

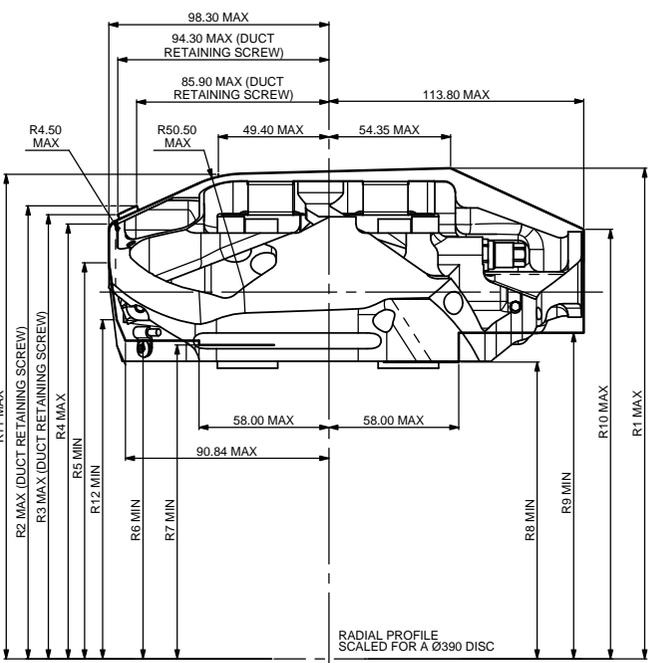
B1 INSTALLATION DRAWING

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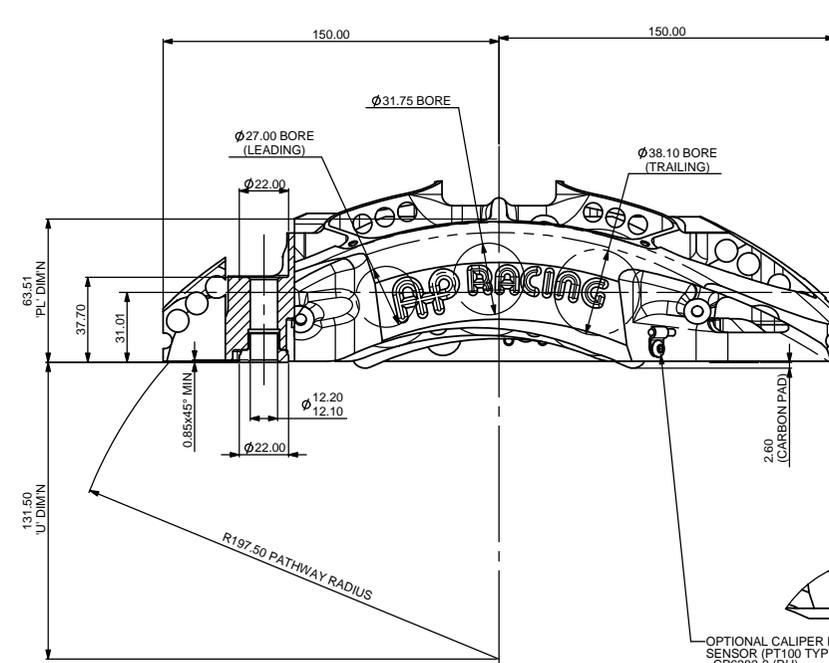
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RADIAL PROFILE DATA

DISC	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	EFF RAD
Ø390	217.40	200.7	196.8	192.7	175.5	141	139.1	131.5	144.5	190.3	214.7	150.2	168.4
Ø380	212.40	195.7	191.8	187.7	170.5	136.3	135	126.5	139.5	185.3	209.7	143.2	163.4



GENERAL DESCRIPTION
THIS IS A 6 PISTON DIFFERENTIAL BORE CALIPER TO SUIT UP TO Ø390x35.6 IRON DISC & Ø380 x 37 CARBON DISC.

