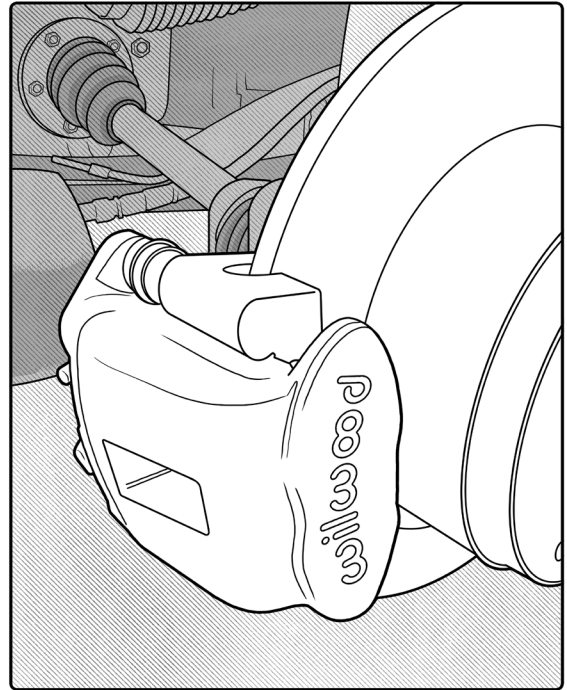




INSTALLATION MANUAL

WILWOOD REAR CALIPER KIT

•22-6154-0 •22-6464-0
•22-6155-0 •22-6165-0



Please read this installation manual completely before you begin the installation.

IMPORTANT!

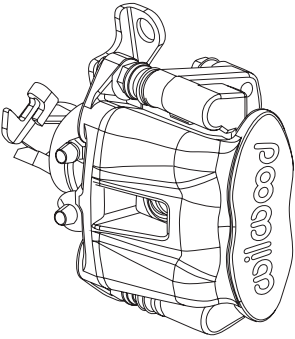
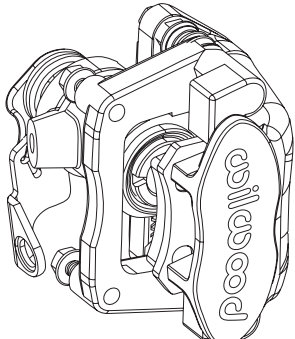
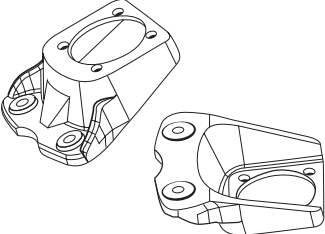


It is highly recommended to have an experienced automotive technician install this kit.

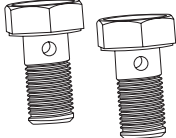

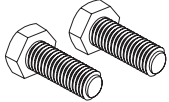
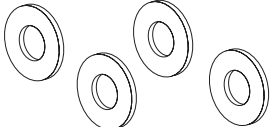
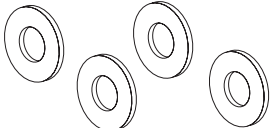
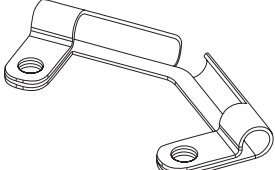
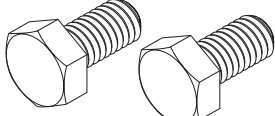
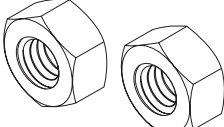
Prior to installation, please make sure:

- A. EMPI 20.6 mm bore master cylinder (part # 16-9554-0) is installed
Note: This master cylinder is required to run front and rear disc brakes.
- B. All brake lines not being replaced are in good working condition
 - I. No pinched steel lines
 - II. No swelling or cracking in rubber lines
- C. Current components not being replaced have no signs of leakage
 - I. Front Calipers
 - II. Master Cylinder
- D. Brake fluid is in good condition (recommend replacing)
- E. Front rotors and rear rotors are within specification
- F. Front pads are in good condition
 - I. No squealing, squeaking or grinding
 - II. No vibrating or wobbling
 - III. No cracking

