

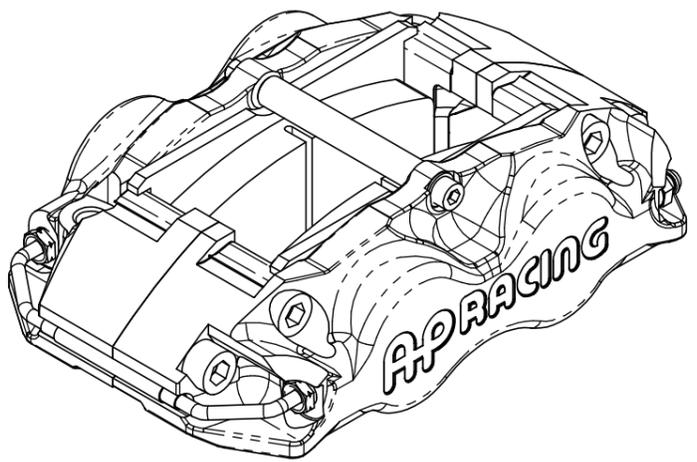
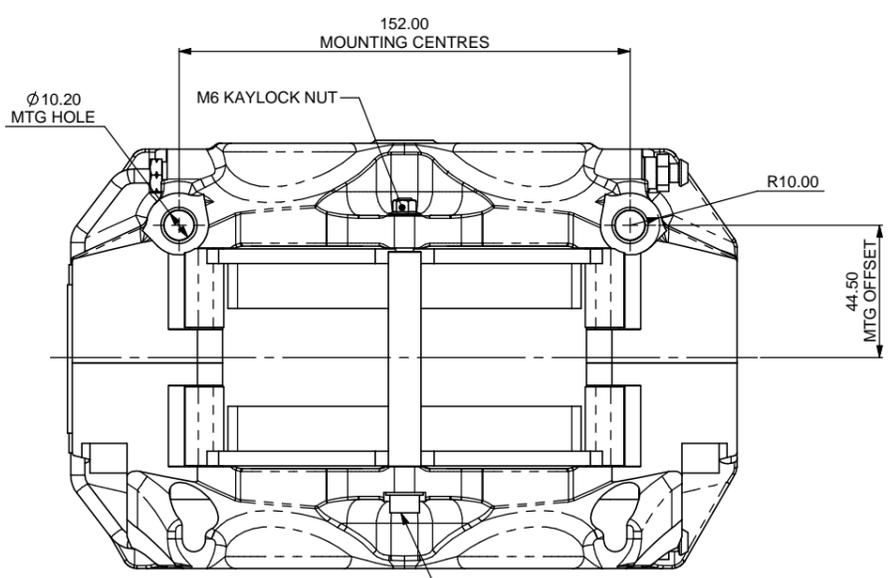
