

B1 INSTALLATION DRAWING

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GENERAL DESCRIPTION
6 PISTON DIFFERENTIAL BORE CALIPER TO SUIT UP TO Ø355 x 35 CARBON DISC & UP TO Ø355 x 35.6 IRON DISC

APPLICATION
GT CARS

TECHNICAL INFORMATION
TOTAL PISTON AREA: 30.10cm²
PISTON MATERIAL: TITANIUM
BODY MATERIAL: ALUMINIUM ALLOY
ASSEMBLY WEIGHT: 2.25KG

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 O.D. TO PATHWAY.

MINIMUM WORN DISC & PAD STACK (CARBON) = 49mm
MINIMUM WORN DISC & PAD STACK (IRON) = 47mm

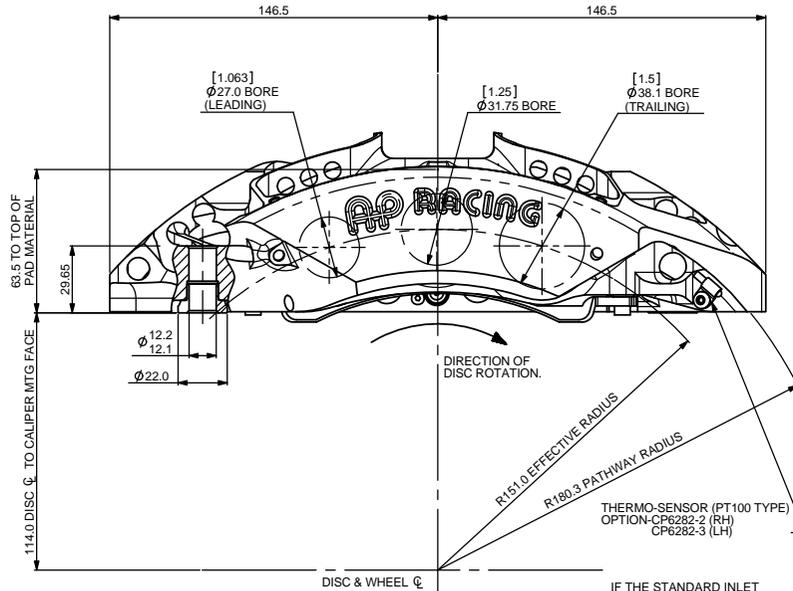
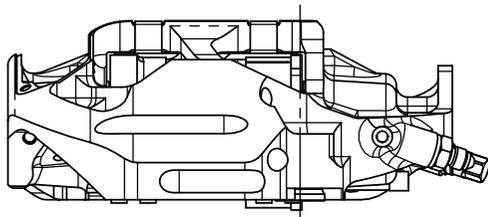
CALIPER PART NUMBERS
CP6078-4S7MP - RIGHT HAND LEADING (AHEAD OF AXLE)
CP6078-5S7MP - LEFT HAND LEADING (AHEAD OF AXLE) INC. DUCT
CP6078-4S7MPD - RIGHT HAND LEADING (AHEAD OF AXLE) INC. DUCT
CP6078-5S7MPD - LEFT HAND LEADING (AHEAD OF AXLE) INC. DUCT

DUCT KIT CAN ALSO BE ORDERED SEPARATELY, UNDER PART NUMBER CP6078-107 (NON-HANDED). SEE SHEET 2 FOR INSTALLATION DETAIL.

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

SEE SHEET 3 FOR SPARE PARTS LIST
SEE SHEET 4 FOR SPARE PARTS LIST INCLUDING LVDT PAD WEAR SENSOR

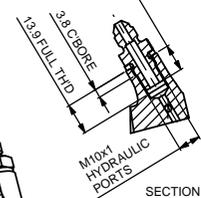
'P' SUFFIX DENOTES CALIPER WITH PROVISION FOR PISTON CAPS. FOR PISTON CAP PART NUMBERS SEE CP6060-1PCD DRAWING.



