



Factory Five Racing, Inc.

Part Number: 16303

Revision: A

Effective Date: 9/2/16

By: J. INGERSLEV

2015 IRS 13" BRAKES

INSTALLATION INSTRUCTIONS

ITEM NO.	PART NUMBER	DESCRIPTION	NO. SPINDLE/QT.
1	REAR BRAKE CALIPER	BRAKE CALIPER BRACKET	1
2	518.2.3.4M - Hex flange screw, M14 x 2.0 x 50 --34H	16301	2
3	ANA-M14-N	14759	2
4	2015 IRS BRACKET	16235 - IRS OUTSIDE CALIPER MOUNT BRACKET	1
5	2015 IRS BRACKET	16234 - IRS INSIDE CALIPER MOUNT BRACKET	1
6	2015 IRS BRACKET	16296 - IRS SPACER	1
7	2015 IRS BRACKET	16297 - IRS ADAPTER BRACKET A	1
8	2015 IRS BRACKET	16298 - IRS ADAPTER BRACKET B	1
9	518.2.3.1M - Hex cap screw, M12 x 1.75 x 45 --45H	14779	2
10	518.2.3.1M - Hex cap screw, M12 x 1.75 x 35 --35H	33539	1
11	ANA-M12-N	33769	1
12	16302	0.030" SPACER SHIM	2

1 2 3 4 5 6 7 8 9 10 11 12

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
ROADSTER	J1	8/30/16
COUPE		
HOT ROD		
USED ON		
APPLICATOR	PRINTED	9/2/2016

Factory Five Racing, Inc.

TITLE: 2015 IRS 13" BRAKES

SIZE DWG. NO. REV

A 2015 IRS BRAKES **A**

SCALE: 1:4 WEIGHT: SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FACTORY FIVE RACING, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FACTORY FIVE RACING, INC. IS PROHIBITED.

Left side shown.

Table of Contents

Tools needed 2

Brake Pads 2

Left side assembly 4

Installation..... 9

 Torque Specs12

E-Brake cables 12

Tools needed

12mm 12 point, 18mm, 19mm sockets, ¹³/₁₆” wrench, Ratchet, Torque wrench.

Brake Pads





If not already in, insert the pads into the caliper.

Left side assembly



Starting with the outside bracket (16235) first, stack the brackets together as shown in the drawing on the first page making sure to put the shims between the last two brackets.



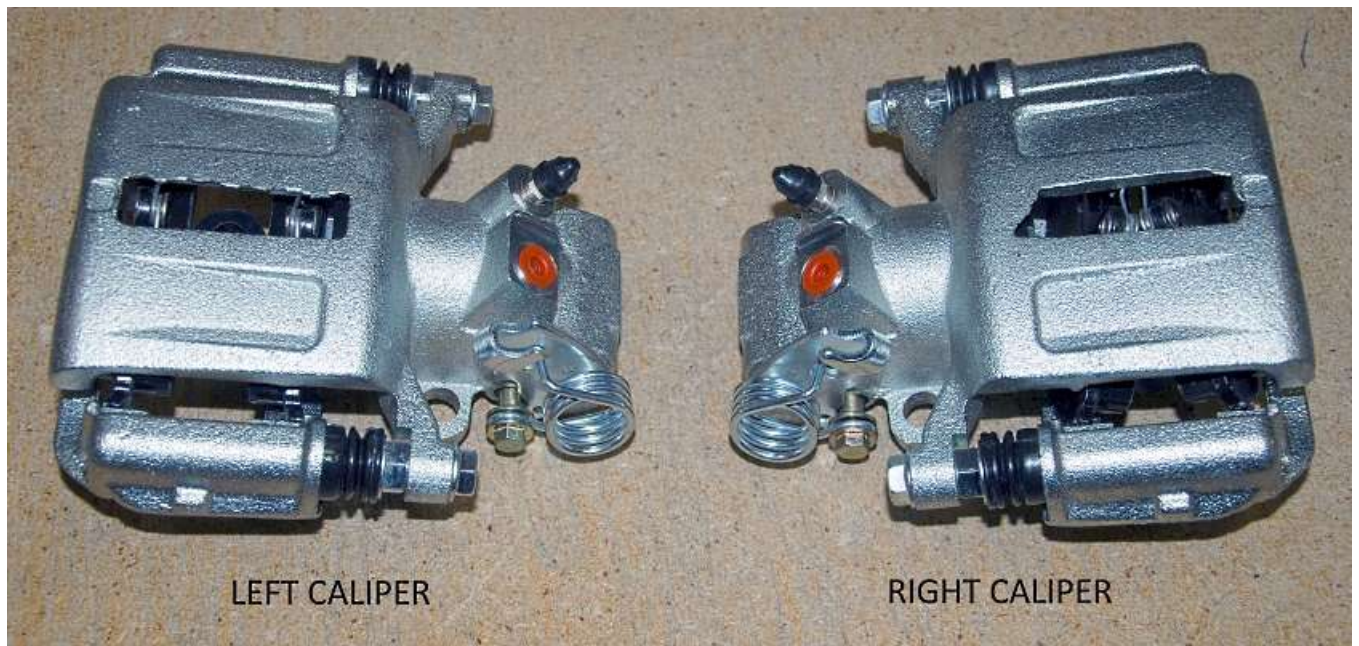
Insert one of the longer 12mm bolts through the middle hole in the bracket.



