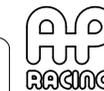


# B1 INSTALLATION DRAWING

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**AP Racing**  
Wheler Road  
Coventry  
CV3 4LB  
Tel: +44 024 7663 9595  
Fax: +44 024 7663 9559  
e-mail: sales@apracing.co.uk  
Web site: HTTP://www.apracing.com

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## GENERAL DESCRIPTION.

A SIX PISTON, DIFFERENTIAL BORE CALIPER DESIGNED TO OPERATE ON A VENTILATED IRON DISC OF Ø390x35.6 WIDE, OR A Ø380x37 CARBON DISC.

THE CALIPER HAS SEALS IN THE MOUTH OF THE BORE.

THE CALIPER CAN ACCOMMODATE AN LVDT, WHICH DETECTS THE MOVEMENT OF AN INBOARD PISTON & SO GIVES A MEASURE OF FRICTION MATERIAL WEAR.

INSULATING CAPS CAN BE FITTED WHEN USED WITH A 35.6mm DISC AND 30mm THICK PADS - SUFFIX 'C' (REPLACING 'P') ON PART NUMBER WILL SPECIFY CAPS AS BUILT.

SEE SHEET TWO FOR DETAILS OF PART NUMBERS OF CAPS AND LVDT.

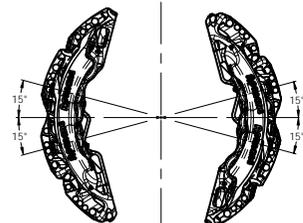
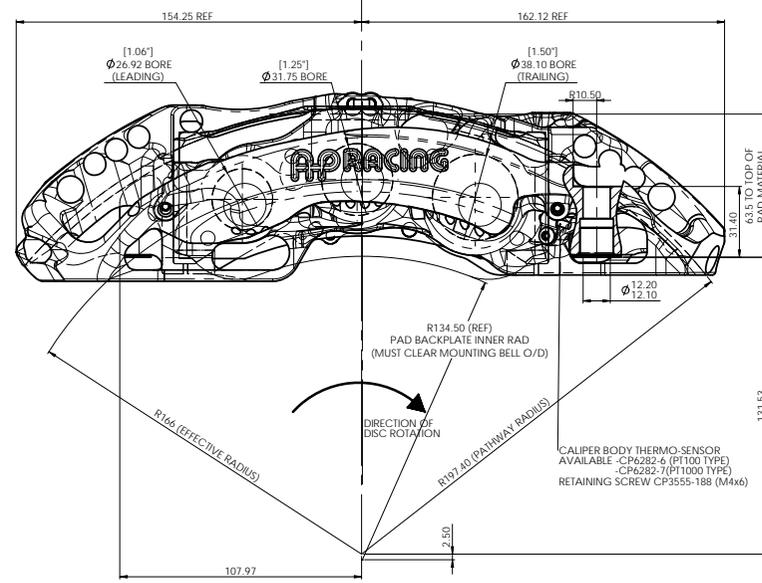
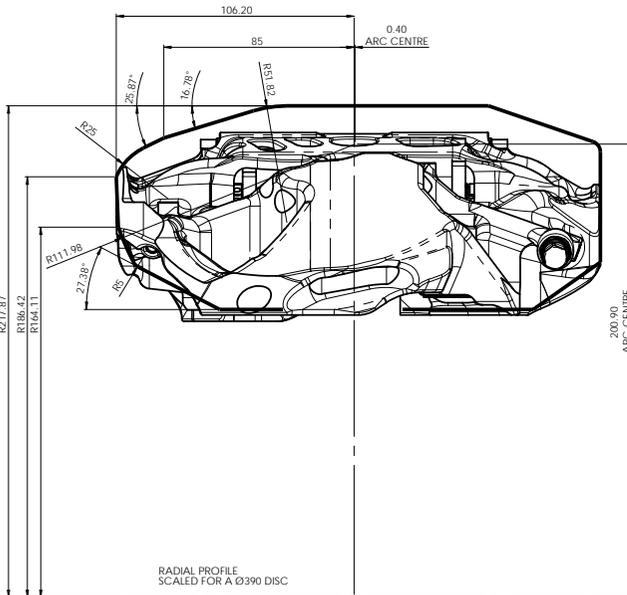
## APPLICATION - GT FRONT CALIPER.