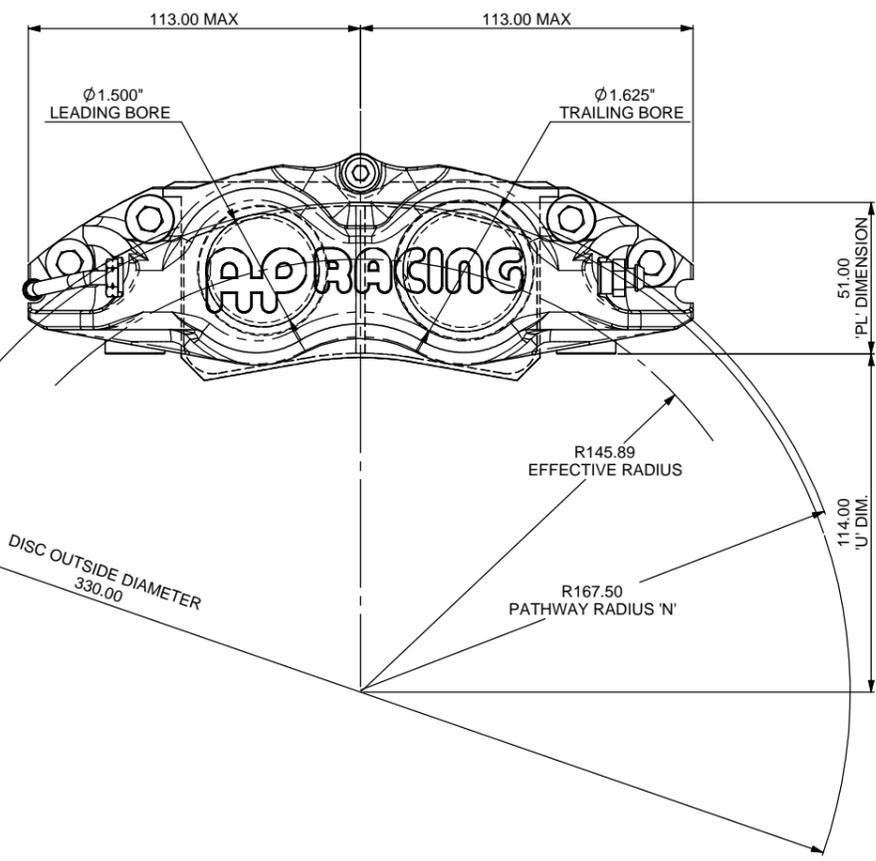
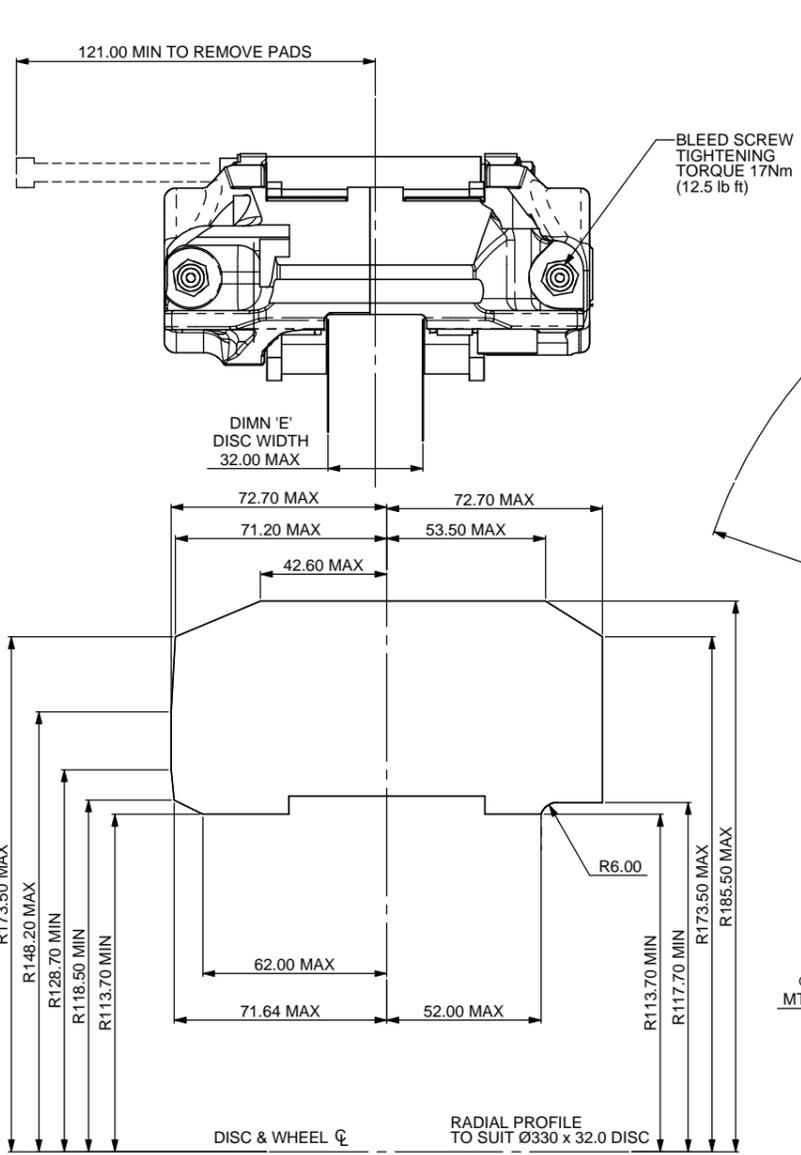
# B1 INSTALLATION DRAWING

