Last Saved: shyoung on 10 September 2019 11:04:27 N:\SolidWorks\Customer\cp6468-1CD.slddrw INSTALLATION If this document is printed in hardcopy THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE LOANED OR COPIED OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF AP RACING LTD. AP Racing it is for information use only and therefore is Wheler Road **DRAWING** 0 not subject to updating controls. Always Coventry FIRST ANGLE PROJECTION refer to viewer for latest issue. CV3 4LB සුමුයුගල Tel: +44 024 7663 9595 Fax: +44 024 7663 9559 FITTING 29.00 INLET FITTINGS SHOWN --- ARE NOT SUPPLIED WITH THE CYLINDER 3 ALTERNATIVE INLET e-mail: sales@apracing.co.uk 90° © AP Racing Ltd. 2017 FITTINGS SHOWN. THESE FITTINGS ARE DESIGNED TO SUIT THE GOODRIDGE G-LINE RANGE OF FITTINGS Web site-http://www.apracing.com FITTING 75.00° ANGLED FITTINGS CAN EACH PART WILL BE LASER ETCHED WITH Alterations 26.00 STRAIGHT F ROTATE TO ANY AND HOSES. AP RACING RECOMMENDS THE Date & No. **Particulars** POSITION. 910 SERIES HOSES THE SIZE, PART No. 30/09/14 IRST ISSUE СН # Ø7.15 12.50 90° FI ALTV. INLETS:- (AVAILABLE FROM AP RACING) AND A SERIAL NO. R12.7 CP6465-10 (75° BEND AS SHOWN) 12/05/17 RAC22233 2 BEARING I.D ADDED 7F CH 28.6 CP6465-11 (STRAIGHT) CP6465-12 (90° BEND) 3 PISTON REFERENCE 3C SCY DIMENSIONS UPDATED TO 12.00 Ø14.00 MAX 45.75 **THREAD** 24 <u>ക്കളുമലനം അ</u> نتتتا Ø6.00 M8x1.25 THREAD 25.40 23.25 3_{1.75} 81.10 MAX **RUBBER BOOT IS** TO CAP STROKE **INCLUDED FOR** 89.90 42.51 DEBRIS PROTECTION. TO BOOT TO BOOT CAN ALSO BE SOLD FLATS ON PISTON TO -THIS CYLINDER IS DESIGNED TO SEPARATELY AS A HELP ASSEMBLY INTO FIT DIRECT TO OUR RANGE OF SPARE, CP6465-121 THE PEDAL BOX. MOVE PULL TYPE PEDAL BOXES. OR 3off KIT CP6465-20.-**BOOT TEMPORARILY TO** GAIN ACCESS. **GENERAL DESCRIPTION** 23 THIS PULL TYPE MASTER CYLINDER HAS BEEN DESIGNED TO BE MORE EFFICIENT THAN NORMAL MASTER CYLINDERS. THIS IS DUE TO THE COMPACT NATURE, HEX HEAD BOLT M4x0.7 THREAD, RECOMMENDED TIGHTENING TORQUE THERE IS LESS CHANCE OF UNWANTED SIDE LOADING. DESIGNED INTO THE BACK OF THE CYLINDER IS A SPHERICAL BEARING. THE SPECIAL INLET FITTING AND OUTLET M10x1.00 THREAD, 90Deg OUTLET ALLOWS THE CYLINDER TO SIT LOW BUT WITHOUT TRAPPING AIR. OUR SELECTION OF RECOMMEND OUTLETS ARE SHOWN ON 3.0 - 3.5Nm (2.2-2.5 lbft), WE ALSO RECOMMEND 8.00 MIN THREAD DEPTH, SEE FITTING OPTIONS. THE USE OF LOCTITE 243 SHEET 2. THREAD LOCKER. APPROX. WEIGHTS RANGE FROM 230grams TO 270grams. REFERENCE DIMS PART NUMBER SIZES FOR BOREØ PISTON Ø Area CALCULATIONS CP6468-149PRME 14.9 (0.587") 19.05 171.93 12.00 CP6468-162PRME 16.2 (0.638") 206.48 19.05 10.00 CP6468-173PRME 17.3 (0.681") 22.23 234.01 14 00 ISOMETRIC VIEW CP6468-188PRME 18.8 (0.740") 22.23 274.85 12.00 CP6468-202PRME 20,2 (0.795") 22.23 320.75 9 25 FOR SEAL REPAIR KIT INFORMATION, SEE SHEET 2. OPTIMUM PULL TYPE CYLINDER DESIGN