### TECHNICAL & INSTALLATION DATA

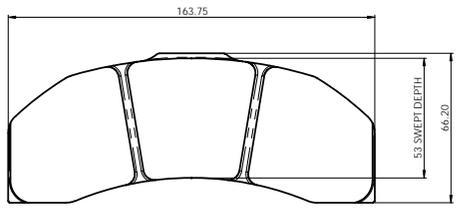
TOTAL PISTON AREA (6) - 50.1 cm<sup>2</sup>  
PISTON MATERIAL - TITANIUM ALLOY  
BODY MATERIAL - ALUMINIUM ALLOY.  
HYDRAULIC PORT THREADS - M10x1  
CALIPER WEIGHT LESS PADS - 2485g (EST. WITHOUT PISTON CAPS)  
THE INCLUSION OF PAD WEAR INDICATORS ADDS APPROX. 25g.

ASSEMBLY No.	CALIPER HANDING	
CP6277-2	RHT	RIGHT HAND BEHIND AXLE (AS DRAWN)
CP6277-3	LHT	LEFT HAND BEHIND AXLE

EXAMPLE PART # - CP6277-2S (SIDE FEED) 7 (7th AKB SPRING) M (TITANIUM PISTONS)  
P (PROVISION FOR PISTON CAPS)



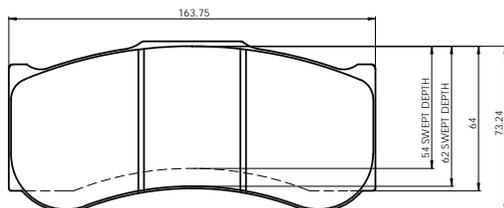
FOR OPTIMUM BLEED, THE CALIPER SHOULD BE INSTALLED IN THE LEADING OR TRAILING POSITION, BETWEEN THE ANGLES SHOWN.



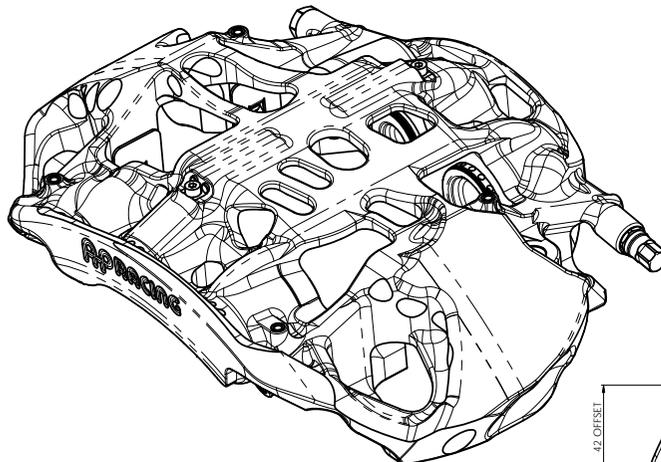
CP2872-518(S)H18 CARBON/CARBON PAD

PART No.	THICKNESS	MATERIAL	AREA	SLOTS
CP2872-518	21mm	H18	83.30cm <sup>2</sup>	NO
CP2872-518S	21mm	H18	78.63cm <sup>2</sup>	YES

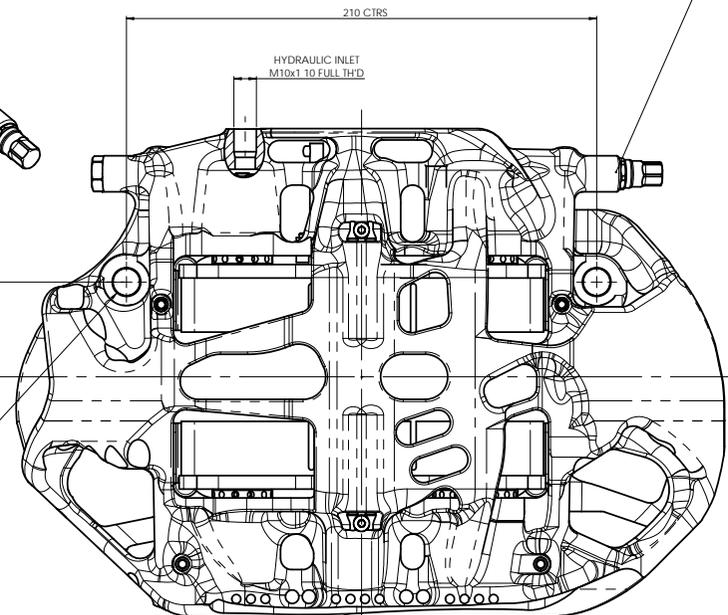
EXAMPLE PART NUMBER: CP2872-518SH18



CP6276 / CP6277 FAMILY IRON PAD  
AREA: 94.72cm<sup>2</sup> (D62), 82.33cm<sup>2</sup> (D54)  
THICKNESS: 32mm (CP6277), 30mm (CP6276)  
EXAMPLE PART NUMBER: CP6276D62\*\*\*  
WHERE \*\*\* DENOTES MATERIAL SUFFIX



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



DRY BREAK TO BE USED IN CONJUNCTION WITH CP6300-21 BLEED SYSTEM FITTING. FOR FURTHER DRY BREAK INFORMATION & SPARES REFER TO CP6300-13CD INSTALLATION DRAWING.

