A1 INSTALLATION DRAWING

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FIRST ANGLE PROJECTION

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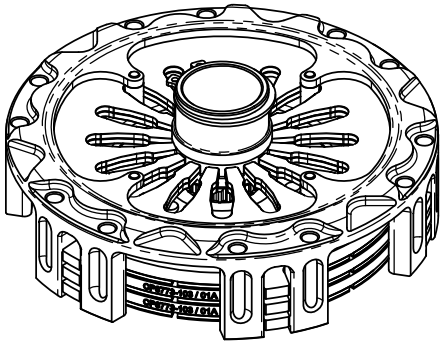
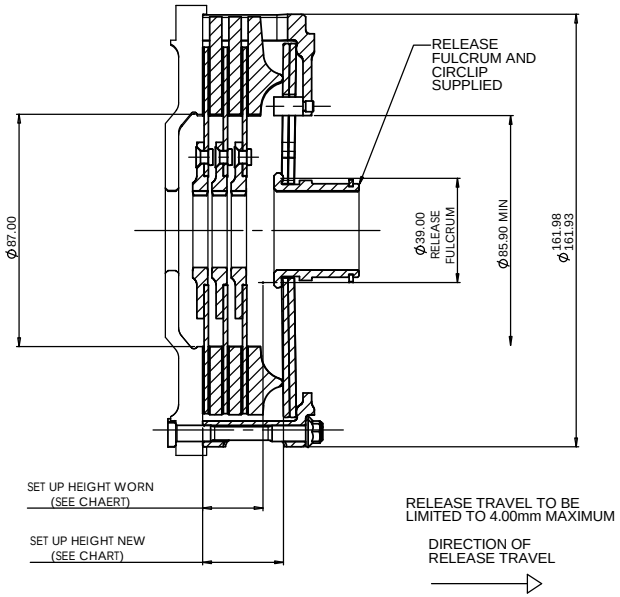
Web site: http://www.apracing.com

CP8803 Ø140mm (5.5") PULL TYPE SINTERED CLUTCH ASSEMBLY.
INCLUDING AN OPTIONAL CONCENTRIC SLAVE CYLINDER





FOR OPTIONAL PULL TYPE SLAVE CYLINDER DETAIL SEE SHEET 3

CP8803 CLUTCH FAMILY

MAXIMUM DYNAMIC TORQUE CAPACITY			
(Nm)	1057		
(ft.lb)	779		
RELEASE LOAD			
Max. Peak Worn (N)	5700		
At Travel (N)	4000		
WEAR IN (See Note)	1.50		
Set Up Height New	30.35 29.33		
Set Up Height Worn	22.71		
(Set Up Height is caluclated from the flywheel friction face.)			
Release Ratio	4.41		

	Aluminium Cover	Steel Cover	Titainium Cover
Assembly Mass	n/a	3.31 kg	n/a
Assembly Inertia	n/a	0.0111894 kg.m²	n/a
Estimated Driven Plate Inertia = 0.001812 Kgm²			

PERFORMANCE SUFFIX	**OH**		
For Reference			
Diaphragm Spring Rate	ORA		
Clutch Ratio	HiR		

MATERIAL SUFFIX	COVER MATERIAL	DRIVEN PLATE MATERIAL	DRIVEN PLATE THICKNESS
90	STEEL	SINTERED	2.63mm

FLYWHEEL TYPE

	SUFFIX	COMMENTS
STANDARD FLAT FLYWHEEL	**FF**	FOR INSTALLATION DATA SEE SHEET 2
STANDARD STEPPED FLYWHEEL	**SF**	n/a

Sample AP Racing Part No. **CP8803-OH90-FF**

WEAR IN

THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE,

DRIVEN PLATE THICKNESS NEW: 2.63mm MIN

	FOR 0.75 WEAR-IN	FOR 1.25 WEAR-IN	FOR 1.50 WEAR-IN
DRIVEN PLATE THICKNESS WORN:	n/a	n/a	2.19

DRIVEN PLATES AVAILABLE WITH THE FOLLOWING SPLINE SIZES

SPLINE	PART No.
1"X23T	
7/8" x 20T	
1 5/32" x 26T	CP3683-17FM3
29.0 x10T	
1 1/8" x10T	

Issue No.	Alterations Date & No.	Particulars	Zone	Initials
1	30/07/13	FIRST ISSUE	#	JG
2	12/12/14 C4829	SLAVE CYLINDER CP6245-7 WAS CP6245-44. SEE SHEET 3	#	JG

SCALE 1:1 | SHEET 1 OF 3

DRAWN: Jeremy Govan
APPROVED:
DERIVED FROM:

TITLE
Ø140mm (5.50") TRIPLE PLATE I-DRIVE CLUTCH ASSEMBLY

DRG NO. CP8803CD

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RECOMMENDED CLUTCH MOUNTING :
(FOR ALL TYPES OF ASSEMBLY)
M6 x 1.0, CP4703 FAMILY STUD AND K-LOCK NUT.
NUTS TO BE TIGHTENED IN A DIAMETRICALLY-OPPOSITE SEQUENCE, HALF A TURN AT A TIME
TIGHTENING TORQUE : 10Nm (7.5 ft.lb)

LENGTH OF STUD REQUIRED TO BE CALCULATED THUS :

STUD LENGTH =
DIMENSIONS 'C' + 'F' + NUT

THIS CALCULATED LENGTH TO BE ROUNDED UP TO THE NEXT AVAILABLE STANDARD STUD LENGTH.

