

A0 INSTALLATION DRAWING

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GENERAL DESCRIPTION

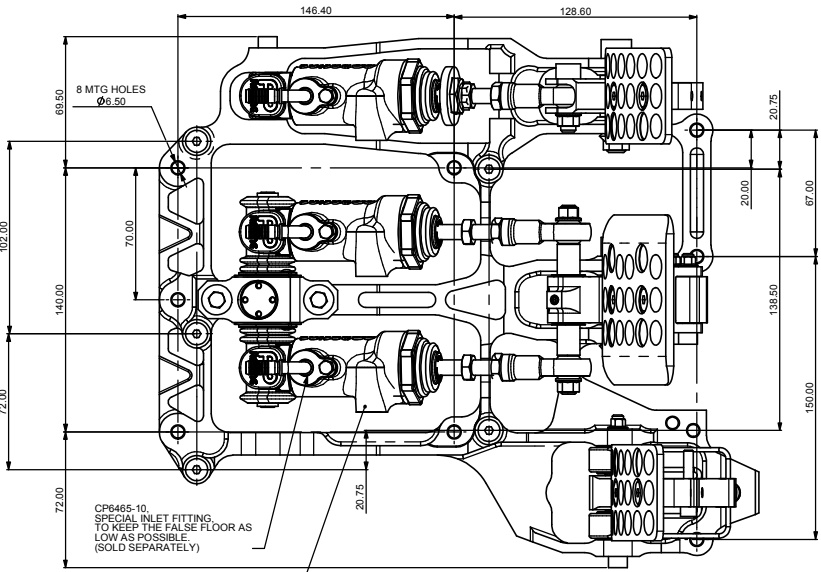
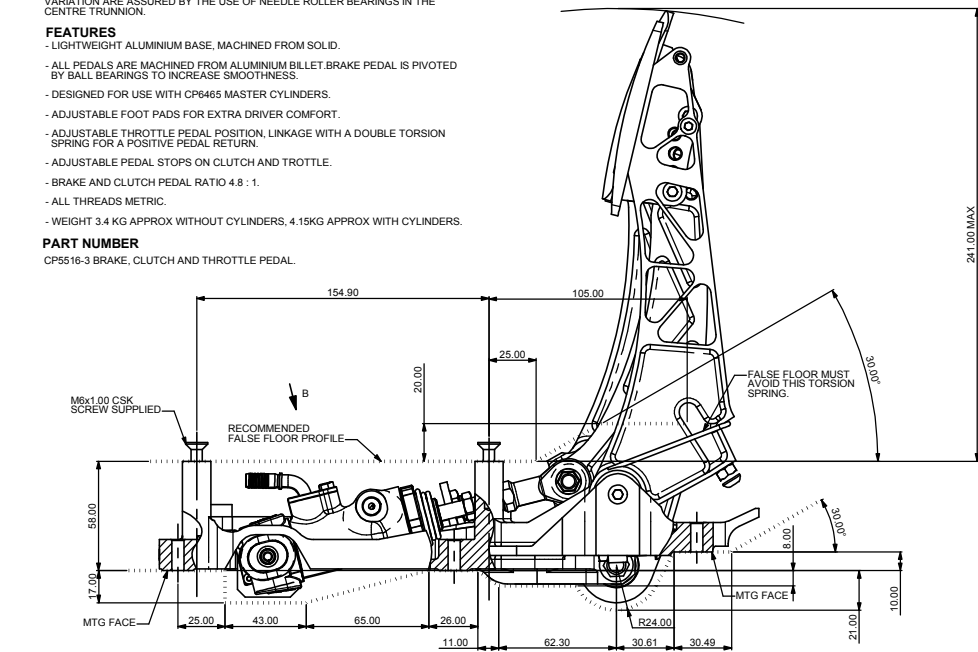
THIS UNIQUE PULL TYPE DESIGN ALLOWS THE PUSHROD TO REMAIN STRAIGHT, ELIMINATING ALL SIDE LOADS MAKING IT THE MOST EFFICIENT PEDAL BOX ON THE MARKET. THE CYLINDERS ARE MOUNTED UNDER THE DRIVERS FEET FOR OPTIMUM SPACE UTILISATION AND ACCESS. MINIMUM HYSTERESIS AND BALANCE VARIATION ARE ASSURED BY THE USE OF NEEDLE ROLLER BEARINGS IN THE CENTRE TRUNNION.