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FIRST ANGLE PROJECTION

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PAD RETAINER BOLTS SHOULD BE TIGHTENED TO A TORQUE OF 11lbs ft (14.9Nm) MAX

**GENERAL DESCRIPTION**  
 THIS IS A LOW COST 4 PISTON DIFFERENTIAL BORE CALIPER, DESIGNED TO OPERATE ON A VENTILATED IRON DISC OF  $\phi$ 330.0 mm x 32.0 MAX WIDE DISC. ALL CALIPERS ARE MANUFACTURED WITH BLEED SCREW AND PIPE ASSEMBLY PROTECTION. STAINLESS STEEL PAD ABUTMENT WEAR PLATES AND HIGH TEMPERATURE LOW DRAG SEALS ARE FITTED AS STANDARD. SEALS ARE 'SEAL IN BORE' TYPE.

**TYPICAL APPLICATION**  
 BUDGET RALLY CALIPER.

**TECHNICAL INFORMATION**  
 TOTAL PISTON AREA - 49,56mm<sup>2</sup>  
 PISTON MATERIAL - ALUMINIUM ALLOY (STANDARD)  
 BODY MATERIAL - ALUMINIUM ALLOY  
 HYDRAULIC CONNECTIONS - 3/8" x 24UNF -2B  
 TIGHTENING TORQUE 25Nm (18.4 Lb ft)

NOTES - SHOULD THE PISTONS BE INADVERTENTLY REMOVED, THEY SHOULD BE WIPED CLEAN AND BE SMEARED WITH AP RACING BRAKE FLUID BEFORE REPLACEMENT.

**IMPORTANT INFORMATION**  
 DISC AND CALIPER MOUNTING TOLERANCES TO BE SUCH THAT THE DISC IS CENTRAL TO THE CALIPER TO WITHIN  $\pm$ 0.019" (0.50mm). THE CLEARANCE FROM DISC DIAMETER TO PATHWAY SHOULD BE 0.098" (2.5mm) NOM.

**KEY TO DIMENSIONS**  
 DIMENSION 'PL' - TOP OF PAD MATERIAL TO MOUNTING BOSS FACE WITH PAD HANGING DOWN ON THE RETAINING PINS.

DIMENSION 'C' - DISC CENTRE LINE TO MOUNTING STUD CENTRE LINE.

DIMENSION 'U' - WHEEL CENTRE TO CALIPER MOUNTING BOSS FACE, (DISC DIAMETER / 2) - 'PL' DIMENSION.

DIMENSION 'H' - MOUNTING HOLE DIAMETER.

RADIUS 'N' - RADIUS OF DISC PATHWAY.

EFFECTIVE RAD. - 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 APPLICATION.**

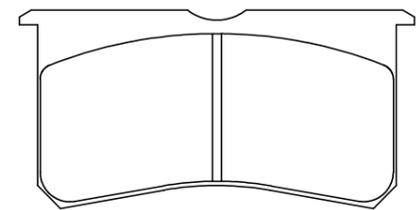
**REPLACEMENT SEAL KIT**  
 SEAL KIT (HIGH TEMP) CP4518-JK

PART NUMBERS:  
 CP8350-24S4 RIGHT HAND TRAILING  
 CP8350-25S4 LEFT HAND TRAILING  
 CP8350-26S4 RIGHT HAND LEADING  
 CP8350-27S4 LEFT HAND LEADING

STAINLESS STEEL PISTONS ARE AVAILABLE FOR THIS CALIPER, JUST ADD 'L' TO THE END OF THE PART NUMBER, EG CP8350-24S0L

**PAD INFORMATION**

CP8250D41-####



PAD THICKNESS - 20,20mm (0.795")  
 PAD AREA - 50,67cm<sup>2</sup> (7.854 in<sup>2</sup>)  
 PAD VOLUME - 102,35cm<sup>3</sup> (6.244 in<sup>3</sup>)

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
1	20/01/10 B5794	FIRST ISSUE		RLB
2	10/01/10 B5794	44.50 OFFSET WAS 44.00	12F	RLB

SCALE 1:1	SHEET 1 OF 2
DRAWN RBNSOR	
APPROVED	
DERIVED FROM CP8350-10CD	
TITLE 4 POT, 152.0 x 44.0 RADIAL MTG CALIPER ASSEMBLY	
DRG NO. CP8350-24CD	

