

A1 INSTALLATION DRAWING

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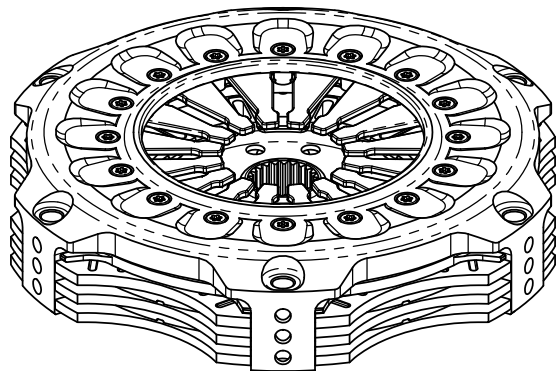


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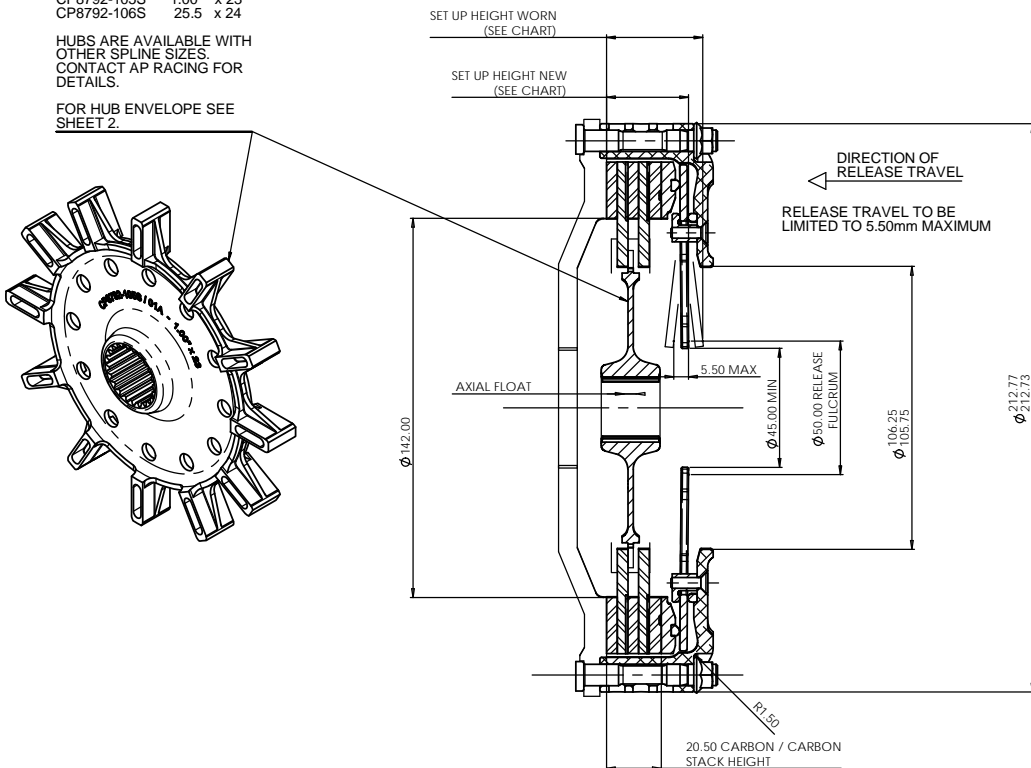
CP8792 Ø184mm (7.25") CARBON / CARBON CLUTCH ASSEMBLY INCLUDING A CUSHION PRESSURE PLATE SYSTEM (CPS)



HUB PART No. SPLINE
CP8792-105S 1.00" x 23
CP8792-106S 25.5 x 24

HUBS ARE AVAILABLE WITH OTHER SPLINE SIZES. CONTACT AP RACING FOR DETAILS.

FOR HUB ENVELOPE SEE SHEET 2.