APPLICATION
FIA - LMP 1 / LMP 2 / GT1 / SUPER GT (JAPAN)

TECHNICAL INFORMATION
TOTAL PISTON AREA: 50.1cm²
PISTON MATERIAL: TITANIUM or STAINLESS STEEL
BODY MATERIAL: ALUMINIUM ALLOY
MOUNTING BOSS MATERIAL: STAINLESS STEEL

ASSEMBLY WEIGHT(LESS PADS):
• TITANIUM PISTONS = 2.5kg
• STAINLESS STEEL PISTONS = 2.69kg

INSTALLATION INFORMATION
DISC & CALIPER MOUNTING TOLERANCES TO BE SUCH THAT THE DISC IS CENTRAL TO THE CALIPER TO WITHIN ±0.5mm.
CALIPER TO BE MOUNTED WITHIN ±15° FROM VERTICAL.
DISC DIAMETRAL CLEARANCE SHOULD BE 2.5mm NOM. FROM DISC OD TO PATHWAY.
BLEED SCREW MAX TIGHTENING TORQUE 17Nm
MAX NEW DISC & PAD STACK = 56.6MM
MINIMUM WORN DISC & PAD STACK = 49MM

KEY DIMENSIONS
P/L TOP OF PAD MATERIAL TO MOUNTING BOSS FACE WITH PAD SITTING DOWN ON LEDGE
U WHEEL CENTRE LINE TO CALIPER MOUNTING BOSS FACE
DISC Ø390-DIMENSION P/L EFFECTIVE RADIUS, DISTANCE FROM WHEEL CENTRE LINE TO NOMINAL PISTON CENTRE LINE.

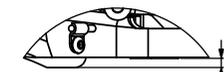
AP RACING TECHNICAL SECTION WILL BE PLEASED TO ADVISE ON THE MOST SUITABLE EQUIPMENT FOR ANY PARTICULAR APPLICATION.

CALIPER PART NUMBERS
CP160-2S7MP - RIGHT HAND TRAILING (BEHIND AXLE)
CP160-3S7MP - LEFT HAND TRAILING (BEHIND AXLE)
CP160-2S7MPD - RIGHT HAND TRAILING (BEHIND AXLE) INC. DUCT
CP160-3S7MPD - LEFT HAND TRAILING (BEHIND AXLE) INC. DUCT

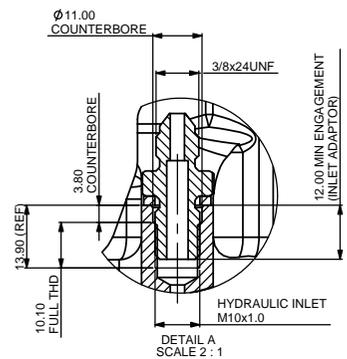
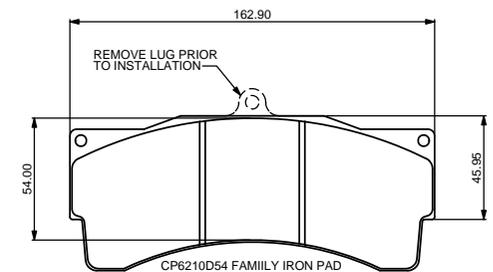
PART No. ABOVE ARE FOR TITANIUM PISTON ASSEMBLIES, FOR THE STAINLESS STEEL PISTON VERSION REPLACE THE 'M' FOR AN 'L' E.G. CP160-2S7LP

P SUFFIX DENOTES CALIPER WITH 'CLIP-IN' TYPE PISTONS. FOR ADDITION OF 'CLIP-IN' PISTON CAPS SEE CP6060-1PCD DRAWING.