If any components listed above show signs of leakage or excessive wear, replace the component prior to installation of this kit

KIT CONTENTS:

ITEM	QTY.	DESCRIPTION	
A	1	Loaded Wilwood Caliper (Left)	
B	1	Loaded Wilwood Caliper (Right)	
C	2	Cast Brake Bracket	
D	2	Steel Braided Hydraulic Brake Line 19 3/4"	
E	2	Steel Braided Hydraulic Brake Line 12"	

ITEM	QTY.	DESCRIPTION	
F	4	Banjo Bolts	
G	2	Brake Line Plug	
H	4	Caliper Bracket Mounting Bolts	
I	4	Spacer Washer (1/32")	
J	4	Spacer Washer (1/16")	
K	2	Brake Line Routing Bracket	
L	4	Routing Bolt M6 x 1.0	
M	4	Routing Nut M6 x 1.0	

TOOLS REQUIRED:

- 10 mm line wrench
- 13 mm end wrench
- 14 mm end wrench
- 17 mm end wrench
- 10 mm deep socket
- 9/16 end wrench
- Flathead screwdriver
- Ratchet
- Torque Wrench
- Needle nose pliers
- Brake fluid pan
- Brake bleeding tool

REMOVAL:

Remove existing rear brake system up to hydraulic line mounting point.

Use the provided brake line plug (G) to prevent fluid from spilling during removal and installation.

NOTE: If converting from drum brake system, full replacement of the emergency brake cable is required.

EMPI Part Number: 22-6096-7 (68" overall length)
For **Swing Axle 58-67'** and **I.R.S. 73-79'**

EMPI Part Number: 22-6099-7 (72" overall length)
For **Swing Axle 68'** and **I.R.S. 68-72'**

Cleaning and Inspection:

Once removal is complete take the time to inspect components and clean all mounting surfaces.

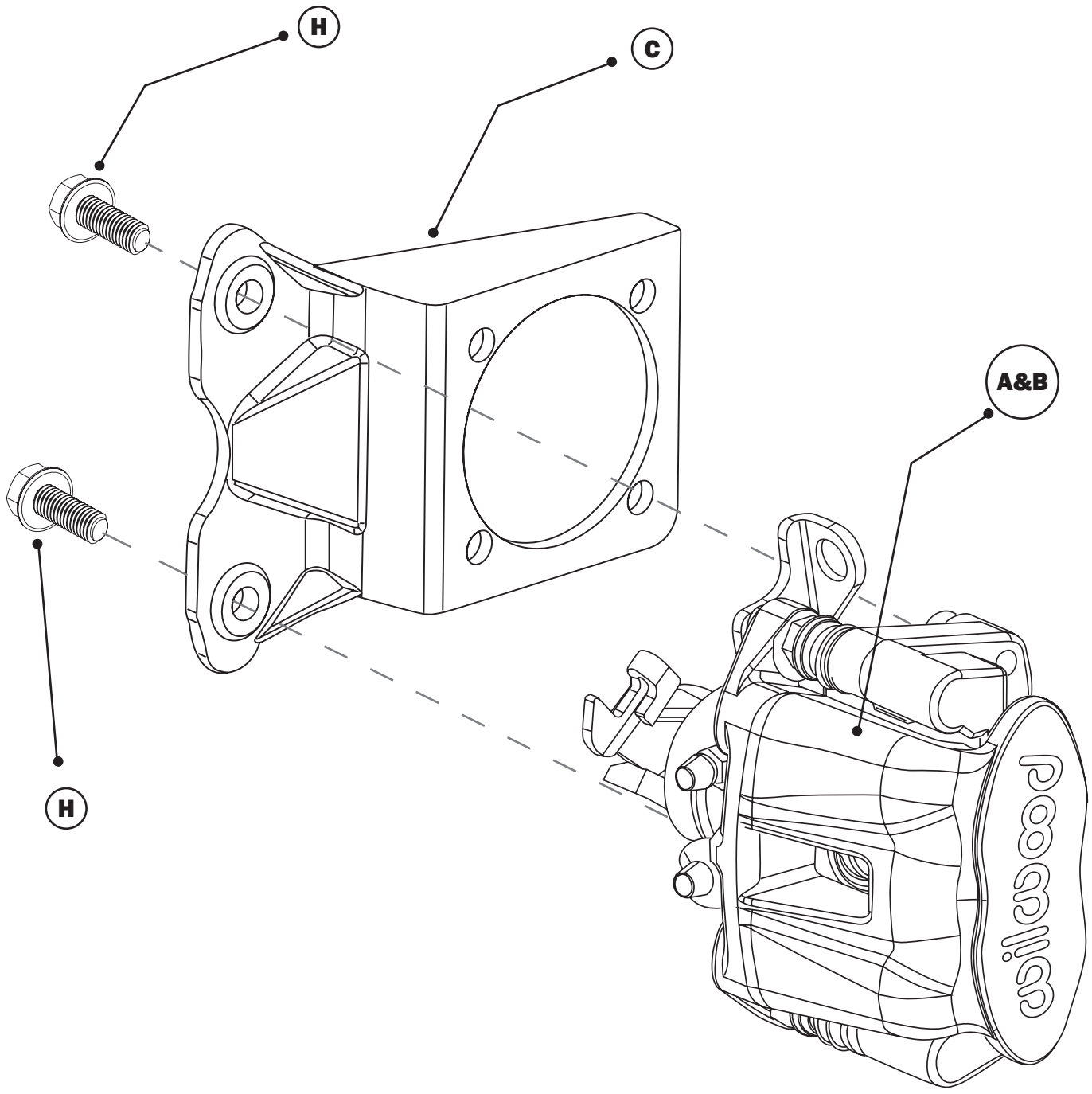
- Inspect the condition of the rear rotors for grooving, warping and heat spots.
- Measure rotor thickness to ensure they are not worn beyond the minimum specification of **7.5 mm**.
- Resurface rotors or replace if necessary.

