

# A1 INSTALLATION DRAWING

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FIRST ANGLE PROJECTION

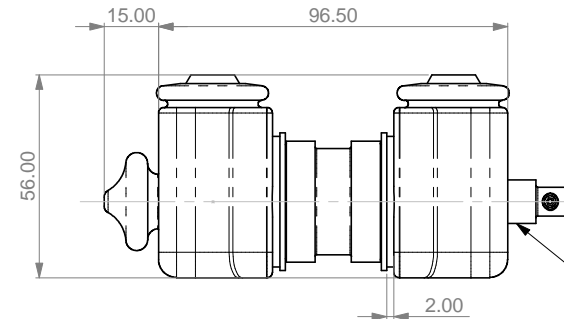
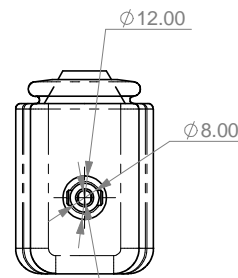
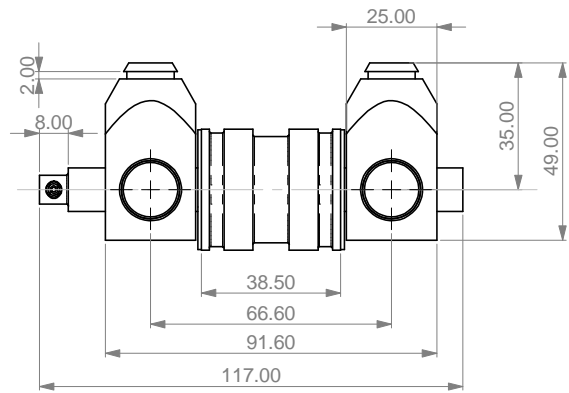
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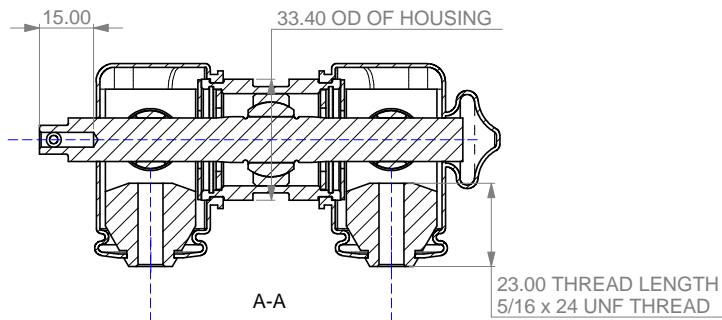
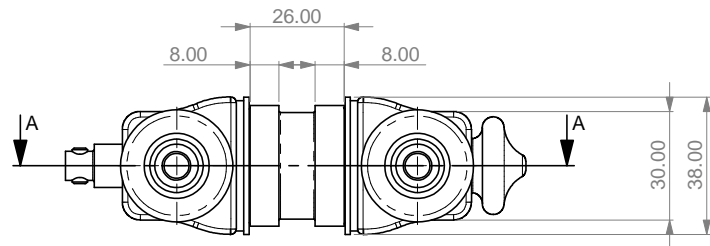
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Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
1	16/05/2002 B3242	CURRENT ISSUE		FM



