

# A1 INSTALLATION DRAWING

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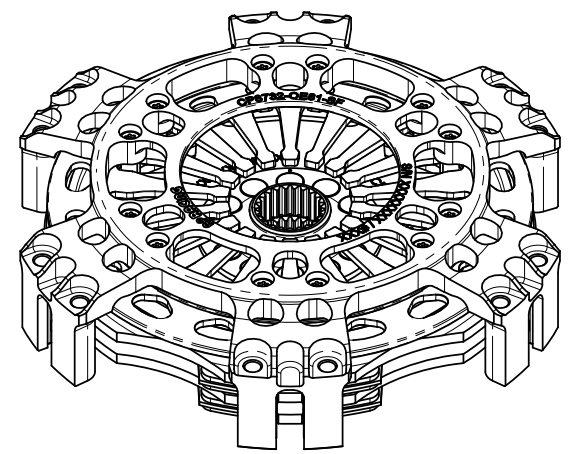


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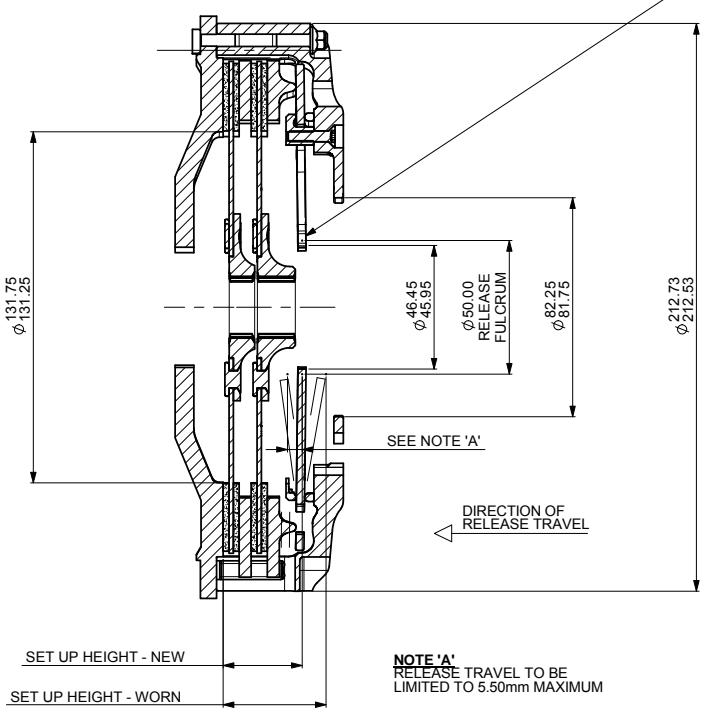


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## CP8732 - Ø184.00mm (7.25") CERAMETALLIC INTERNAL DRIVE TWIN PLATE CLUTCH ASSEMBLY WITH OPTIONAL COVER CUSHION SYSTEM



**RECOMMENDED RELEASE BEARING :-**  
STEEL CAGED, ROUND NOSED BALL TYPE BEARING TO BE FREE OF SPRING FINGERS WHEN CLUTCH IS FULLY ENGAGED.  
CP3457-2 STANDARD RELEASE BEARING (OUTER RACE ROTATES)  
CP3457-6 HIGH SPEED RELEASE BEARING (INNER RACE ROTATES)



## CP8732 CLUTCH FAMILY

| MAXIMUM DYNAMIC TORQUE CAPACITY                                |       |                           |                           |
|----------------------------------------------------------------|-------|---------------------------|---------------------------|
| (Nm)                                                           | 711   | 608                       | 475                       |
| (ft.lb)                                                        | 524   | 448                       | 350                       |
| RELEASE LOAD                                                   |       |                           |                           |
| Max. Peak Worn (N)                                             | 4150  | 4150                      | 4150                      |
| At Travel (N)                                                  | 2950  | 2950                      | 2950                      |
| WEAR IN (See Note)                                             |       |                           |                           |
|                                                                | 1.25  | 1.25                      | 1.75                      |
| Set Up Height New                                              | 32.36 | 32.17                     | 31.90                     |
|                                                                | 29.99 | 30.04                     | 30.10                     |
| Set Up Height Worn - MAX                                       | 37.68 | 38.81                     | 37.43                     |
| (Set Up Height is calculated from the flywheel friction face.) |       |                           |                           |
| Release Ratio                                                  | 4.13  | 3.70                      | 3.08                      |
|                                                                |       | Standard                  | Cushion                   |
| Estimated Assembly Mass (No Driven Plates)                     |       | 1.86 kg                   | 1.94 kg                   |
| Estimated Assembly Inertia (No Driven Plates)                  |       | 0.01180 kg.m <sup>2</sup> | 0.01211 kg.m <sup>2</sup> |
| Estimated Driven Plate Inertia - Sheet 2 for details           |       |                           |                           |