CP6300-21 DRY BREAK FITTING TIGHTENING TORQUE 13Nm. APPLY LOCTITE 270 TO THREAD UPON ASSEMBLY

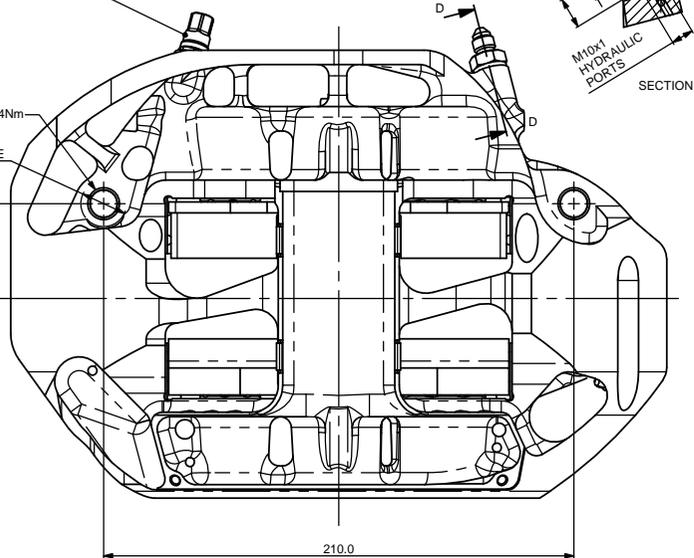
FOR FURTHER DRY BREAK INFORMATION & SPARES REFER TO CP6300-13CD INSTALLATION DRAWING.

NOTE: DRY BREAK AND INLET ADAPTOR SHOULD BE SWAPPED OVER IF THE CALIPER IS TO BE USED IN A TRAILING POSITION.

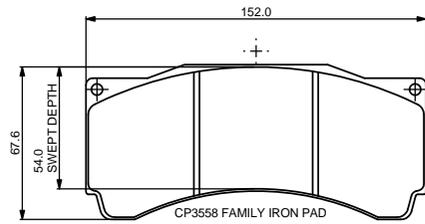


TYPICAL MTG TIGHTENING TORQUE, FOR GUIDANCE ONLY: M12 - 65Nm & M10 - 54Nm

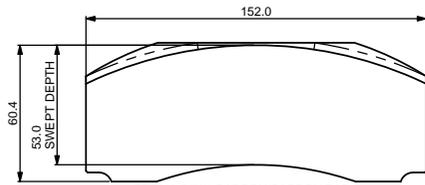
Ø20 MIN SPOTFACE



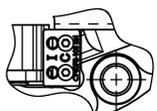
RADIAL PROFILE (SCALED FOR A Ø355.00 DISC)



PAD AREA
-SLOTTED: 77.43cm²
-FULL AREA: 80.17cm²
PAD THICKNESS: 25mm



PAD AREA: 78.12cm²
PAD THICKNESS: 25mm



WHEN RUNNING CP3558 IRON PADS THE PAD SUPPORTS MUST BE FITTED SO THAT THE LETTERS 'T' ON THE PAD SUPPORTS FACE EACH OTHER AS SHOWN.

WHEN RUNNING CP4240 CARBON PAD THE PAD SUPPORTS MUST BE FITTED SO THAT THE LETTERS 'C' ON THE PAD SUPPORTS FACE EACH OTHER.

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

Issue No	Alterations			Zone	Initials
	Date & No.	Particulars			
1	AUG 08 B507.1	FIRST ISSUE			JT
2	19 NOV 08 B535.4	DUCT KIT PART # CHANGED - CP6078-107 WAS CP6078-6			JT
3	14/07/09 B5609	ALTERNATIVE PAD SUPPORT ADDED TO SPARES TABLE [SHT 3]			RLB
4	20/12/12 B6859	MIN STACK HEIGHT CORRECTED & UPDATED TO SHOW CARBON & IRON			JH
5	14/09/17 B7795_01	SHEET 4 ADDED, LVDT PARTS ADDED			SGW
6	12/03/18 B7848	UPDATED TO SHOW ADDITIONAL RADIAL CHAMFER ON LOGO FACE			SAT