CONFIGURATION	CAPS FITTED?	NEW DISC THICKNESS	MIN WORN DISC THICKNESS	NEW PAD THICKNESS	MIN WORN PAD THICKNESS	NEW STACK NOM	MIN WORN STACK	AVAILABLE WEAR	MAX WEAR ON WORST SIDE
35.6mm IRON DISC	NO	35.6	34.6	32	6	99.6	46.6	53	26.5
35.6mm IRON DISC	YES	35.6	34.6	30	6	95.6	46.6	49	24.5
37mm CARBON DISC	NO	37	25	27	12	91	49	42	21

REV	Alterations			Zone	Initials
	Date & No.	Particulars	#		
1	03/11/15 87407	FIRST ISSUE		DW	
2	13 JAN '16 B7306_07	SHIT2: PAD ABUTMENT ROD (ITEM 12) WAS CP6277-107 TUBE	2K	JT	
3	06/08/2018 87920	REMOVED REFERENCES TO PAD HW, CORRECTED PAD THICKNESS VALUES, AMENDED DRY BREAK BLEED FITTING PART NUMBER		JDD	
4	24/09/2021 B8343_01	CORRECTED RADIAL PROFILE	SM	ADB	

SCALE 1:1	SHEET 1 OF 2
DRAWN Dan Woodcock	
APPROVED	
DERIVED FROM #	
TITLE 6 PISTON MONOBLOC GT FRONT CALIPER	
DRG NO.	CP6277-10CD

# B1 INSTALLATION DRAWING

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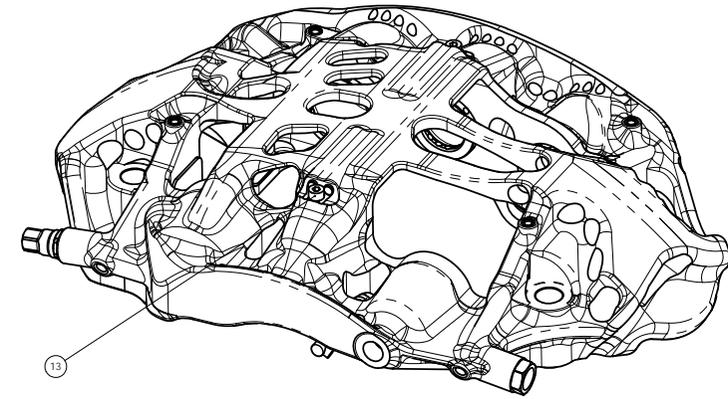
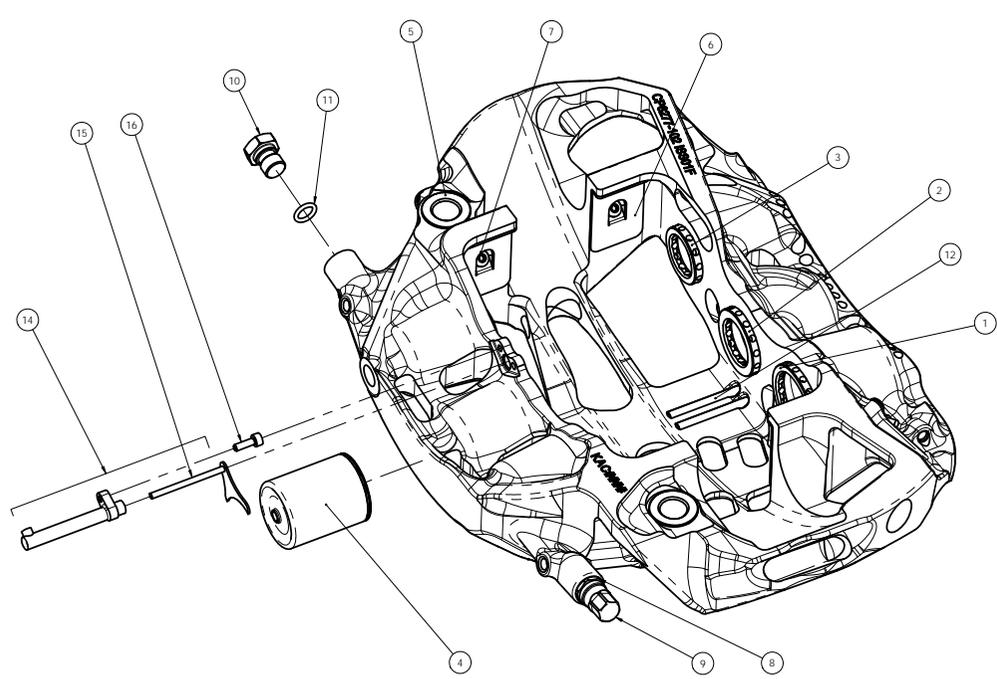
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**AP Racing**  
Wheler Road  
Coventry  
CV3 4LB  
Tel: +44 024 7663 9595  
Fax: +44 024 7663 9559  
e-mail: sales@apracing.co.uk  
Web site: HTTP://www.apracing.com

