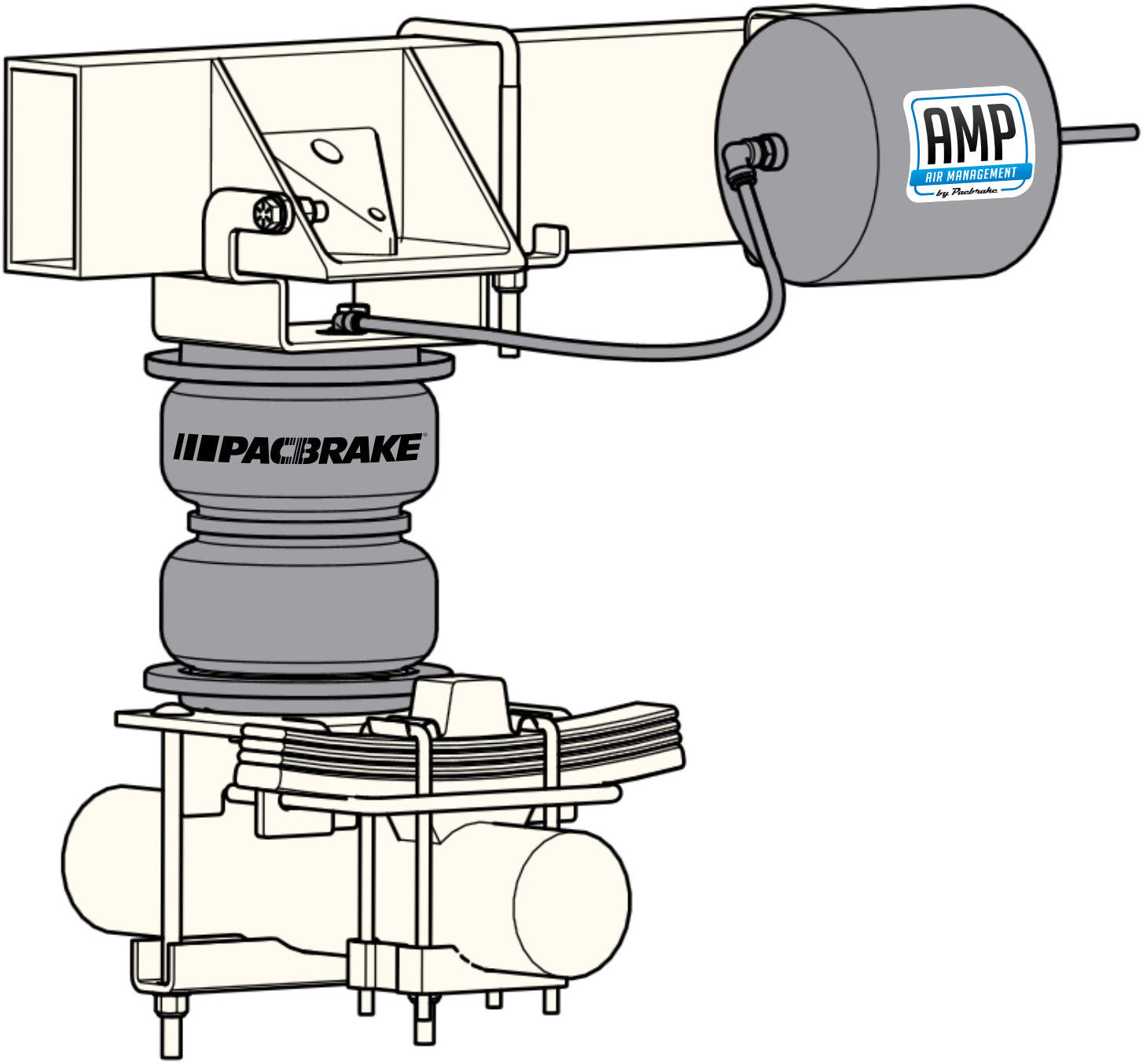
www.pacbrake.com 800.663.0096


## HP10302

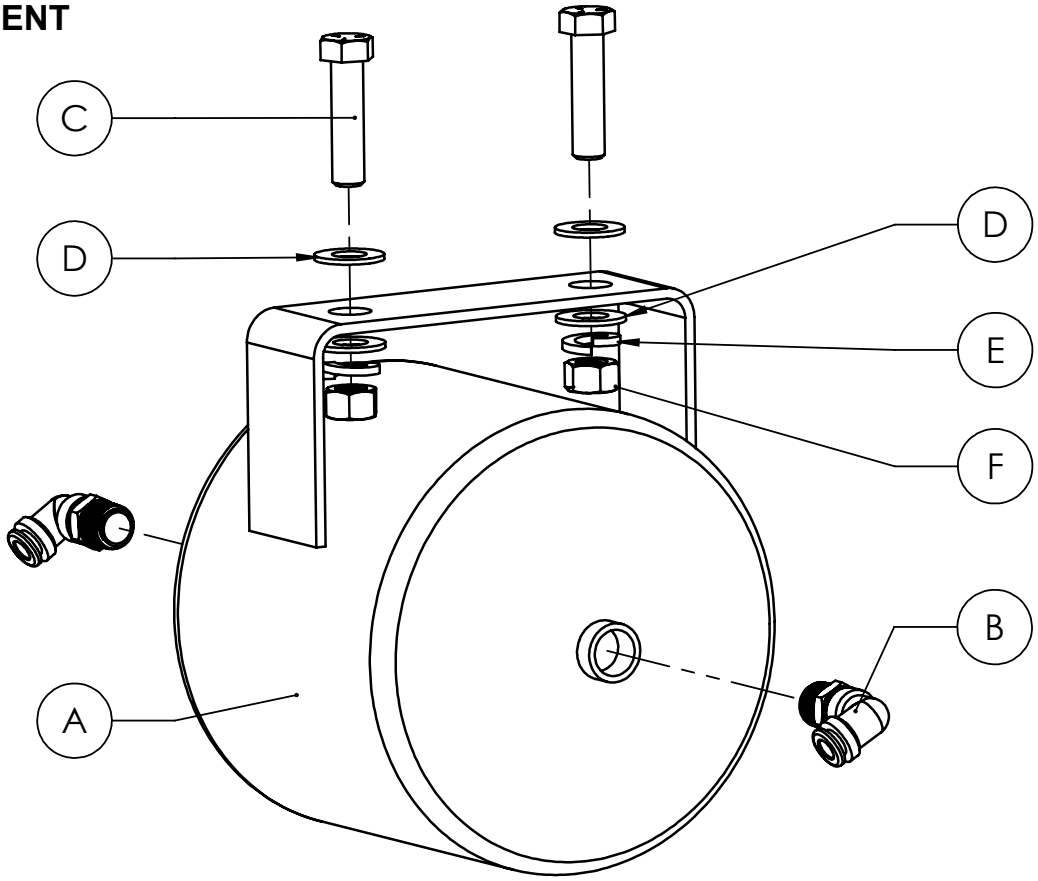
*Air Spring Accumulator Tank*

AMP AIR MANAGEMENT by Pacbrake

Thank you and congratulations on the purchase of an AMP Air Spring Accumulator Tank Kit. This kit increases the working volume of your air spring system and reduces the harsh ride associated with some air springs. Please read the entire installation manual prior to starting the installation to ensure you can complete the installation once started.



## KIT CONTENT




## KIT CONTENTS

| | | | |
|---|---|---|---|
| A | Auxiliary air tank .5 GAL | (2) | C11940 |
| B | ¼" NPT 90˚ Fittings | (4) | C10572 |
| C | ⅜" x 1.5" NC Hex Head Cap Screw | (4) | C18018 |
| D | ⅜" Flat Washer | (8) | C653 |
| E | ⅜" Lock Washer | (4) | C18007 |
| F | ⅜" NC Nut | (2) | C11572 |
| G | Nylon Air Brake Tube | (192") | M8280 |
| H | Tube Cutter | (1) | HP10208 |

## REQUIRED TOOLS

- Hoist or floor jacks
- Safety stands
- Safety Glasses
- Standard open-end combo wrenches