FEATURES

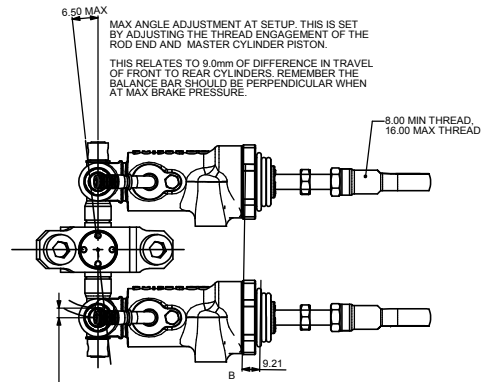
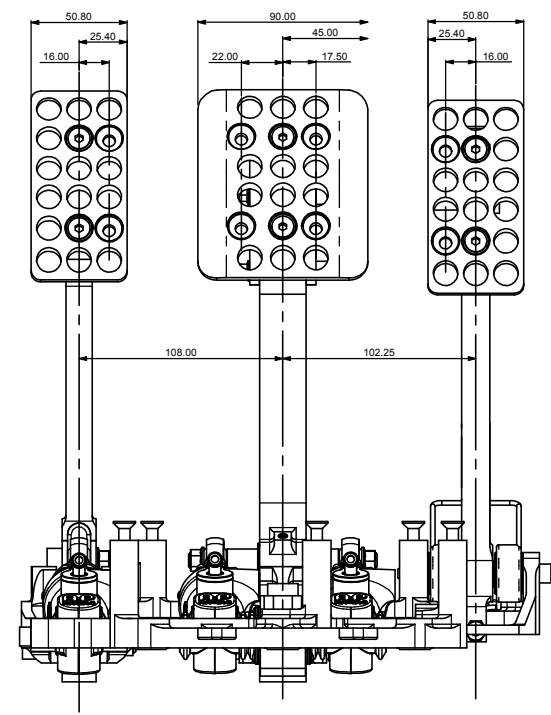
- LIGHTWEIGHT ALUMINIUM BASE, MACHINED FROM SOLID.
- ALL PEDALS ARE MACHINED FROM ALUMINIUM BILLET. BRAKE PEDAL IS PIVOTED BY BALL BEARINGS TO INCREASE SMOOTHNESS.
- DESIGNED FOR USE WITH CP6465 MASTER CYLINDERS.
- ADJUSTABLE FOOT PADS FOR EXTRA DRIVER COMFORT.
- ADJUSTABLE THROTTLE PEDAL POSITION. LINKAGE WITH A DOUBLE TORSION SPRING FOR A POSITIVE PEDAL RETURN.
- ADJUSTABLE PEDAL STOPS ON CLUTCH AND TROTTLE.
- BRAKE AND CLUTCH PEDAL RATIO 4.8 : 1.
- ALL THREADS METRIC.
- WEIGHT 3.4 KG APPROX WITHOUT CYLINDERS, 4.15KG APPROX WITH CYLINDERS.

PART NUMBER

CP5516-3 BRAKE, CLUTCH AND THROTTLE PEDAL.



PEDAL BOX IS DESIGNED TO SUIT CP6465 HIGH EFFICIENCY MASTER CYLINDERS. FEATURES:
 - BUILT-IN LOW FRICTION CLEVIS.
 - SPECIAL INLET TO ALLOW A LOW FITTING.
 - M10x1.0 OUTLET PORT. SET AT 90 DEG.
 - 25.4mm OF STROKE.
 - AVAILABLE IN VARIOUS SIZES.
 (SOLD SEPARATELY)
 ASK FOR DETAILS.



SETTING UP THE BALANCE BAR

ADJUST THE PUSHRODS SO THAT THE BALANCE BAR IS PERPENDICULAR TO THE PUSHRODS UNDER MAXIMUM LOAD. THE SYSTEM IS THEN SQUARE. IT IS NOT IMPORTANT THAT THE SYSTEM IS SQUARE WHEN RELEASED, BUT IT HAS TO BE UNDER LOAD.

FOR MAXIMUM EFFICIENCY, IT IS RECOMMENDED THAT THE PEDAL IS AT RIGHT ANGLE WITH THE PUSHRODS UNDER MAXIMUM BRAKING LOAD, AND ALSO KEEPING THE BALANCE BAR CENTRAL WITH BETTER SELECTION OF MASTER CYLINDER SIZES HELPS REDUCE INEFFICIENCIES.

ALSO MAKE SURE THAT THE MASTER-CYLINDER PISTONS FULLY RETURN BEFORE USE. THIS CAN BE CHECKED BY FEELING THE PUSHRODS FOR SLIGHT MOVEMENTS THERE SHOULD NOT BE ANY EXCESSIVE LOOSE MOVEMENT.