| PERFORMANCE SUFFIX    | OE  | OV  | OH  |
|-----------------------|-----|-----|-----|
| For Reference         |     |     |     |
| Diaphragm Spring Rate | ORA | ORA | ORA |
| Clutch Ratio          | EHR | VHR | HIR |

| MATERIAL SUFFIX | DRIVE PLATE MATERIAL | DRIVE PLATE THICKNESS |
|-----------------|----------------------|-----------------------|
| 81              | CERAMETALLIC         | 6.00mm                |

| FLYWHEEL TYPE    |        |                                   |
|------------------|--------|-----------------------------------|
|                  | SUFFIX | COMMENTS                          |
| FLAT FLYWHEEL    | FF     | N/A                               |
| STEPPED FLYWHEEL | SF     | FOR INSTALLATION DATA SEE SHEET 2 |

Sample AP Racing Part No's.  
**CP8732-OH81-SF** Standard Assembly  
**CP8732-OH81-SR** Cushion Assembly

| WEAR IN                                                                |
|------------------------------------------------------------------------|
| THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE,         |
| DRIVEN PLATE THICKNESS NEW: 6.00mm Nominal                             |
| DRIVEN PLATE THICKNESS WORN (for 1.25 wear in (EHR)) : 5.37mm Minimum  |
| DRIVEN PLATE THICKNESS WORN (for 1.75 wear in (HIR)) : 5.10 mm Minimum |
| FOR DRIVEN PLATE DETAILS SEE SHEET 2                                   |

| Issue No. | Alterations          |                              | Zone | Initials |
|-----------|----------------------|------------------------------|------|----------|
|           | Date & No.           | Particulars                  |      |          |
| 1         | 15/11/18<br>C5297    | FIRST ISSUE                  | #    | bcB      |
| 2         | 29/11/19<br>C5297_05 | CUSHION COVER DESIGN UPDATED | #    | bcB      |

|                                               |                       |
|-----------------------------------------------|-----------------------|
| SCALE 1:1                                     | SHEET 1 OF 2          |
| DRAWN                                         | DAVID CONSTABLE-BERRY |
| APPROVED                                      |                       |
| DERIVED FROM                                  | CP8872                |
| TITLE                                         |                       |
| Ø184mm (7.25") TWIN PLATE CLUTCH INSTALLATION |                       |
| DRG NO.                                       | CP8732CD              |

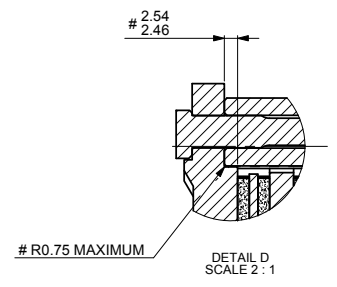
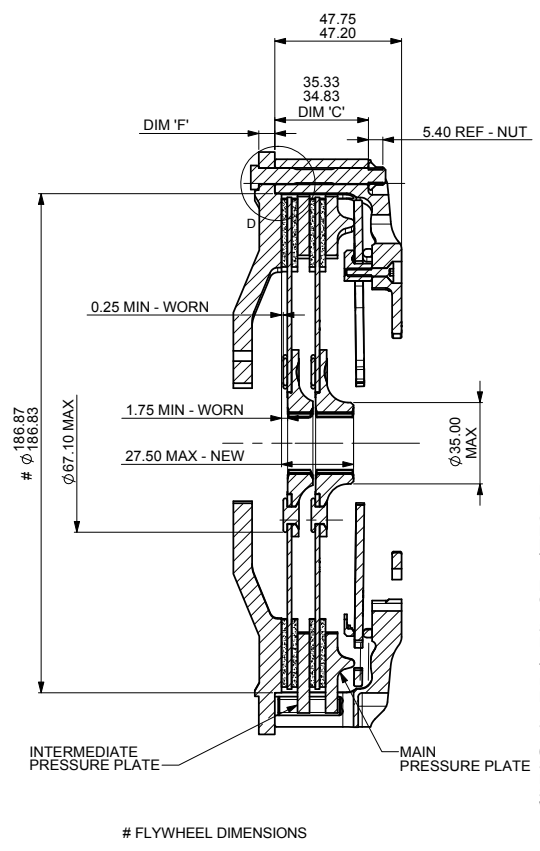
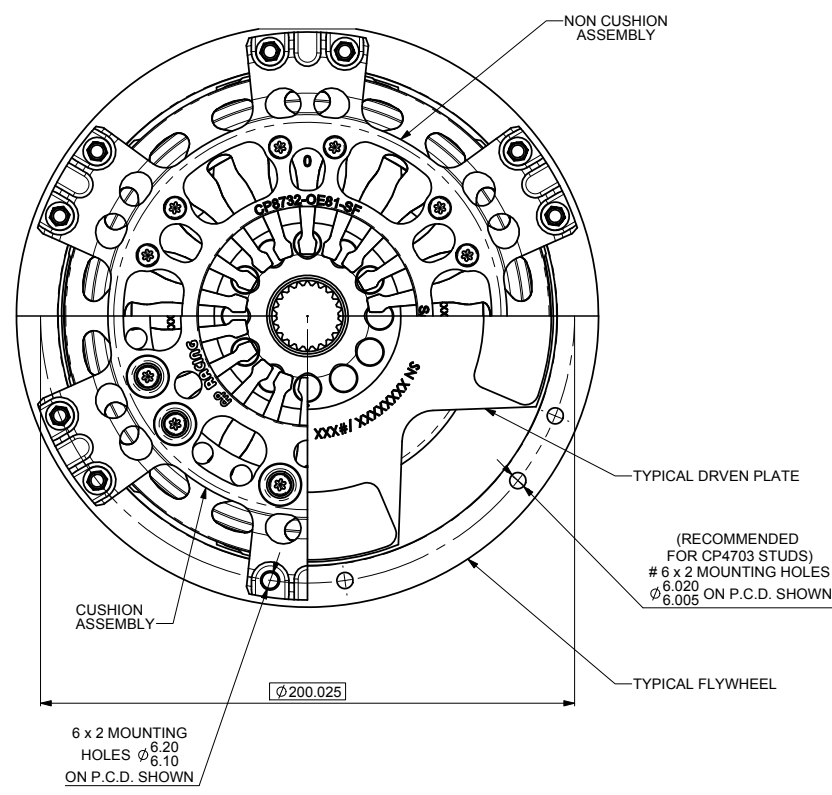
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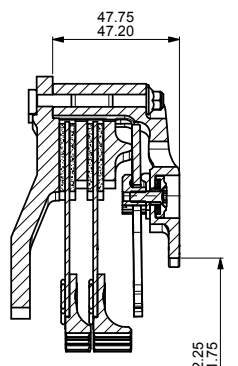