- Ratchet
- Metric and standard sockets
- 5⁄16" drill bit (very sharp)
- Heavy duty drill
- Hose cutter. Razor blade or sharp knife
- Air compressor or compressed air source
- Spray bottle with dish soap / water solution

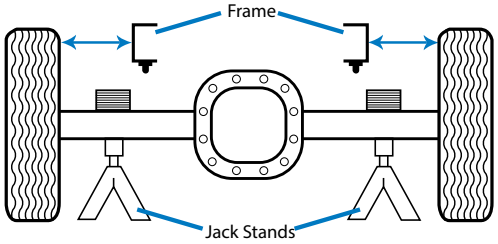
***Make sure all the items shown in the photo are provided in your kit before starting the installation.***

## BEFORE YOU START

- ***NOTE:*** *If your vehicle is already equipped with air bags it will be necessary to support the axle, letting the axle hang under the vehicle with no support can over extend the air bag and cause damage to it. Failure in doing so may result in a void warranty.*
- Pacbrake recommends using a good quality anti-seize on all fasteners. This will reduce the chance of corrosion on the fasteners and will help facilitate removal, if required at a later date

## 1 RAISE THE REAR AXLE:

- Park the vehicle on a level surface.
- Raise the rear axle high enough to obtain a comfortable working height, it may be necessary to remove both rear wheels.