If converting from drum brakes:

- Ensure all grease is removed from axle
- Inspect splines ensuring they are free of any debris, excessive wear or damage.



ASSEMBLY DIAGRAM:



If installing the cast brake bracket (E) begin here

- 1 Install your forged steel mounting brackets, seals, gaskets and bearing retainer.
Using a **17 mm** socket and torque wrench, tighten mounting bracket bolts to **43 ft·lbs**
- 2 Install Rotor tightening spindle nut to **217 ft·lbs**

If the cast brake bracket (E) is already installed begin here

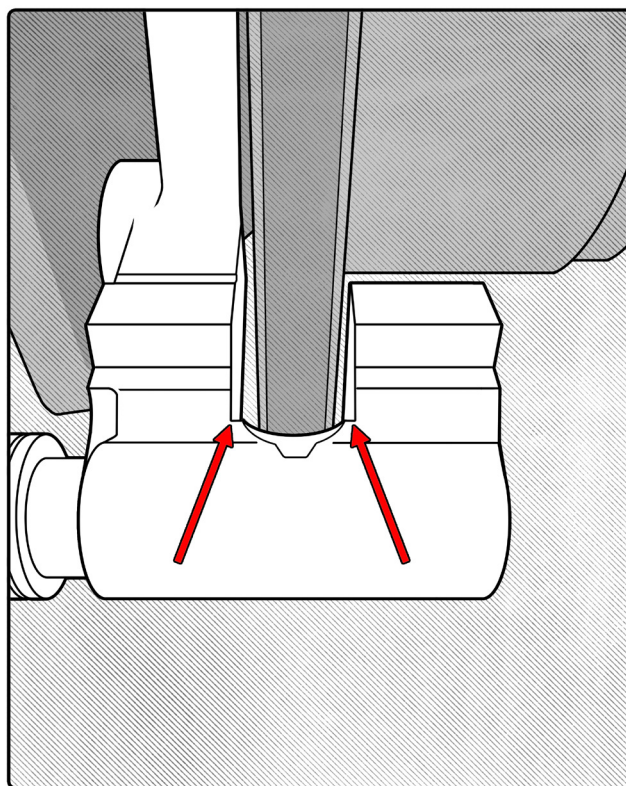
3 Mount your new loaded Wilwood caliper and check for proper clearance between the caliper bracket and the rotor as shown in **Figure1**

If clearances differ, use supplied spacers (**I & J**) to achieve even rotor clearance.