SCALE 1:1	SHEET 1 OF 4
DRAWN	Jon Tait
APPROVED	
DERIVED FROM	CP6088-1CD
TITLE	
RADICAL GT CALIPER	
DRG NO.	CP6078-1CD

B1

INSTALLATION DRAWING

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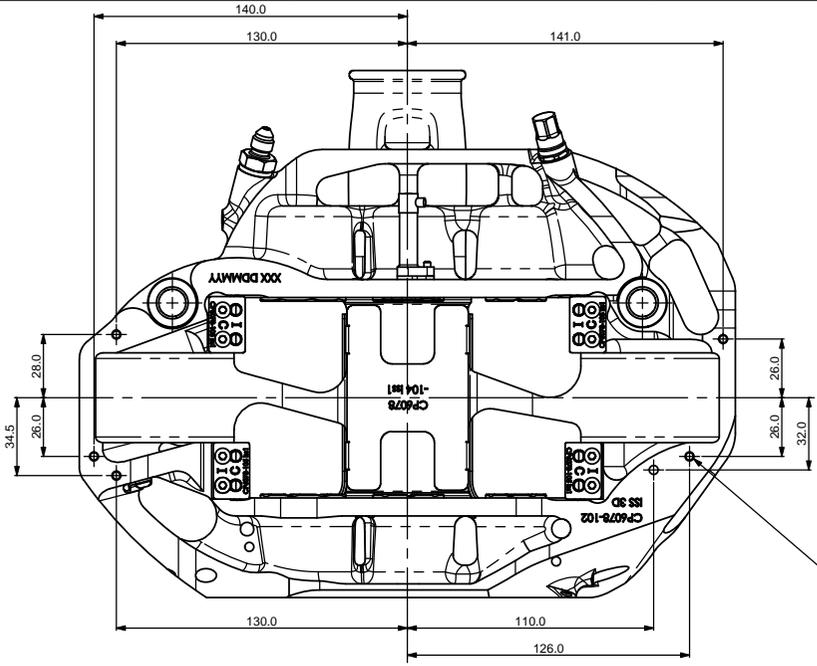


FIRST ANGLE PROJECTION