SECTION A-A

CP8792 CLUTCH FAMILY

MAXIMUM DYNAMIC TORQUE CAPACITY			
(Nm)	629	741	
(ft.lb)	463	546	
RELEASE LOAD			
Max. Peak Worn (N)	4150	4450	
Max. Peak New (N)	2950	3750	
WEAR IN (See Note)			
	1.25	1.25	
Set Up Height New	31.34	31.57	
	29.81	30.04	
Set Up Height Worn	36.01	36.24	
(Set Up Height is calculated from the flywheel friction face.)			
Release Ratio	3.70	3.70	
Estimated Assembly Mass (Inc. Hub with Steel Main Pressure Plate) = 2.43Kg Estimated Assembly Inertia (Inc. Hub with Steel Main Pressure Plate) = 0.01384Kgm² Estimated Driven Plate and Hub Inertia = 0.0022152Kgm²			
PERFORMANCE SUFFIX	OV	CV	
For Reference			
Diaphragm Spring Rate	ORA	CRV	
Clutch Ratio	VHR	VHR	

MATERIAL SUFFIX	COVER MATERIAL	PRESSURE PLATE MATERIAL	CARBON / CARBON TYPE
01	ALUMINIUM	STEEL	NORMAL DUTY (S1)
02	ALUMINIUM	STEEL	HEAVY DUTY (S3)
22	ALUMINIUM	STEEL	NORMAL DUTY (S6)
28	ALUMINIUM	STEEL	NORMAL DUTY (S9)

FLYWHEEL TYPE		
	SUFFIX	COMMENTS
FLAT FLYWHEEL	FN	N/A
STEPPED FLYWHEEL	SN	FOR INSTALLATION DATA SEE SHEET 2
FLAT FLYWHEEL WITH CPS	FP	N/A
STEPPED FLYWHEEL WITH CPS	SP	FOR INSTALLATION DATA SEE SHEET 2

Sample AP Racing Part No. **CP8792-OV02-SP**

WEAR IN
THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE, WHICH MUST BE COMPENSATED FOR BY USING PRESSURE PLATE "SHIMS" FROM THE KITS DETAILED BELOW.
THE MAXIMUM CARBON STACK WEAR FOR THIS ASSEMBLY IS 4.00mm

	OV & CV		
STANDARD KIT 0.50 - 2.50 IN 0.50 STEPS	CP8032-8		
INTERMEDIATE KIT 0.25 - 2.75 IN 0.50 STEPS	CP8032-9		

Issue No.	Alterations			Zone	Initials
	Date & No.	Particulars			
1	15/02/13 C4442	FIRST ISSUE		#	JG
2	14/03/13 C4442	INSTALLATION WIRE DETAIL ADDED.		#	JG
3	29/10/13 C4442	SUH NEW: 31.34/29.81 WAS 31.34/39.81		#	JG
4	28/02/14 C4442	PRESSURE PLATE KITS: CP8032-8 & -9 WAS CP8972-8 & -9		#	JG
5	31/03/14 C4442	CV' SPEC ADDED		#	JG

SCALE 1:1 SHEET 1 OF 2

DRAWN Jeremy Govan

APPROVED

DERIVED FROM cp8039 / cp8032

TITLE
Ø184mm (7.25") CARBON
CLUTCH INSTALLATION

DRG NO. CP8792CD

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RECOMMENDED CLUTCH MOUNTING :
(FOR ALL TYPES OF ASSEMBLY)
M8 x 1.0, CP4702 FAMILY STUD AND
K-LOCK NUT.
TIGHTENING TORQUE : 19Nm (14 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.