Once clearance is achieved:
Use a **17 mm** socket and torque wrench to tighten caliper bracket mounting bolts to **80 ft·lbs**

Note: Guide pin bolts to caliper bracket have been pre-torqued

Figure1



Hydraulic brake line install:

- 4
 - Begin by removing the brake line plug installed in the removal process
 - Install the new hydraulic line (**D** or **E**)* at male end first, followed by the banjo fitting and banjo bolt (**F**) to the brake caliper.
 - Tighten the male end using a **14 mm** and **17 mm** wrench.

* *Dependent on swing axle or I.R.S. suspension*

RIGHT BRAKE SHOWN (I.R.S.)

Route the hydraulic brake line as shown in **Figure2**

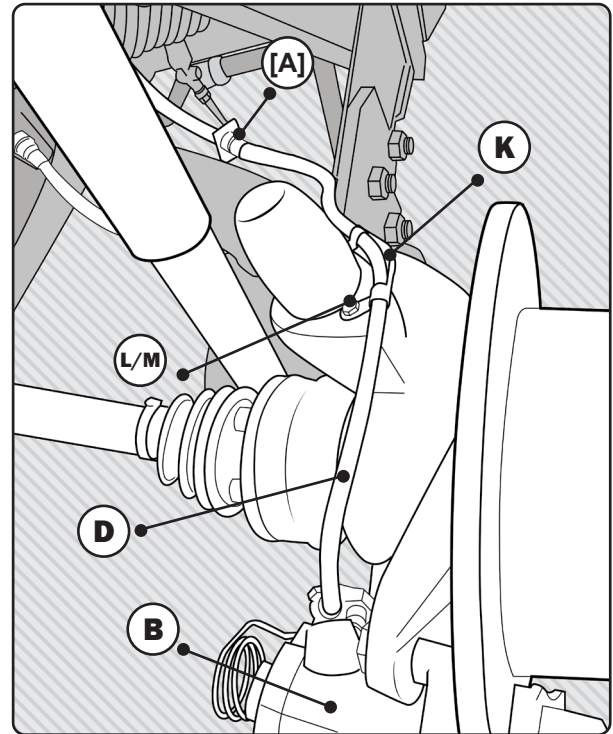
Ensure alignment of the banjo fitting allows for proper fitment to the caliper.

If it does not, rotate brake line at the mounting point **[A]** to achieve proper alignment.

Once properly aligned, install the brake line routing bracket **(K)** using bolt **(L)** and nut **(M)** onto the preexisting holes where the bump-stop mount is located.

Install Banjo bolt and torque to **14 ft·lbs.**

Figure2



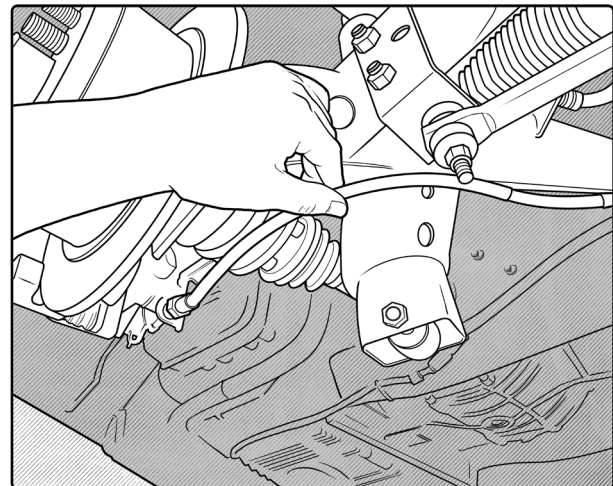
RIGHT BRAKE SHOWN (I.R.S.)

Route emergency brake line cable as shown in **Figure3**

Install the emergency brake line cable to the caliper.

Note: If the brake cable is not long enough, loosen adjustment screws located at the hand brake lever.

Figure3



7

Bleed the brake system and check for leaks at all connection points