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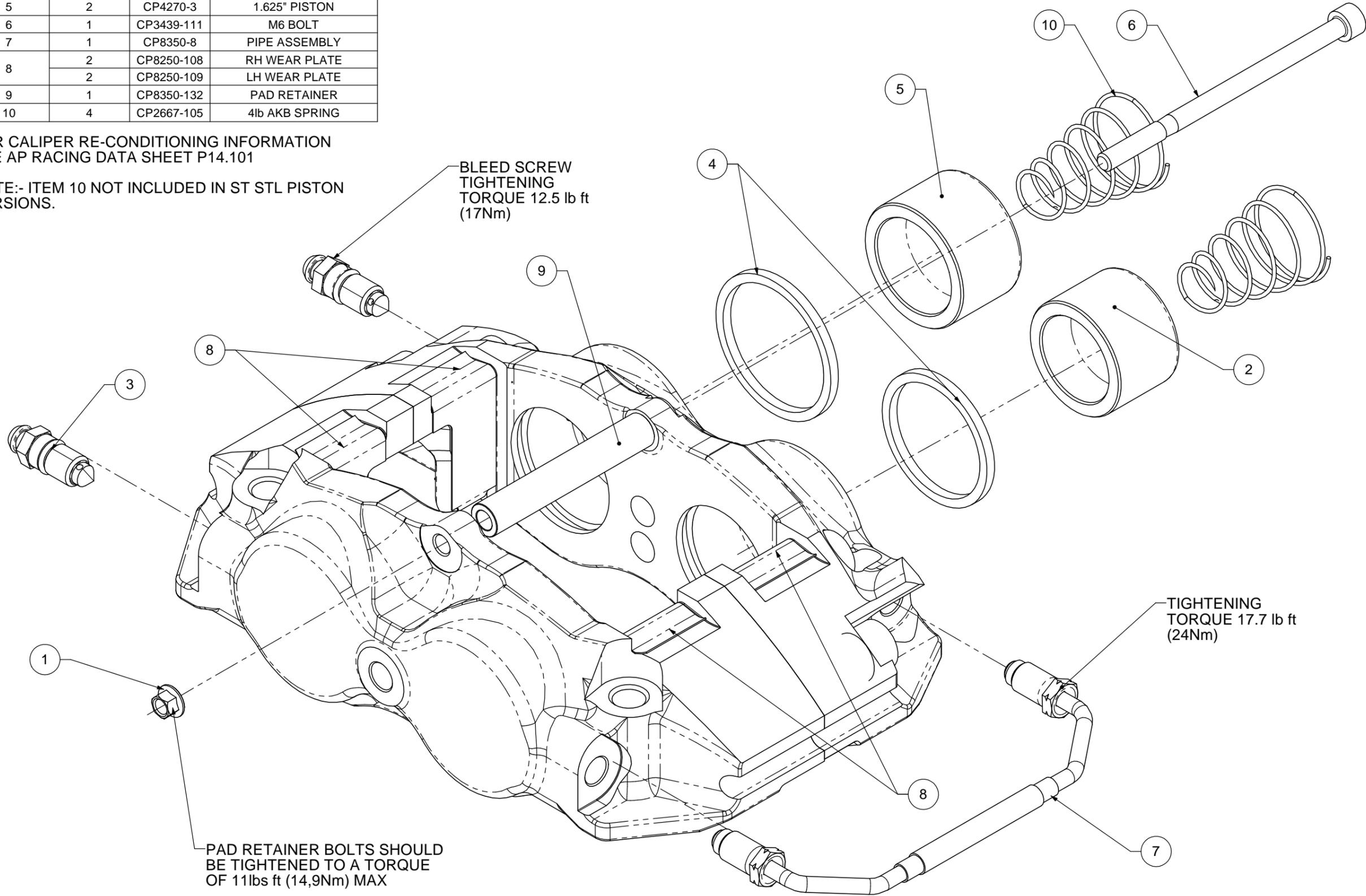
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SPARE PARTS LIST			
REF	QTY / CALIPER	PART No.	DESCRIPTION
1	1	CP3423-107	M6 NUT
2	2	CP3215-113	1.500" PISTON
3	1	CP3880-1	BLEEDSCREW & O RING KIT
4	1	CP4518-JK	HIGH TEMP SEAL KIT
5	2	CP4270-3	1.625" PISTON
6	1	CP3439-111	M6 BOLT
7	1	CP8350-8	PIPE ASSEMBLY
8	2	CP8250-108	RH WEAR PLATE
	2	CP8250-109	LH WEAR PLATE
9	1	CP8350-132	PAD RETAINER
10	4	CP2667-105	4lb AKB SPRING

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

NOTE:- ITEM 10 NOT INCLUDED IN ST STL PISTON VERSIONS.



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

SCALE 2:1	SHEET 2 OF 2
DRAWN	RBONSOR
APPROVED	
DERIVED FROM	CP8350-10CD
TITLE	4 POT, 152.0 x 44.0 RADIAL MTG CALIPER ASSEMBLY
DRG NO.	CP8350-24CD