RECOMMENDED CLUTCH MOUNTING :  
 (FOR ALL TYPES OF ASSEMBLY)  
 M6 x 1.0, CP4703 FAMILY STUD AND K-LOCK NUT.  
 TIGHTENING TORQUE : 10Nm (7.5 ft.lb)

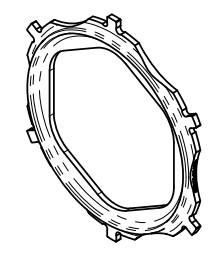
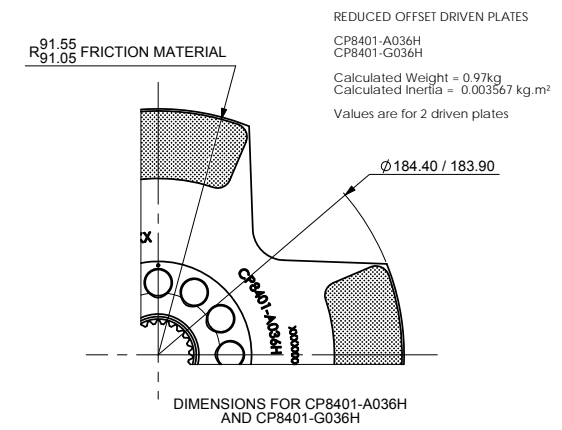
LENGTH OF STUD REQUIRED TO BE CALCULATED THUS :  
 STUD LENGTH = DIMENSIONS 'C' + 'F' + NUT

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

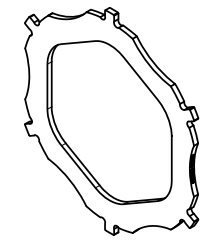
SUGGESTED FLYWHEEL MATERIAL:  
 0.35/0.45% CARBON STEEL, BRINELL 200 MIN. OR SUITABLE MATERIAL FOR HIGH RPM.  
 FRICTION FACE TO BE FINE TURNED AND GROUND SMOOTH AND FLAT. RUN OUT AT R77.2,  $\pm 0.08$  WHEN ASSEMBLED TO CRANKSHAFT.



SECTION THROUGH THE CUSHION ASSEMBLY. ALL OTHER INSTALLATION DETAILS AS THE NON CUSHION ASSEMBLY.



REPLACEMENT MAIN PRESSURE PLATE - CP8752-101



REPLACEMENT INTERMEDIATE PRESSURE PLATE - CP8042-102

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

|                                               |                       |
|-----------------------------------------------|-----------------------|
| SCALE 1:1                                     | SHEET 2 OF 2          |
| DRAWN                                         | DAVID CONSTABLE-BERRY |
| APPROVED                                      |                       |
| DERIVED FROM                                  | cp8872cd              |
| TITLE                                         |                       |
| Ø184mm (7,25") TWIN PLATE CLUTCH INSTALLATION |                       |
| DRG NO.                                       | CP8732CD              |