

A1 INSTALLATION DRAWING

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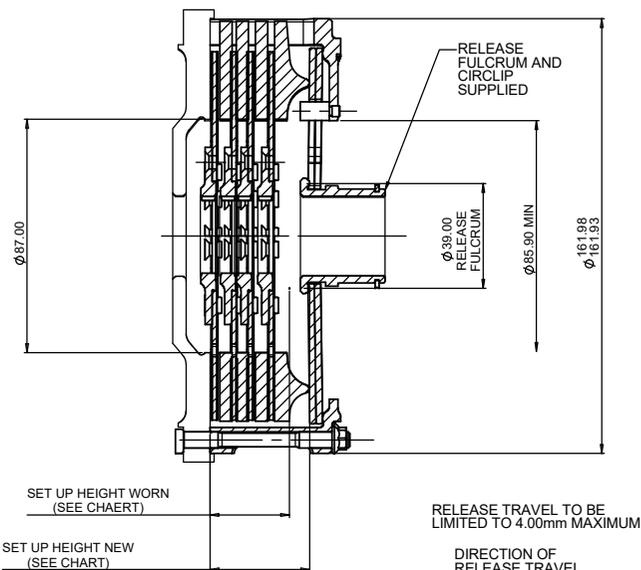
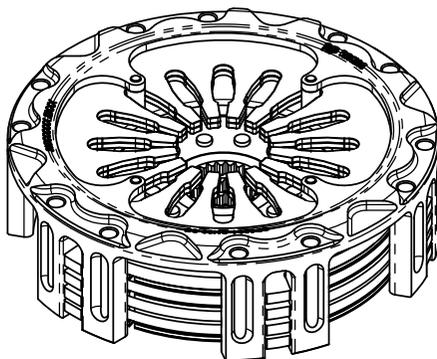


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CP8804 Ø140mm (5.5") PULL TYPE SINTERED CLUTCH ASSEMBLY.



FOR OPTIONAL PULL TYPE SLAVE CYLINDER
DETAIL SEE SHEET 3

CP8804 CLUTCH FAMILY

MAXIMUM DYNAMIC TORQUE CAPACITY			
(Nm)	1410		
(ft.lb)	1039		
RELEASE LOAD			
Max. Peak Worn (N)	5700		
Max. Peak New (N)	4000		
WEAR IN (See Note)			
	1.50		
Set Up Height New	39.19		
Set Up Height Worn	35.95		
(Set Up Height is calculated from the flywheel friction face.)			
Release Ratio	4.41		
	Aluminium Cover	Steel Cover	Titanium Cover
Assembly Mass	n/a	4.00 kg	n/a
Assembly Inertia	n/a	0.013353 kg.m ²	n/a
Estimated Driven Plate Inertia = 0.0024175 Kgm ²			
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. **CP8804-OH90-FF**

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

DRIVEN PLATE THICKNESS NEW:	2.63mm MIN		
DRIVEN PLATE THICKNESS WORN:	FOR 0.75 WEAR-IN	FOR 1.25 WEAR-IN	FOR 1.50 WEAR-IN
	n/a	n/a	2.26

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			Zone	Initials
	Date & No.	Particulars	#		
1	30/07/13	FIRST ISSUE		#	JG
2	15/08/13	SUH CORRECTION NOW AS ISSUE 1		#	JG
3	15/04/14 C4698	SUH REVISED 39.19/35.95 WAS 37.56/36.44 29.33 WAS 29.82		J11	BJP
4	13/05/14	SHEET 3: REF TO CARBON STACK REPLACED BY "CLUTCH"		#	JG
5	01/09/15 C4954	SHEET 3, SLAVE CYLINDER. CP6245-7 WAS CP6245-44		#	JG
6	24/11/15	DIAPHRAGM SPRING COATING NOTE WAS BOTH FACES TOGETHER		#	JG
7	02/07/19 RAC23346	"MAX. PEAK NEW" WAS "AT TRAVEL"		K10	DSM
8	09/05/2023 RAC23507	SLAVE MOUNTING VALUES UPDATED ON SHEET 3.		L10	PGT

SCALE 1:1	SHEET 1 OF 3
DRAWN	Jeremy Govan
APPROVED	
DERIVED FROM	
TITLE	Ø140mm (5.50") QUAD PLATE I-DRIVE CLUTCH ASSEMBLY
DRG NO.	CP8804CD

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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' + ('R' OPTIONAL) + 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.