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REF.	PART #	DESCRIPTION	QTY	FITTING NOTES
1	CP6277-106	PISTON Ø38.1 x 40.53 Ti	2	
2	CP6277-105	PISTON Ø31.8 x 40.53 Ti	1	
3	CP6277-104	PISTON Ø27 x 40.53 Ti	2	
4	CP4969-165	PISTON Ø31.8 x 40.53 Ti (SUITS LVDT)	1	
5	CP6277-108	LOWER MTG BUSH	2	USE LOCTITE 648 WITH ACTIVATOR.
6	CP6277-109	PAD ABUTMENT WEAR PLATE	4	APPLY 736 RTV SILICONE SPARINGLY BEHIND THE ABUTMENT PLATE ENSURING ENTIRE CONTACT FACE IS COVERED. APPLY PRESSURE TO ABUTMENT PLATE WHEN FITTING TO ENSURE MINIMUM FILM THICKNESS AND AVOID ANY GAP. ENSURE ABUTMENT PLATE SITS CORRECTLY AGAINST CALIPER BODY BEFORE FITTING RETAINING SCREWS.
7	CP3355-114	BUTTON HEAD SCREW-M4x0.7 6 LONG	4	APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2nd FROM LAST THREAD WHEN FITTING. TIGHTENING TORQUE - 3.7Nm
8	CP6300-21	BLEED VALVE	1	APPLY LOCTITE 270 TO THREAD UPON ASSEMBLY. TIGHTENING TORQUE 13Nm. CAP TIGHTENING TORQUE IS 4Nm.
9	CP6300-228	BLEED VALVE CAP (SPARES ONLY)	AS REQ'D	
10	CP6300-103	BLEED PORT PLUG	1	APPLY LOCTITE 270 TO THREAD UPON ASSEMBLY. TIGHTENING TORQUE 13Nm.
11	CP3076-128	BLEED PORT PLUG SEAL	1	
12	CP6277-116	PAD ABUTMENT ROD	4	TO REPLACE A WORN OR DAMAGED PAD ABUTMENT ROD, REMOVE M4 SCREW (13) AND DRIVE ROD OUT WITH A PIN PUNCH FROM INSIDE. CLEAN UP HOLE, FIT NEW ROD WITH A SMEAR OF 736 RTV SILICONE & RE-FIT SCREW.
13	CP5166-108	CAP SCREW-M04x0.7 8 LONG	2	APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2nd FROM LAST THREAD WHEN FITTING.
14	CP4969-506	LVDT ASSY (COMPLETE)	1	
15	CP4969-507	LVDT ROD & YOKE S/ASSY (SPARES ONLY)	AS REQ'D	
16	CP6376-105ST	CAP SCREW-M03x0.5 10 LONG	1	APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2nd FROM LAST THREAD WHEN FITTING.
	CP4518-CEJ	SEAL KIT (4 SEALS)	1	REFER TO PUBLICATION REF: P14.290 & P14.220
	CP4100-121	7lb ANTI KNOCK-BACK SPRING (C,E PISTONS)	4	
	CP2667-113	7lb ANTI KNOCK-BACK SPRING (J PISTON)	2	
	CP4528-CEJ	INSULATING CAP KIT	1	



Issue No.	Alterations		
	Date & No.	Particulars	Zone
-	-	SEE SHEET 1 FOR ISSUE INFORMATION.	-

SCALE 1:1	SHEET 2 OF 2
DRAWN Dan Woodcock	
APPROVED	
DERIVED FROM #	
TITLE <b>6 PISTON MONOBLOC GT FRONT CALIPER</b>	
DRG NO. CP6277-10CD	