

Installation Manual

PACBRAKE®

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HP10152 / HP10154 / HP10156



HP10152: 2" AMP Air Suspension Spacer Kit

HP10154: 4" AMP Air Suspension Spacer Kit

HP10156: 6" AMP Air Suspension Spacer Kit





Before starting the installation
Make sure all the items shown in the photo are provided in your kit. Should you be missing any items please call Pacbrake Customer Service @ 1-800-663-0096

NOTES:

HP10154 is shown in the photo, this is a 4" spacer kit.

HP10156 contains all the same hardware except item "A" is a HP1320 6" spacer.

The HP10152 2" kit, item "A" is a HP1300 2" spacer. This kit also has 4 HP1307 button head capscrews replacing 4 of the HP1183 capscrews.

KIT CONTENTS

- A Air Spring Spacers (2) (HP13010)
- B $\frac{3}{8}$ " - 24 x 1 capscrews (8) (HP1183)
- C $\frac{3}{8}$ " Lock Washer (4) (C18007)

REQUIRED TOOLS

- Torque Wrench
- $\frac{7}{32}$ " Allen Wrench 6" long
- $\frac{3}{8}$ " drive ratchet
- 6" long $\frac{3}{8}$ " drive extension
- $\frac{3}{8}$ " drive $\frac{9}{16}$ " shallow socket

Thank you and congratulations on the purchase of an AMP air suspension spacer kit. Please read the entire manual prior to starting the installation to ensure you can complete it once started.

IMPORTANT:

This air suspension spacer kit is designed to be used ONLY where the distance of the upper and lower mounting locations of the air spring kit have been increased due to changing of the axle block or spring packs. DO NOT install spacer kits if this dimension has not changed. Less suspension travel will result if installing a spacer kit that is larger than the amount which the upper and lower bracket have changed.

BEFORE STARTING, READ THESE INSTRUCTIONS THOROUGHLY.

1 INSTALLATION OF HP10152 2" AIR SPRING SPACER KIT. FOR HP10154 & HP10156 PROCEED TO STEP #2

Install the two $\frac{3}{8}$ " - 24 x 1" button head capscrews (HP1307) and $\frac{3}{8}$ " lock washers into the non threaded hole of the 2" spacer (from the inside facing out). Place the spacer end with button head capscrews onto the bottom (the end without the air inlet port) of the air spring and tighten the cap screws to 20 ft-lbs, 27 N•m using a $\frac{7}{32}$ " Allen key.
 NOTE: It is not necessary to install the lower roll plate of the air spring kit. Proceed to step #3.

Repeat this procedure on the second spacer / air spring.

STEP 1-1



STEP 1-2



STEP 1-3



2 INSTALLATION OF HP10154 & HP10156

Install the two $\frac{3}{8}$ " - 24 x 1" Hex head cap screws and $\frac{3}{8}$ " lock washers in to the non threaded hole of the spacer from the inside facing out. Place the spacer and fasteners on to the bottom (the end with out the air inlet port) of the air spring, using a $\frac{9}{16}$ " universal joint and extension tighten the cap screws to 20 ft-lbs, 27 N•m.

NOTE: It is not necessary to install the lower roll plate of the air spring kit. Proceed to step #3.

Repeat this procedure on the second spacer / air spring.

STEP 2-1



STEP 2-2



STEP 2-3



3 Position the air spring with the air inlet port towards the direction as instructed in your air spring installation manual. Place the lower bracket onto the air spring spacer and align the mounting holes. Install the two $\frac{3}{8}$ " - 24 x 1" hex head capscrews, lock and flat washers through the lower bracket to the threaded holes of the spacer. Loosely fasten the assembly together. Do not tighten the capscrews fully until final adjustment is performed as instructed in the air spring manual.

Note: the $\frac{3}{8}$ " - 24 x 1" Hex head capscrews are supplied in the air spring spacer kit. Do not use the $\frac{3}{8}$ " - 24 x $\frac{7}{8}$ " capscrews supplied in the air spring kit unless it uses counter sunk capscrews, then it is permissible.

STEP 3



- 4 Turn the assembly over so it is standing on the lower bracket. Install the upper roll plate and air fitting. Install the air supply fitting into the top of the air spring using thread sealant.

STEP 4



- 5 Using the $\frac{3}{8}$ " - 24 x $\frac{7}{8}$ " capscrews, lock and flat washers supplied in the air spring kit, loosely fasten the upper bracket to the assembly. Do not tighten the capscrews fully until the final adjustment is performed as instructed in the air spring installation manual.

STEP 5



Repeat this steps 3-5 for the other air spring.

NOTE: Photos in this manual are for reference only. They were taken using the HP10019 universal air spring kit. All procedures will be the same for all air spring kits, consult the air spring installation manual provided with your air spring kit or go to www.pacbrake.com for all pacbrake install manuals.