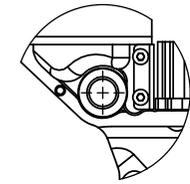
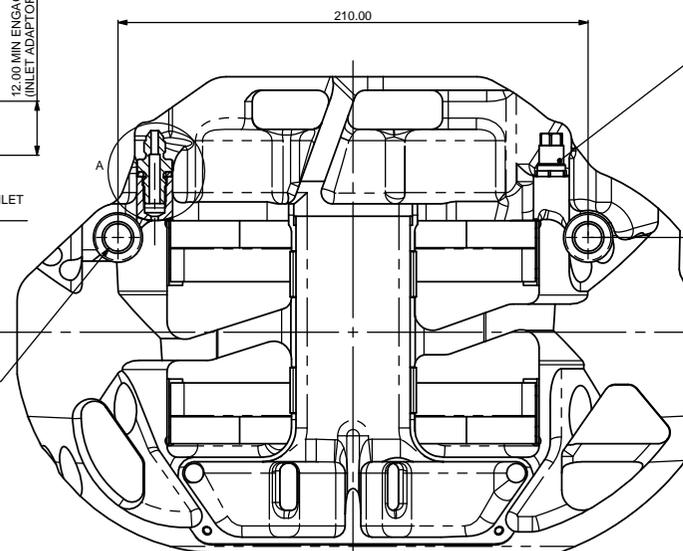
NOTE: CALIPERS CAN BE USED IN A LEADING (IN FRONT OF AXLE) POSITION BY SWAPPING THE INLET ADAPTOR AND BLEED SCREW OVER.



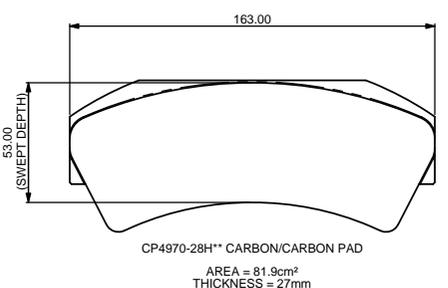
OPTIONAL CALIPER BODY THERMO SENSOR (PT100 TYPE) AVAILABLE:
- CP6282-2 (RH)
- CP6282-3 (LH)



TYPICAL MTG TIGHTENING TORQUE FOR GUIDANCE ONLY
M12 - 65Nm & M10 - 54Nm



WHEN RUNNING CP6210 IRON PADS THE PAD SUPPORTS MUST BE TURNED AROUND, THE LETTERS 'T' ON THE PAD SUPPORTS MUST FACE EACH OTHER AS SHOWN. APR RECOMMEND THE USE OF A THREADLOCKER (LOCTITE 243 OR SIMILAR) ON THE PAD SUPPORT RETAINING SCREWS.
CARBON SET-UP = LETTERS 'C' FACE EACH OTHER
IRON SET-UP = LETTERS 'T' FACE EACH OTHER



REV	Alterations			Zone	Initials
	Date & No.	Particulars			
1	28/01/08 B4960	FIRST ISSUE		JH	
2	05/02/08 B4960:12	INLET ADAPTOR ADDED LEADING PART NUMBERS REMOVED, MIN WORN STACK NOTE ADDED		JH	
3	21/02/08 B4960	BLEED SCREW REPLACED WITH DRY BREAK FITTING		JH	
4	26/02/08 B4960	RADIAL PROFILE UPDATED		JH	
5	17/04/08 B4960:19	CALIPER WITH DUCT PART NUMBERS ADDED		JH	
6	05/02/09 B4960	CP4970-28 WAS CP4970-30 55.6 CARBON STACK ADDED		B3 M15	JH
7	15/07/09 B4960	PAD SUPPORT ITEM 2 WAS CP4970-141, ALTERNATIVE PAD SUPPORT -105 ADDED. [SHIT 3]		RLB	JH
8	15/05/14 B7102	STAINLESS STEEL PISTON OPTION ADDED		SAT	JH
9	12/03/18 B7848	UPDATED TO SHOW ADDITIONAL RADIAL CHAMFER ON LOGO FACE		SAT	JH

SCALE 1:1 SHEET 1 OF 3

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TITLE
RADICAL GT CALIPER

DRG NO. CP6160-1CD

B1 INSTALLATION DRAWING

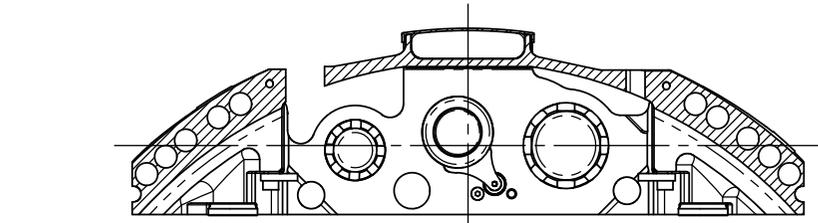
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FIRST ANGLE PROJECTION