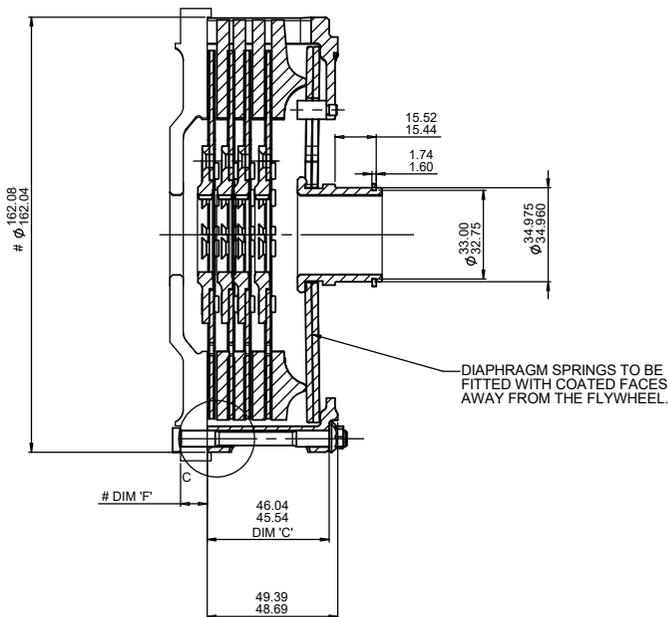
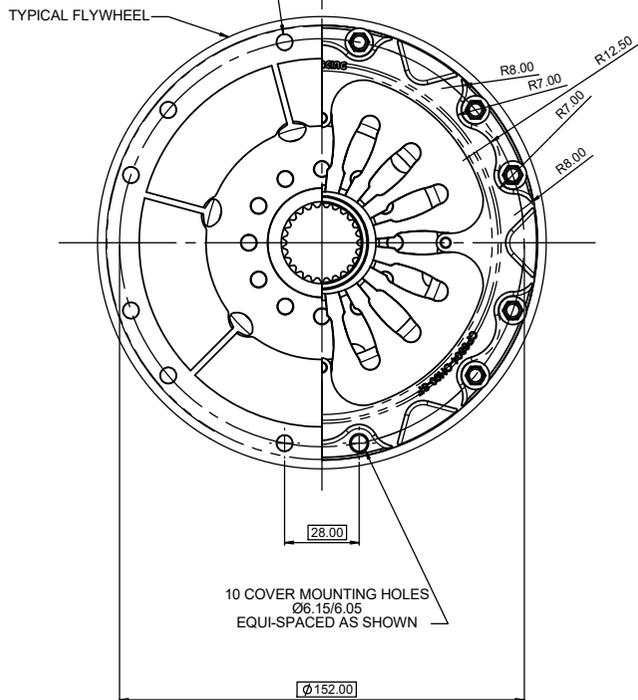
NOTE WHEN REMOVING A WORN CLUTCH ASSEMBLY THE INSTALLATION PLATE IS TO BE FITTED WITH THE 'WORN CONDITION -THIS SIDE UP' INSTRUCTION ON THE OUTSIDE.

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

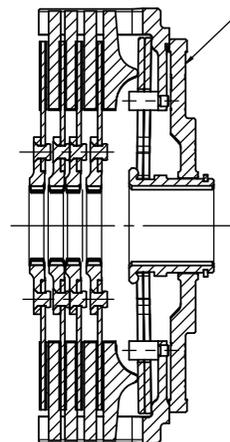
(RECOMMENDED FOR CP4703 STUDS)

6 x 2 MOUNTING HOLES Ø6.012/6.000

EQUI-SPACED



FLYWHEEL DIMENSIONS

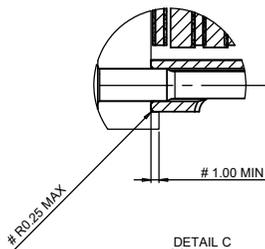
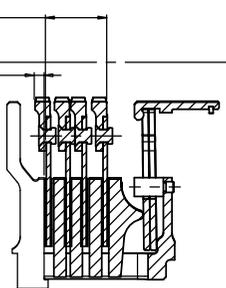


SECTION H-H

DIAPHRAGM SPRINGS TO BE FITTED WITH COATED FACES AWAY FROM THE FLYWHEEL.