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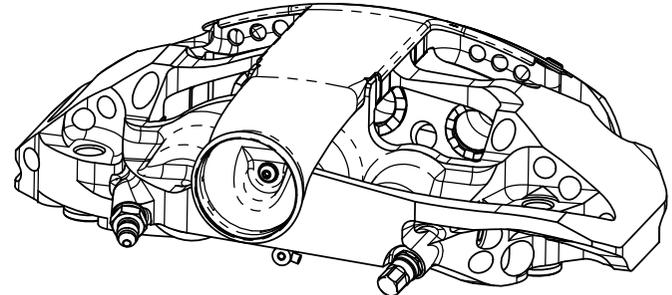
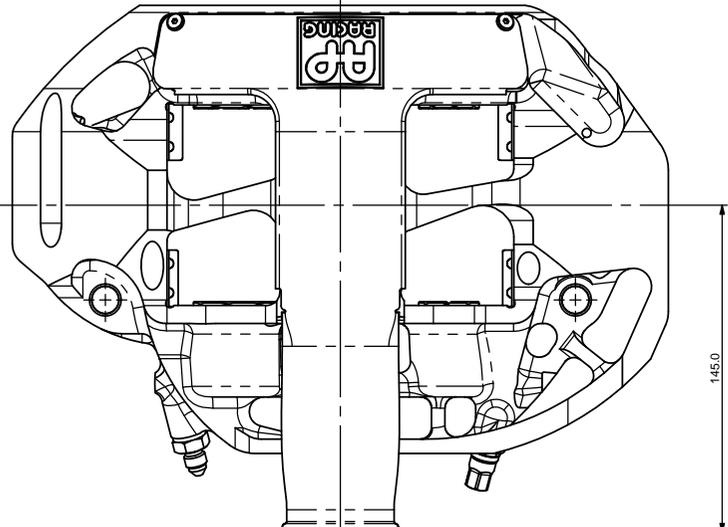
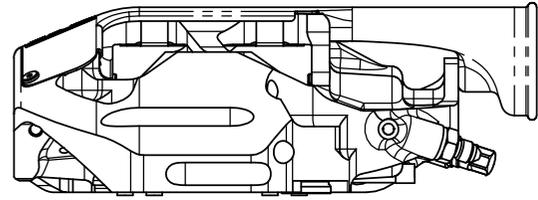
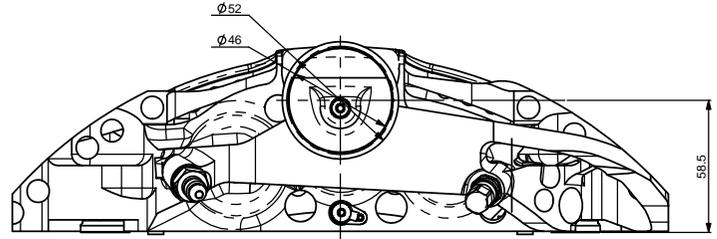
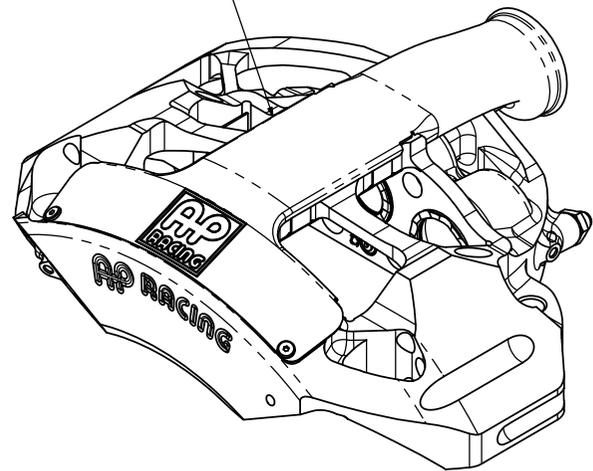