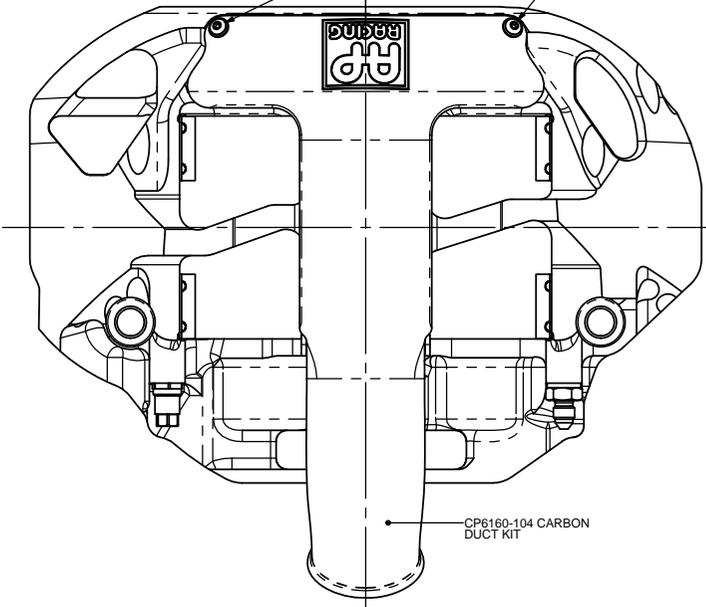
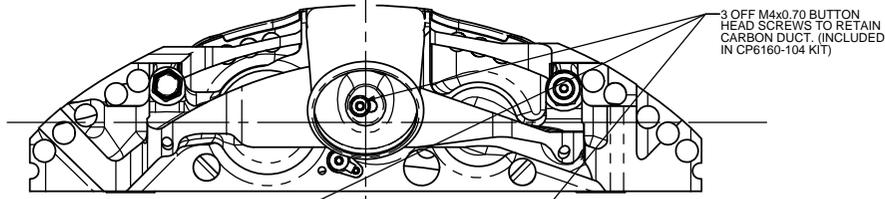
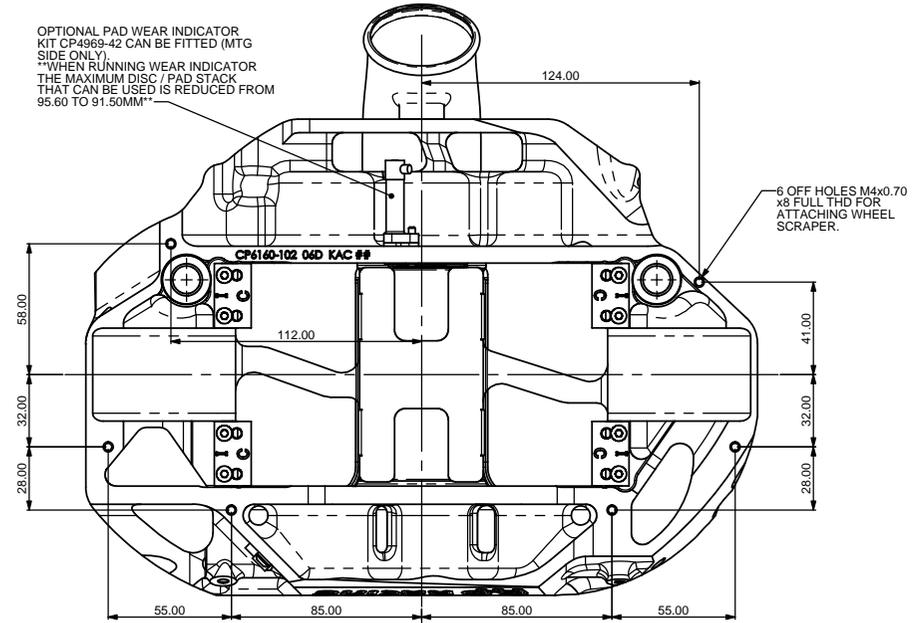
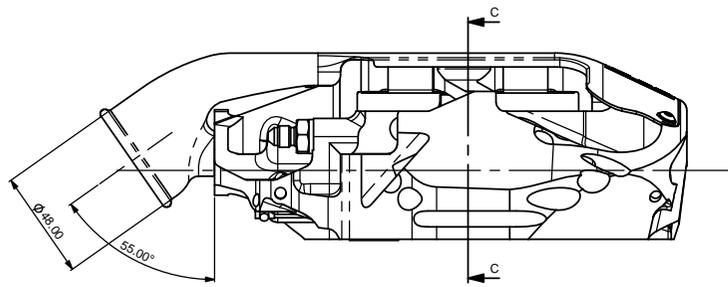
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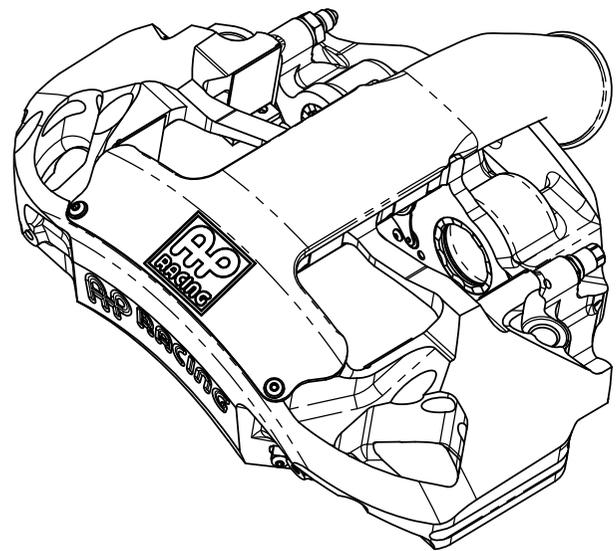
Issue No.		Alterations		Zone	Initials
#	Date & No.	Particulars			
#	#	SEE SHEET 1 FOR ISSUE DETAILS			