MEANS THAT TO USE STANDARDS SEAL SIZES AND BORE SCALE 1:1 SHEET 1 OF 2 SIZES. THERE WOULD BE A SLIGHT VARIATION FROM STANDARD CYLINDERS. THE SIZES WERE DRAWN Connor Homeyard ALSO ADJUSTED TO GIVE EQUAL STEPS BETWEEN APPROVED THE DIFFERENT SIZES. DERIVED FROM THE TABLE SHOWS THE MASTER CYLINDER PART TITI F NUMBERS AND A BORE SIZE THAT WOULD REFLECT A PUSH TYPE CYLINDER. THE CORRECTED BORE PULL TYPE MASTER CYLINDER SIZE. THE PART NUMBER ALSO REFLECTS THE CYLINDER SIZE. WITH SPHERICAL BEARING DRG NO. CP6468-1CD

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Last Saved: shyoung on 10 September 2019 11:04:27 N:\SolidWorks\Customer\cp6468-1CD.slddrw INSTALLATION If this document is printed in hardcopy THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE LOANED OR COPIED OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF AP RACING LTD. AP Racing it is for information use only and therefore is Wheler Road **DRAWING** 0 not subject to updating controls. Always FIRST ANGLE PROJECTION Coventry refer to viewer for latest issue CV3 4LB Tel: +44 024 7663 9595 Fax: +44 024 7663 9559 RACING INCLUDED WITH REF DESCRIPTION CORRECTED BORE REFERENCE DIMS REPAIR KIT e-mail: sales@apracing.co.uk © AP Racing Ltd. 2005 PART NUMBER SIZES FOR Repair Kits BOREØ PISTON Ø Area Web site-http://www.apracing.com PRIMARY CUP SEAL Yes CALCULATIONS Alterations SLYDRING BEARING Yes CP6468-149PRME 14.9 (0.587") 171.93 CP6465-149RK 12.00 Date & No. **Particulars** M/CYL RETURN SPRING CP6468-162PRME 16.2 (0.638") 19.05 10.00 206.48 CP6465-162RK SEE SHEET1 FOR ISSUE LEVEL PISTON WASHER Yes CP6468-173PRME 17,3 (0.681") 22.23 CP6465-173RK 14.00 234.01 **D-RING PISTON SEAL** Yes CP6468-188PRME 18.8 (0.740") 22.23 274.85 CP6465-188RK 12.00 PISTON STOP CP6468-202PRME 20,2 (0.795") 22.23 320.75 CP6465-202RK 9.25 **PISTON** O-RING CAP SEAL Yes **ENDCAP** OTHER IMPORTANT NOTES 10 BODY - ENSURE BORE IS FREE OF DEBRIS. - LUBRICATE SEALS AND BORE WITH BRAKE FLUID 11 LOCKNUT M8x1.25 PRIOR TO ASSEMBLY BOOT 9 CARE MUST BE TAKEN WHEN ASSEMBLING SEALS (5)13 SPHERICAL BEARING "APRACING AS DAMAGE MAYBE CAUSED TIGHTEN ENDCAP TO 24Nm [18lbf-ft], AND USE LOCTITE THREADLOCKER, 242 or 243. (10)(13) OUTLET FITTINGS NOT SUPPLIED WITH THE CYLINDER. ONLY OPTION B PARTS CAN BE OBTAINED FROM AP RACING. **OUTLET OPTION B OUTLET OPTION A** THE DIFFERENT **OUTLET OPTION C** 8.00 MIN TYPES REFER THREAD TO THE THREAD ON THIS TUBE NUT. -GOODRIDGE, MALE TO MALE ADAPTOR M10x1.00 TO 3/8" UNF, Pt No. 305-03-31 GOODRIDGE BANJO. TQ TYPES: YOUR PREFERNCE. CP6465-16 - 3/8"UNF GOODRIDGE, RIGHT SCALE 1:1 SHEET 2 OF 2 CP6465-17 - M10x1.0-DRAWN Connor Homeyard ANGLE FITTING TO YOUR PREFERENCE. APPROVED GOODRIDGE. DERIVED FROM SINGLE BANJO BOLT Pt No. 992-03-31, M10x1.00 TITLE PULL TYPE MASTER CYLINDER NO GASKET WITH SPHERICAL BEARING NO GASKET REQUIRED 20.00 REQUIRED DRG NO. CP6468-1CD 12