24.00 MAXIMUM NEW

4.25 MAXIMUM WORN



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

SCALE 1:1	SHEET 2 OF 3
DRAWN	Jeremy Govan
APPROVED	
DERIVED FROM	
TITLE	
Ø140mm (5.50") QUAD PLATE I-DRIVE CLUTCH ASSEMBLY	
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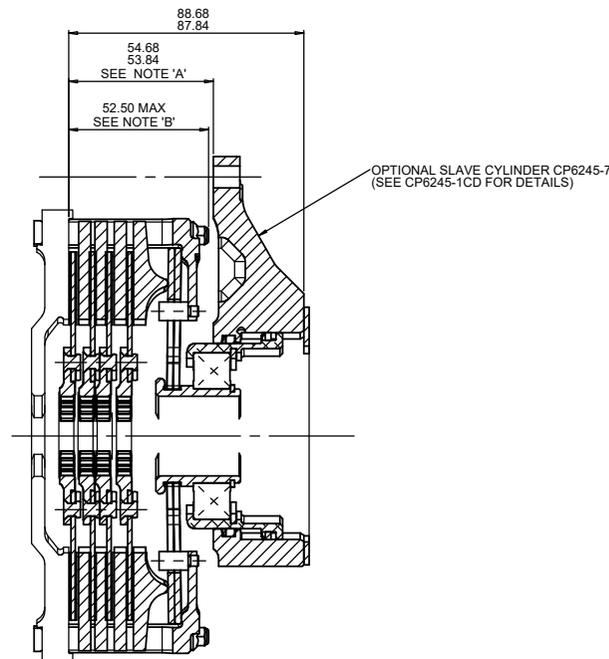
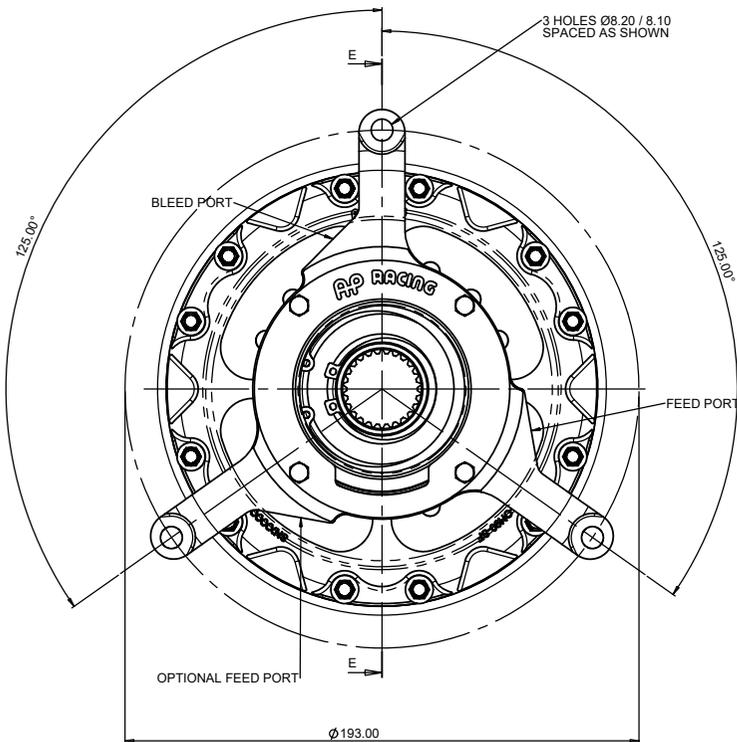
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SECTION E-E

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 CLUTCH WEAR-IN (1.50 mm) AND MAXIMUM RELEASE TRAVEL (4.00mm).

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

SCALE 1:1 SHEET 3 OF 3

DRAWN Jeremy Govan

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TITLE

Ø140mm (5.50") QUAD PLATE

I-DRIVE CLUTCH ASSEMBLY

DRG NO. CP8804CD