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3 HOLES M4x0.7 x 8
FULL THD EACH
END OF CALIPER
FOR MOUNTING
WHEEL SCRAPER.

CARBON DUCT KIT
CP6078-107



Alterations			
Date & No.	Particulars	Zone	Initials
3	SEE SHEET 1 FOR ISSUE CHANGE DETAILS		

SCALE 1:1	SHEET 2 OF 4
DRAWN	Jon Tall
APPROVED	
DERIVED FROM	CP6088-1CD
TITLE	
RADICAL GT CALIPER	
DRG NO.	CP6078-1CD

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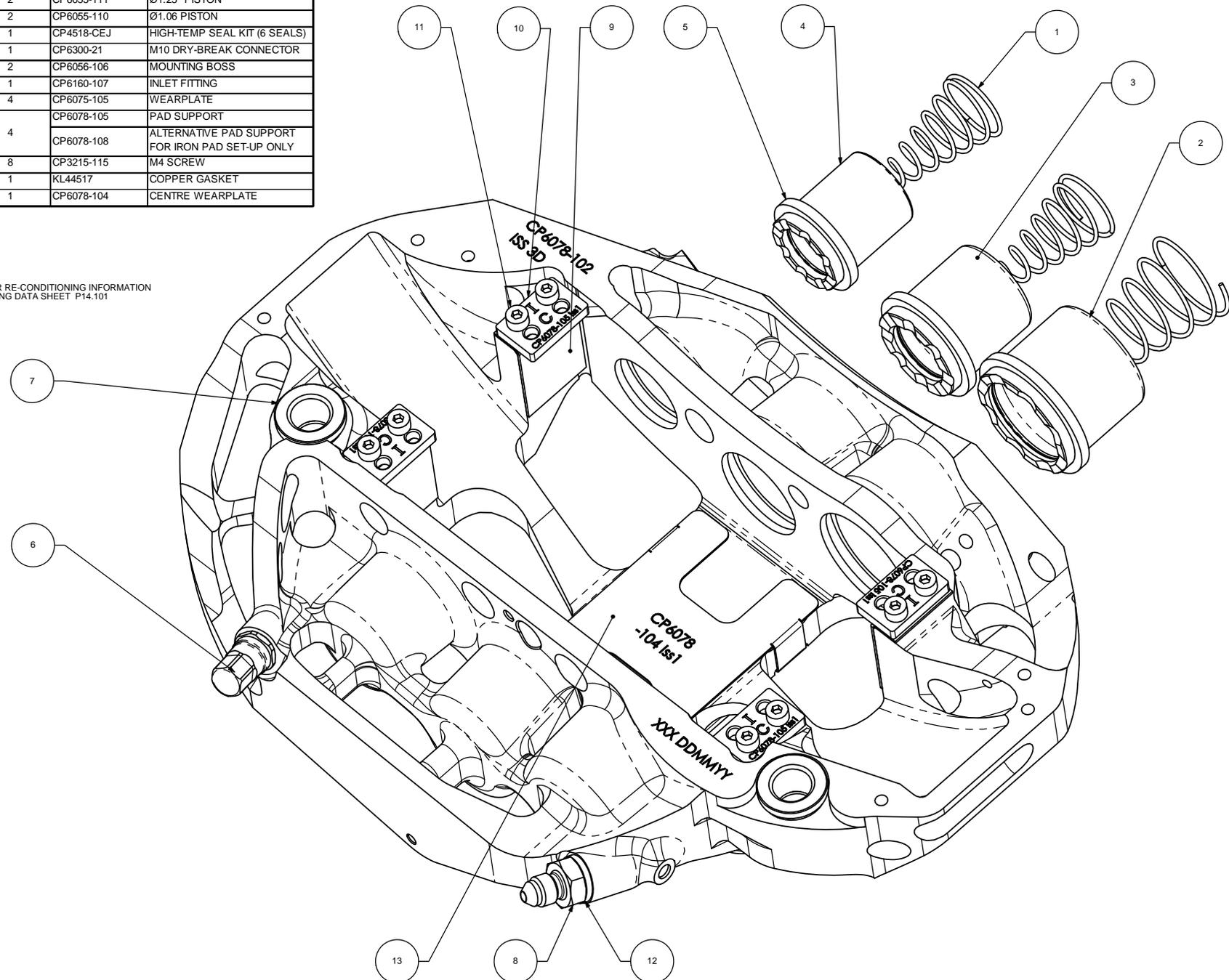
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SPARE PARTS LIST			
REF	QTY / CALIPER	PART NO.	DESCRIPTION
1	1	CP6518-7LBSSL	7.00LB AKB SPRING KIT
2	2	CP6055-112	Ø1.50" PISTON
3	2	CP6055-111	Ø1.25" PISTON
4	2	CP6055-110	Ø1.06" PISTON
5	1	CP4518-CEJ	HIGH-TEMP SEAL KIT (6 SEALS)
6	1	CP6300-21	M10 DRY-BREAK CONNECTOR
7	2	CP6056-106	MOUNTING BOSS
8	1	CP6160-107	INLET FITTING
9	4	CP6075-105	WEARPLATE
10	4	CP6078-105	PAD SUPPORT
		CP6078-108	ALTERNATIVE PAD SUPPORT FOR IRON PAD SET-UP ONLY
11	8	CP3215-115	M4 SCREW
12	1	KL44517	COPPER GASKET
13	1	CP6078-104	CENTRE WEARPLATE