THIS ASSEMBLY IS SUPPLIED NEW WITH AN INSTALLATION PLATE AS SHOWN. THIS IS TO ALLOW THE ASSEMBLY TO BOLTED TO THE FLYWHEEL WITHOUT DAMAGING ANY OF THE CLUTCH COMPONENTS.

AFTER BOLTING THE CLUTCH TO THE FLYWHEEL REMOVE THE CIRCLIP AND INSTALLATION PLATE AND RETAIN FOR USE WHEN REMOVING THE ASSEMBLY FROM THE FLYWHEEL.

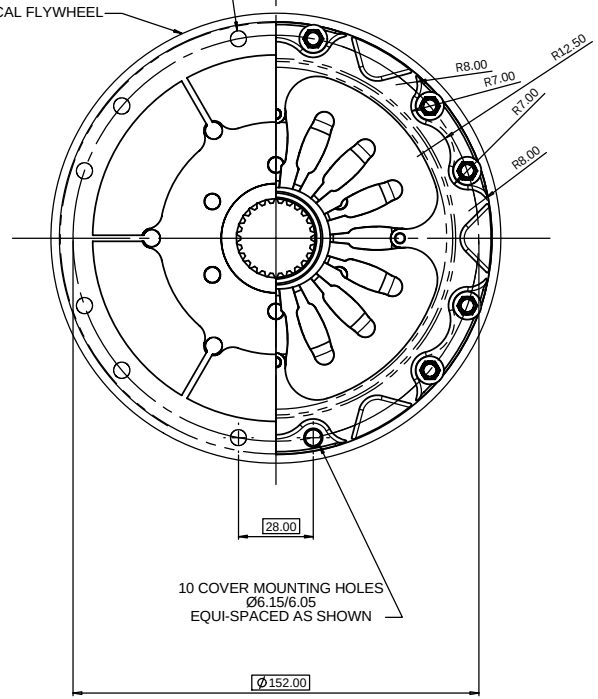
NOTE WHEN REMOVING A WORN CLUTCH ASSEMBLY THE INSTALLATION PLATE IS TO BE FITTED WITH THE 'WORN CONDITION -THIS SIDE UP' INSTRUCTION ON THE OUTSIDE.

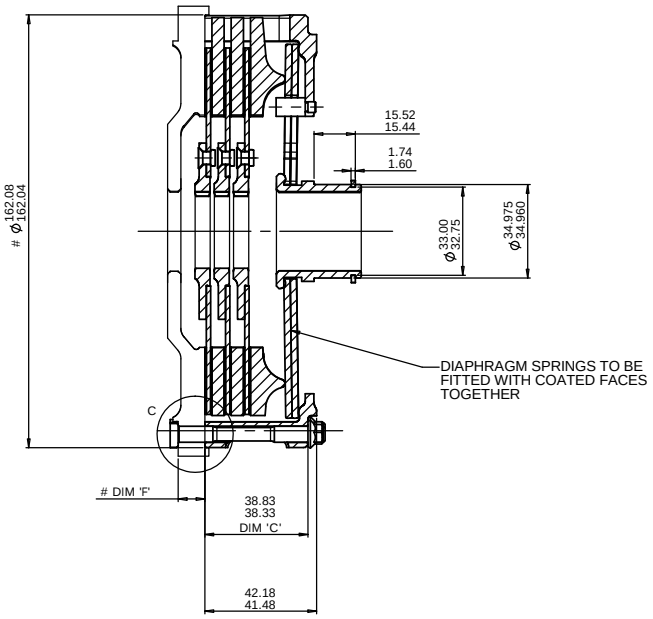
WHEN RETURNING THIS CLUTCH ASSEMBLY BACK TO AP RACING FOR RECONDITIONING PLEASE RETURN WITH THIS INSTALLATION PLATE FITTED.

(RECOMMENDED FOR CP4703 STUDS)

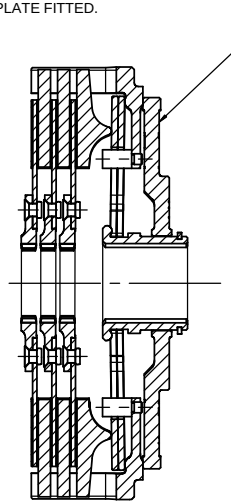
6 x 2 MOUNTING HOLES Ø6.012/6.000 EQUI-SPACED