Insert the other long 12mm bolt in the end bracket hole.



Carefully pick the stack up and put the 12mm lock nut on the bolt in the middle hole.



Note the bleeder screw and spring locations.



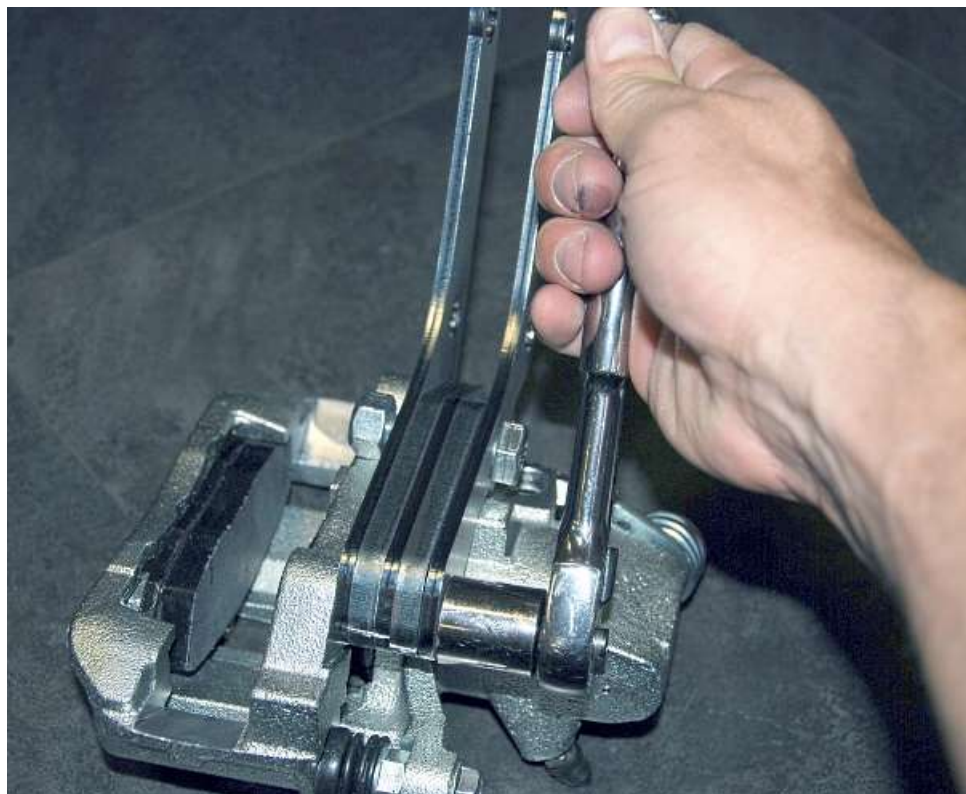
Put the left caliper on a bench upside down with the spring away from you and screw the long 12mm bolt into the caliper bracket by hand.



Screw the 12 point 12mm screw into the other caliper bracket hole.



Tighten the rear caliper screw using a 12mm 12 point socket and ratchet. This will get torqued when the assembly is on the spindle.