SEE SHEET 4 FOR PAD WEAR INDICATOR SENSOR

FOR CALIPER RE-CONDITIONING INFORMATION SEE AP RACING DATA SHEET P14.101



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

SCALE 1:1 SHEET 3 OF 4

DRAWN Jon Tait

APPROVED

DERIVED FROM

TITLE
**6 PISTON MONOBLOC
 RADICAL GT CALIPER**

DRG NO. CP6078-1CD

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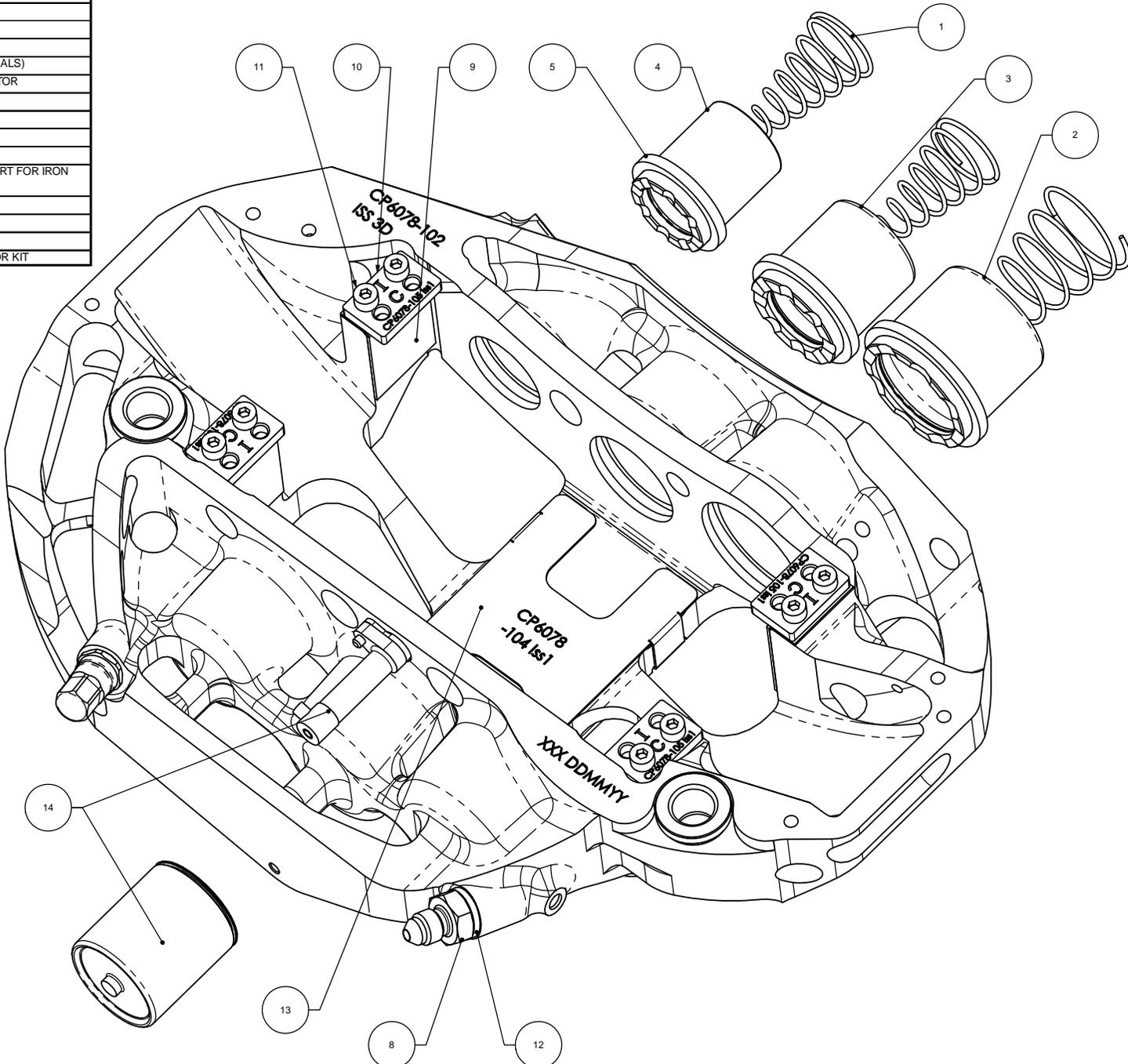


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5	1	CP4518-CEJ	HIGH-TEMP SEAL KIT (6 SEALS)
6	1	CP6300-21	M10 DRY-BREAK CONNECTOR
7	2	CP6056-106	MOUNTING BOSS
8	1	CP6160-107	INLET FITTING
9	4	CP6075-105	WEARPLATE
10	4	CP6078-105	PAD SUPPORT
		CP6078-108	ALTERNATIVE PAD SUPPORT FOR IRON PAD SET-UP ONLY
11	8	CP3215-115	M4 SCREW
12	1	KL44517	COPPER GASKET
13	1	CP6078-104	CENTRE WEARPLATE
14	1	CP4969-42	LVDT PAD WEAR INDICATOR KIT

NOTE: IF USING AN LVDT PAD WEAR SENSOR YOU MUST USE CP4240-57 PAD ON THE SIDE WITH THE LVDT PISTON



FOR CALIPER RE-CONDITIONING INFORMATION SEE AP RACING DATA SHEET P14.101

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
-	-	SEE SHEET1 FOR ISSUE INFORMATION.	-	-

SCALE 1:2	SHEET 4 OF 4
DRAWN Jon Tait	
APPROVED	
DERIVED FROM	
TITLE 6 PISTON MONOBLOC RADICAL GT CALIPER	
DRG NO.	CP6078-1CD