TYPICAL FLYWHEEL

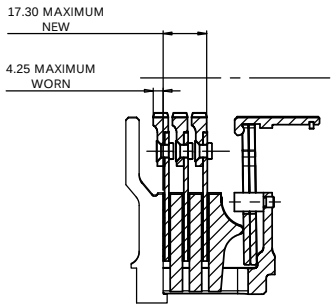


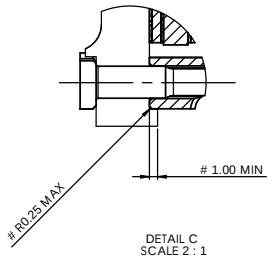


FLYWHEEL DIMENSIONS



SECTION H-H





DETAIL C
SCALE 2 : 1

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SCALE 1:1	SHEET 2 OF 3
DRAWN	Jeremy Govan
APPROVED	
DERIVED FROM	

TITLE

Ø140mm (5.50") TRIPLE PLATE I-DRIVE CLUTCH ASSEMBLY

DRG NO. CP8803CD

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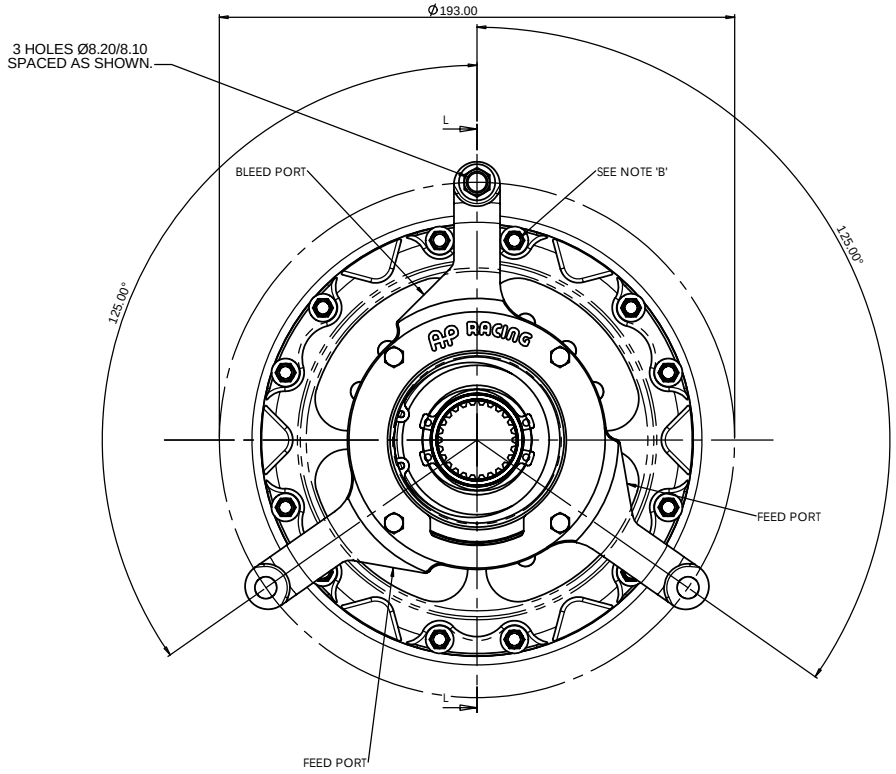

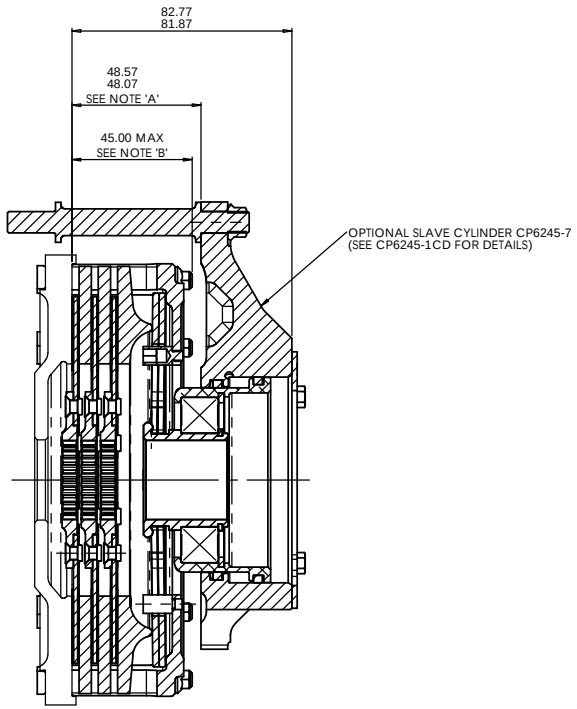

SECTION L-L

NOTE 'A'
THIS DIMENSION MUST BE MAINTAINED
BY THE USE OF CORRECT LENGTH STUDS/SLEEVES
TO ENSURE PROPER FUNCTIONING OF THE RELEASE MECHANISM.

NOTE 'B'
IN THE CASE OF 'OVER LONG' MOUNTING STUD PROTRUSION
THROUGH NUT SOME MACHINING OF STUD LENGTH MAY BE
REQUIRED,

PLEASE CHECK SLAVE CLEARANCE

SLAVE CYLINDER SET-UP HEIGHT FROM NEW
MUST MAKE ALLOWANCES FOR MAXIMUM
CARBON STACK WEAR-IN (1.50 mm) AND
MAXIMUM RELEASE TRAVEL. (4.00mm).

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