SECTION C-C



CP6160-104 CARBON DUCT KIT



SCALE	1:1	SHEET	2 OF 3
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TITLE	RADICAL GT CALIPER		
DRG NO.	CP6160-1CD		

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INSTALLATION DRAWING

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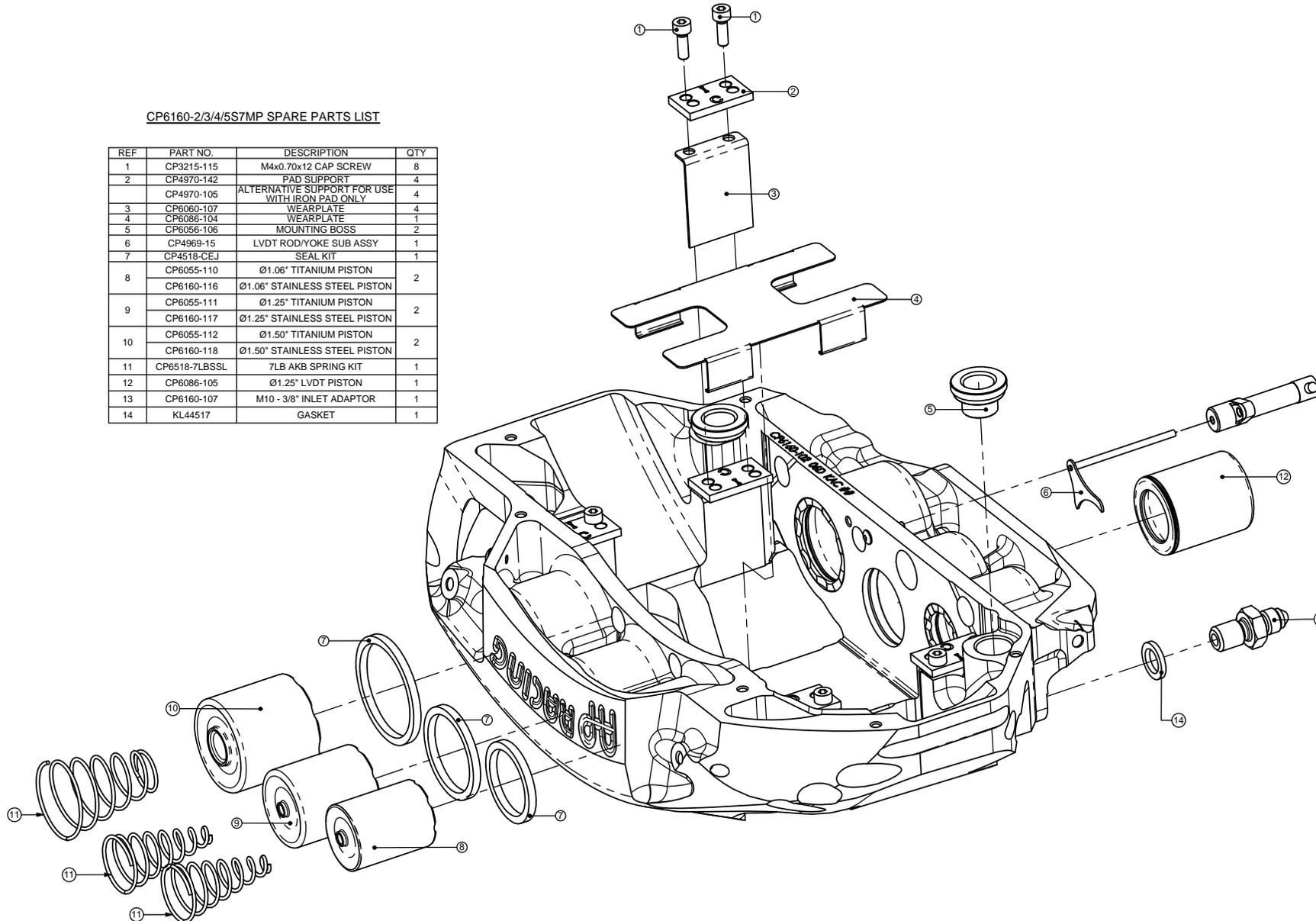


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CP6160-2/3/4/5S7MP SPARE PARTS LIST

REF	PART NO.	DESCRIPTION	QTY
1	CP3215-115	M4x0.70x12 CAP SCREW	8
2	CP4970-142	PAD SUPPORT	4
	CP4970-105	ALTERNATIVE SUPPORT FOR USE WITH IRON PAD ONLY	4
3	CP6060-107	WEARPLATE	4
4	CP6086-104	WEARPLATE	1
5	CP6056-106	MOUNTING BOSS	2
6	CP4969-15	LVDT ROD/YOKE SUB ASSY	1
7	CP4518-CEJ	SEAL KIT	1
	CP6055-110	Ø1.06" TITANIUM PISTON	2
8	CP6160-116	Ø1.06" STAINLESS STEEL PISTON	2
	CP6055-111	Ø1.25" TITANIUM PISTON	2
9	CP6160-117	Ø1.25" STAINLESS STEEL PISTON	2
	CP6055-112	Ø1.50" TITANIUM PISTON	2
10	CP6160-118	Ø1.50" STAINLESS STEEL PISTON	2
11	CP6518-7LBSSL	7LB AKB SPRING KIT	1
12	CP6086-105	Ø1.25" LVDT PISTON	1
13	CP6160-107	M10 - 3/8" INLET ADAPTOR	1
14	KL44517	GASKET	1



Issue No	Alterations		
	Date & No.	Particulars	Zone
#	#	SEE SHEET 1 FOR ISSUE DETAILS	#

SCALE 1:1	SHEET 3 OF 3
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TITLE 6 POT GT RADI-CAL	
DRG NO.	CP6160-1CD