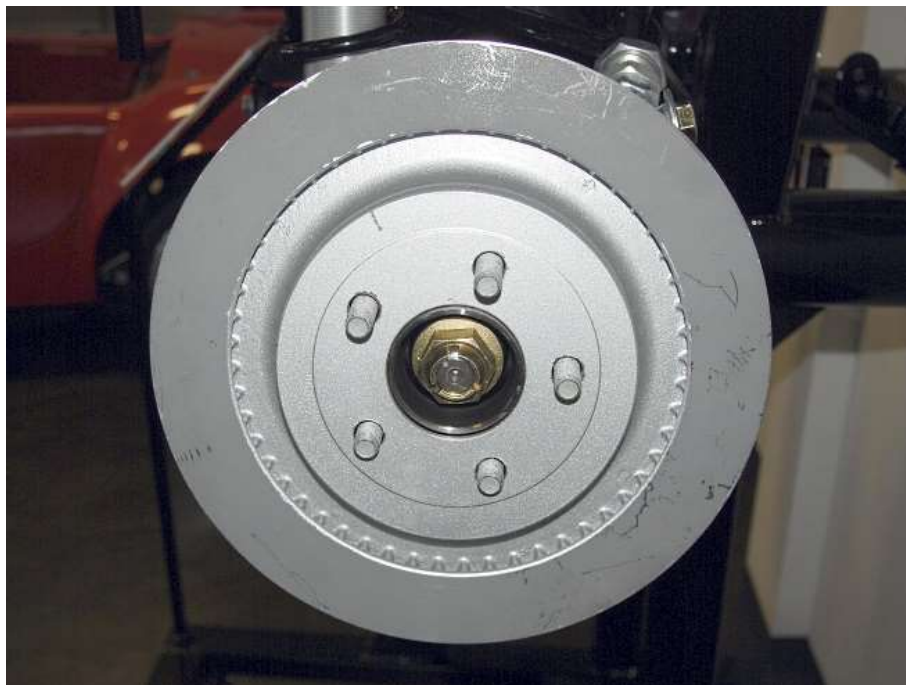
Tighten the front caliper screw using a 19mm socket and ratchet. This will get torqued when the assembly is on the spindle.



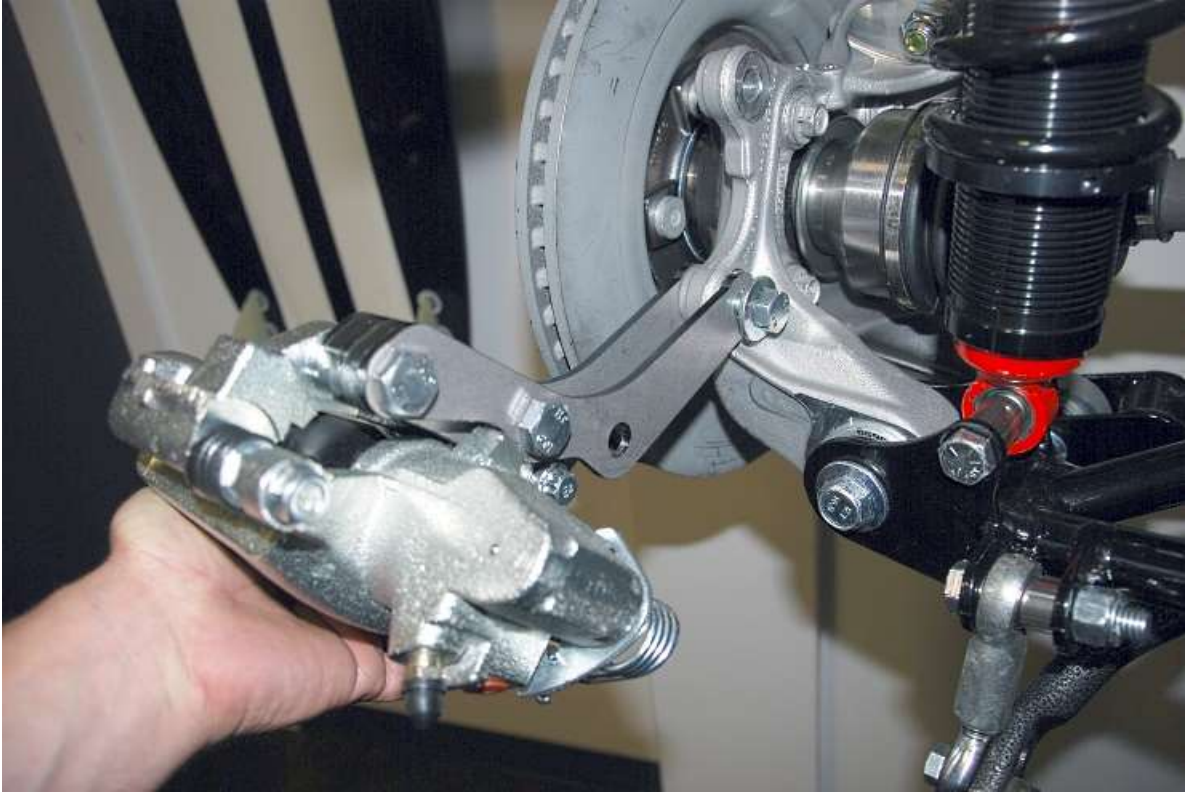
Tighten the middle screw using a 19mm socket and ratchet. This will get torqued when the assembly is on the spindle.