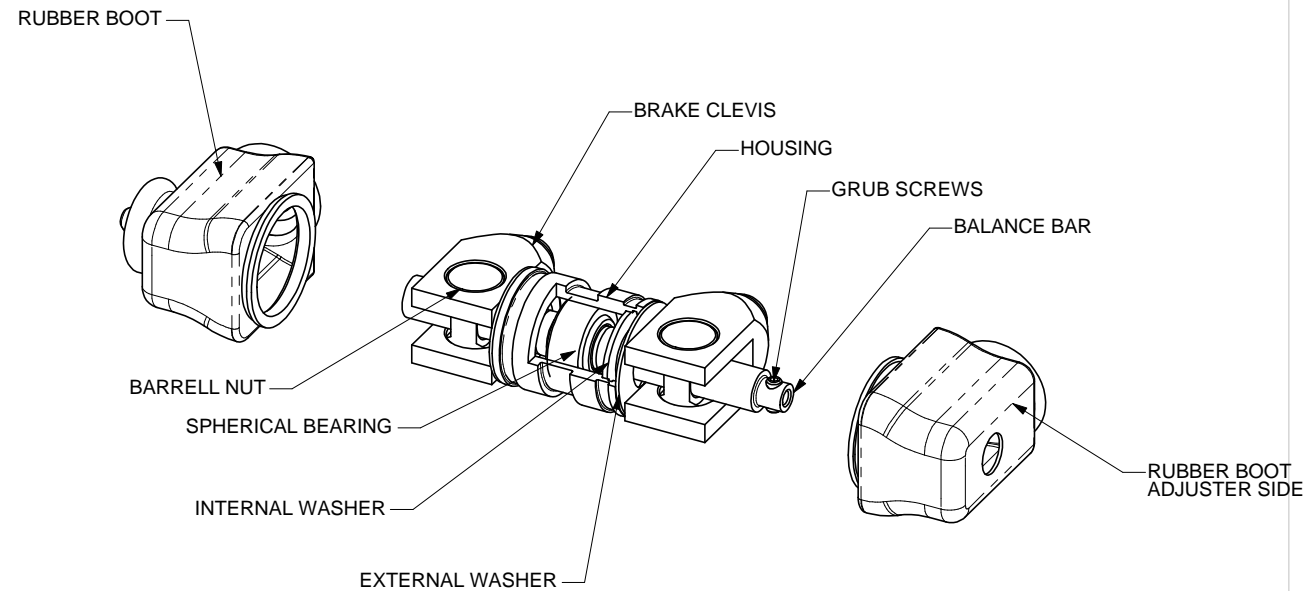
Ø4.00 FOR CABLE ADJUSTER  
 AP RACING CABLE ADJUSTER, CP2905-18  
 AND STEPPER MOTOR KIT, CP5500-14  
 AVAILABLE ON REQUEST.

M12x1.0 THREAD.  
 1 TURN = 1.0MM OF BEARING MOVEMENT.



### BALANCE BAR ASSEMBLY INSTALLATION

1. POSITION HOUSING INTO A HOLE IN THE BRAKE PEDAL OF REQUIRED DIAMETER (33.50) THIS HOLE SHOULD BE POSITIONED SUCH THAT UNDER NORMAL BRAKING LOADS THE CENTRE IS IN LINE WITH MASTER CYLINDER BORES.
  2. WELD OR BOND THE HOUSING IN POSITION.
  3. GREASE THE BORE OF THE HOUSING AND THE OUTER RACE OF THE SPHERICAL BEARING
  4. INSERT THE BALANCE BAR, WITH BEARING ATTACHED, INTO THE HOUSING WITH THE ADJUSTER END AT THE DESIRED SIDE.
  5. INSERT THE 2 INTERNAL WASHERS INTO THE HOUSING AND RETAIN WITH CIRCLIPS.
  6. PLACE EXTERNAL WASHERS OVER BALANCE BAR AND THEN SCREW ON BOTH CLEVIS'S AND BARRELL NUTS UNTIL THEY START TO BIND. THEN ROTATE ONE OF THEM BACK ONE TURN.
- TIP: HALF TURN ADJUSTMENTS CAN BE MADE BY TAKING ONE CLEVIS AND BARRELL NUT BACK TO THE END OF THE BALANCE BAR, FLIPPING THE CLEVIS OVER, AND THEN THREADING THE BARRELL NUT BACK INTO PLACE.
7. STRETCH BOOTS OVER THE CLEVIS'S AND LOCATE THEM ON THE GROOVES ON THE HOUSING AND CLEVIS'S
  8. ATTACH ADJUSTER TO THE END OF THE BALANCE BAR USING THE GRUB SCREWS.
  9. SCREW IN PUSH RODS AND ADJUST SO THAT UNDER NORMAL BRAKING THE BALANCE BAR LIES PERPENDICULAR TO THE PUSH RODS AND THE PEDAL IS VERTICAL. IT IS NOT IMPORTANT IF THE BALANCE BAR IS NOT SQUARE WHEN RELEASED, BUT IT SHOULD BE WHILST BRAKING FOR MAXIMUM EFFICIENCY.
- TIP: ADJUSTMENT OF THE PUSH RODS IS MADE EASIER BY RUNNING ONE OF THE TWO NUTS SUPPLIED WITH EACH MASTER CYLINDER TO THE END OF THE THREAD TO ALLOW THE USE OF A SPANNER.



SCALE 1:1	SHEET 1 OF 1
DRAWN	FRAZER MACKAY
APPROVED	
DERIVED FROM	
TITLE	
HEAVY DUTY BALANCE BAR ASSY	
DRG NO.	CP5507-2cd