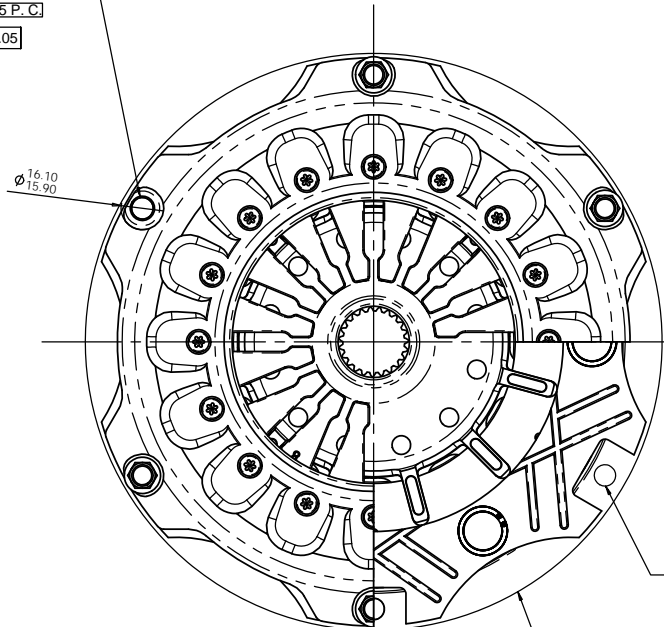
STEPPED FLYWHEEL - SUFFIX SN AND SP

12 MOUNTING HOLES Ø8.15/8.05

EQUI-SPACED AS SHOWN

Ø200.025 P.C

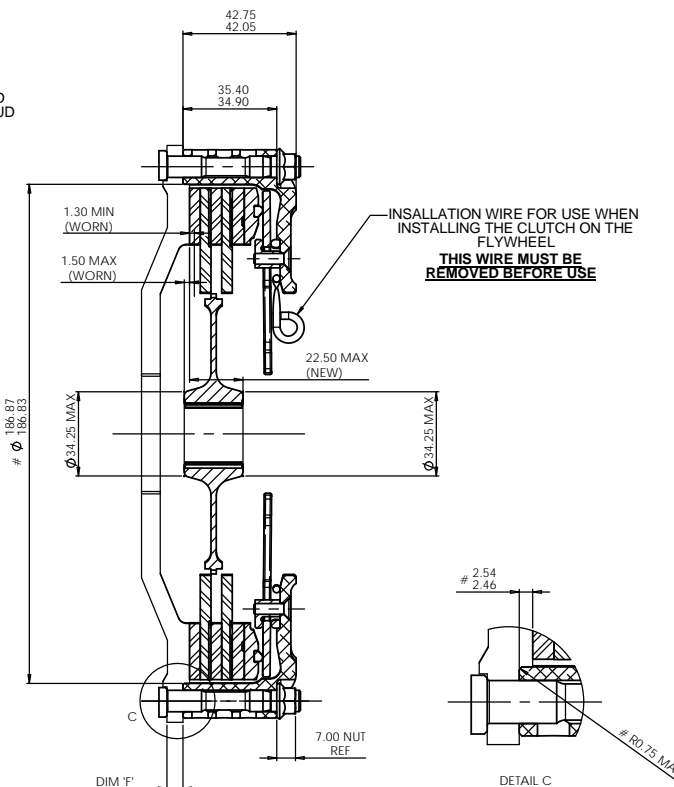
±0.05



16.10
15.90

CUSTOMER FLYWHEEL

(RECOMMENDED FOR CP4702 STUDS)
8 STUD MOUNTING HOLES
Ø8.020/8.005
EQUI-SPACED ON A
Ø200.025 P.C



186.87
186.83

DIM 'F'

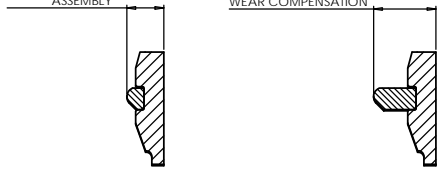
FLYWHEEL DIMENSIONS

2.54
2.46

DETAIL C
SCALE 2 : 1

0.00mm
AS SUPPLIED WITH
THE NEW CLUTCH
ASSEMBLY

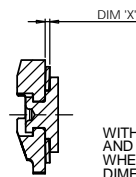
+Ymm
MAXIMUM CARBON
WEAR COMPENSATION



CUSHION PRESSURE
PLATE ASSEMBLY

INTERMEDIATE CARBON / CARBON
PRESSURE PLATE

SPLIT WASHER (x 6)



CUSHIONING REPLACEMENT CRITERIA

WITH TIME AND USE THE CUSHIONING EFFECT WILL DETERIORATE AND COMPONENTS SHOULD BE SERVICED WITH THE ABOVE KIT WHEN EITHER THE BELLEVILLES BECOME LOOSE OR WHEN DIMENSION 'X' FALLS BELOW 1.00, TAKEN AS THE AVERAGE OF 4 EQUALLY SPACED MEASUREMENTS AROUND THE CIRCUMFERENCE OF THE BELLEVILLE.

FITTING OF SPLIT WASHERS

COMPRESS THE SPLIT WASHER USING PLIERS AND FIT INTO THE LARGER OF THE RECESSED COUNTER BORES IN THE CARBON / CARBON INTERMEDIATE PRESSURE PLATE, CHAMFER FIRST ENSURE THE SPLIT WASHER ARE FLUSH WITH THE BOTTOM OF THE POCKET

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SCALE 1:1	SHEET 2 OF 2
DRAWN	Jeremy Govan
APPROVED	
DERIVED FROM	cp8039 / cp8032
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