Repeat this assembly for the right side, making sure you put the plates in the correct order.

Installation



Put the rotor on the spindle.



Put the caliper/bracket assembly over the spindle caliper mount ears and from the inside insert one of the 14mm bolts so that 2-3 threads stick through the outside.



Swing the assembly up over the upper ear, if it gets stuck, use a wrench to spread the brackets slightly.



From the inside insert the last 14mm bolt so that 2-3 threads stick through the outside.



Spin the 14mm flange locknuts onto both of the caliper bracket mount bolts.



Use a $\frac{13}{16}$ " wrench, 18mm socket and ratchet to tighten the 14mm bolts.

TORQUE SPECS

Use the following table to torque all of the bolts:

FASTENER	TORQUE (Ft./Lbs.)	Nm
12mm MIDDLE BRACKET BOLT	65	88
12mm CALIPER TO BRACKET MOUNTING BOLTS	65-75	88-101
14mm BRACKET TO SPINDLE MOUNTING BOLTS	65-75	88-101

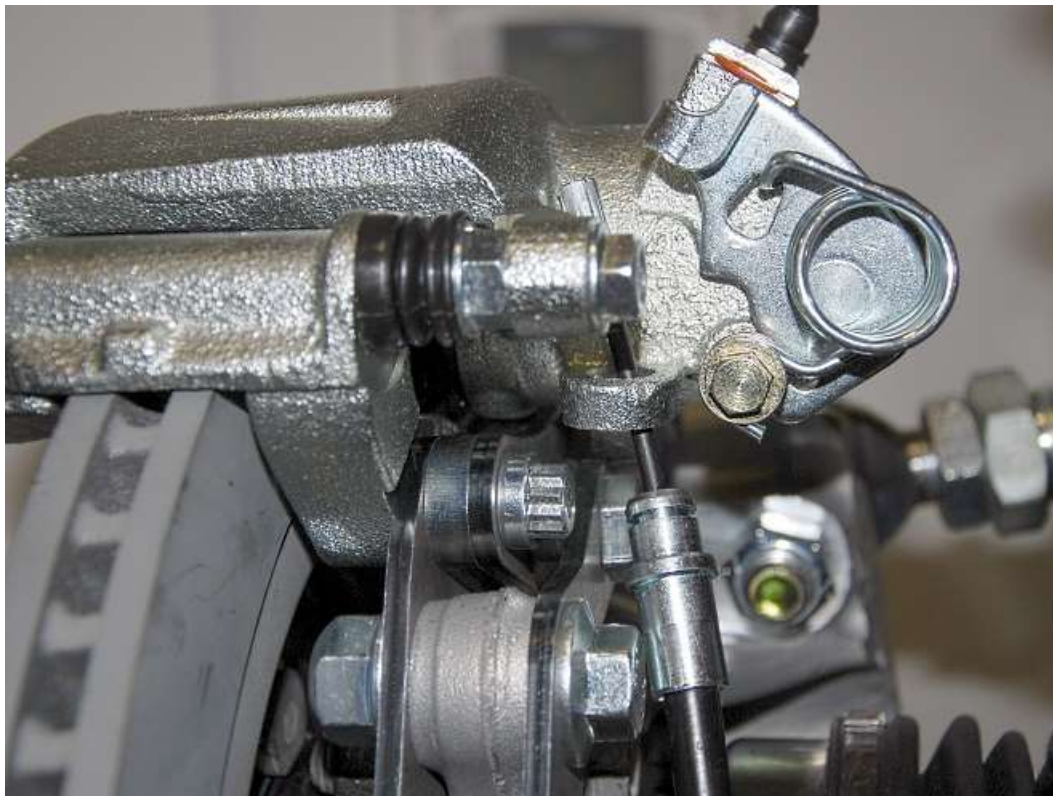
E-Brake cables



The E-brake cables are not included with the brake package, they are part of the IRS assembly.



On the end of the Emergency brake cable sheath with no clip on, pull/push the cable so that 3" of cable sticks out of the sheath.



From the bottom, insert the cable through the hole in the brake caliper.



Push the end of the sheath into the hole. The end of the sheath may or may not bottom on the flange. It is normal for the sheath to look like the picture, the end is being held in place and cannot move.



Move the end of the cable around the spring bracket so it will be captured.



Push the cable so that the end of the cable sits on the spring bracket.



Route the cable back behind the shock and towards the middle of the car.



Route the cable up over the center section and to the bracket in the transmission tunnel.



Insert the cables until the sheath end clicks in place. Roadster shown