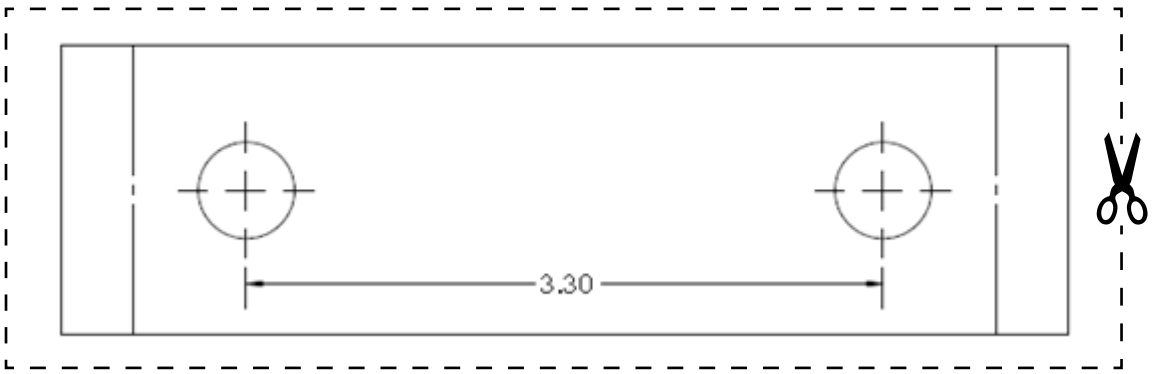



**1**

## 2 INSTALL THE AUXILIARY TANK

- Install the air fittings into the tank according to the kit contents diagram.
- Choose two suitable mounting locations under your vehicle for the air tanks.
- Cut out the image below and use it as a template for drilling the mounting holes.
- Drill four holes using a ⅜" drill bit and mount the air tanks with the supplied fasteners.

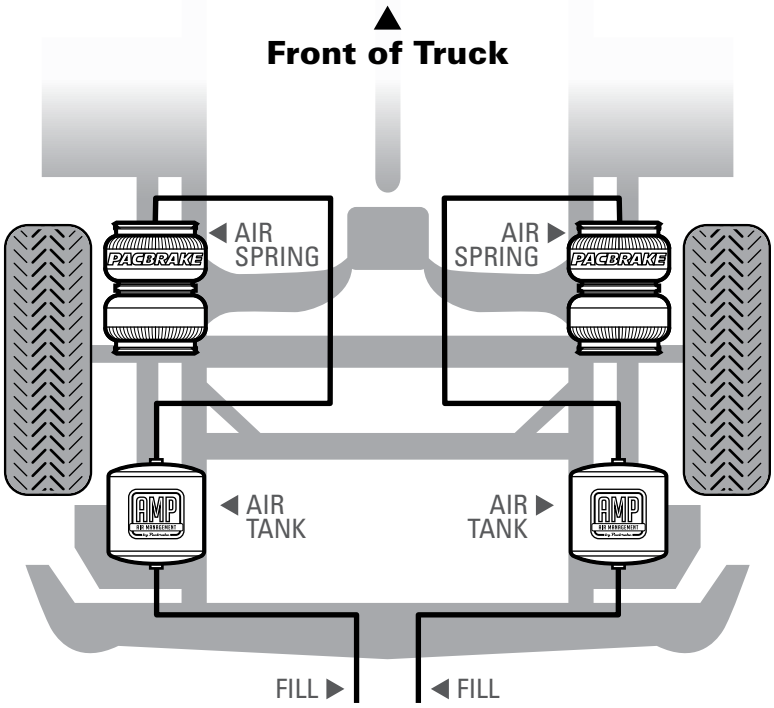
**NOTE: When printing out the drill template online make sure your printer is not scaling the image or stretching it. Open your print dialogue box and select print at 100% scale.**




**2** DRILL TEMPLATE

## 3 INSTALL THE AIRLINE

Use the supplied tube cutter and black airline to install the air tanks into the system according to figure 3.




3

## 4 CHECK SYSTEM FOR LEAKS:

- Inflate both air springs to 90 PSI, and then use a mixture of dish soap and water on all air line connections to detect any air leaks. Repair as necessary and retest.
- Inflate the air springs to a predetermined value, and on the following day recheck the pressure. If one or both the air springs have lost pressure, an air leak is present. The leak must be repaired, and then retested until no leaks exist.

## 5 AFTER THE INSTALLATION IS COMPLETED, PLEASE REMEMBER:

- Install the wheels (if they were removed), and torque the fasteners to the manufacturer's specifications.
- Re-torque all the fasteners after the first 500 miles of driving.
- For safe and proper operation, never operate the vehicle under the minimum of 10 PSI or over the maximum of 100 PSI. Staying within the pressure limit will ensure maximum air spring life. Failure in doing so may result in a void warranty (see below).

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## OPTIONAL ACCESSORIES

Pacbrake offers an optional dual needle air gauge to monitor the pressure in each spring from the vehicles cab. Pacbrake offers a full line of air compressors, air tanks and solenoids to control your air spring system.

## WARRANTY

To be eligible for warranty, owner must submit their warranty card or register online within 30 days of purchase date.

***NOTE:*** *The owners warranty will be void if air springs run with less than the minimum of 10 PSI.*