Rev	Date & No.	Alterations	
		Particulars	Drawn By
1	B3653 12/01/2004	FIRST ISSUE	# CDA
2	20/01/2004	DIM. 88.00 ADDED.	# CDA
3	16/03/2004	UPDATE OF VIEWS. FOOTPADS UPDATED.	# CDA
4	21/06/2004	SHEET 3. BOMS. CP5517-3/2 WAS CP5517-131.	# CDA
5	20/01/2005	BASE PLATE UPDATED. BOOTS NOT INCLUDED.	# CDA
6	31/05/2005	CLUTCH STOP UPDATED.	# CDA
7	16/10/2007	MAX HEIGHT DIM ADDED.	# CDA
8	10/10/2008	BALANCE BAR AND EXTRAS UPDATED.	# CDA
9	26/03/09 B5537	ITEM 22 SHEET 3 CP5200-108 WAS CP5516-142	# SAT

SCALE 1:1 SHEET 1 OF 3
 DRAWN CHRIS ARROWSMITH
 APPROVED
 DERIVED FROM
 TITLE FLOOR MTG REVERSE PULL TYPE PEDAL BOX INSTALLATION
 DRG NO. cp5516-3cd

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FIRST ANGLE PROJECTION

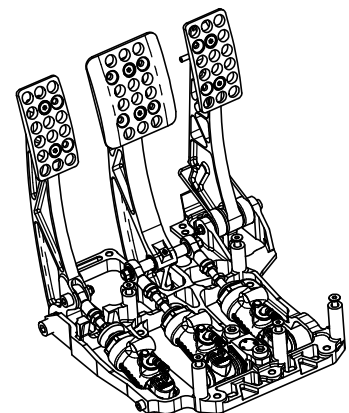
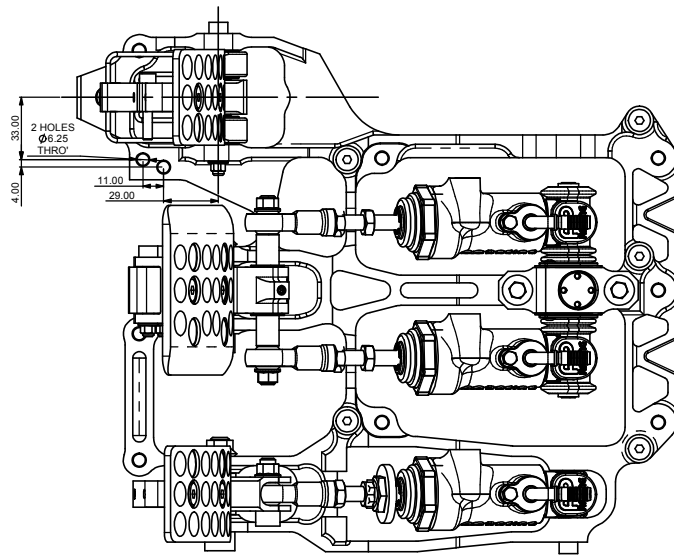
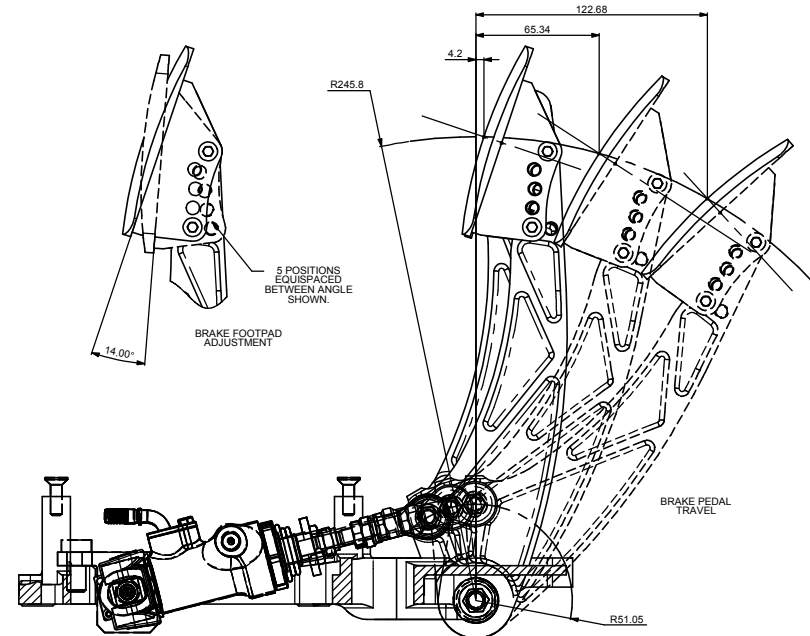
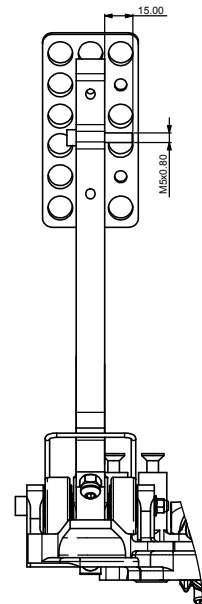
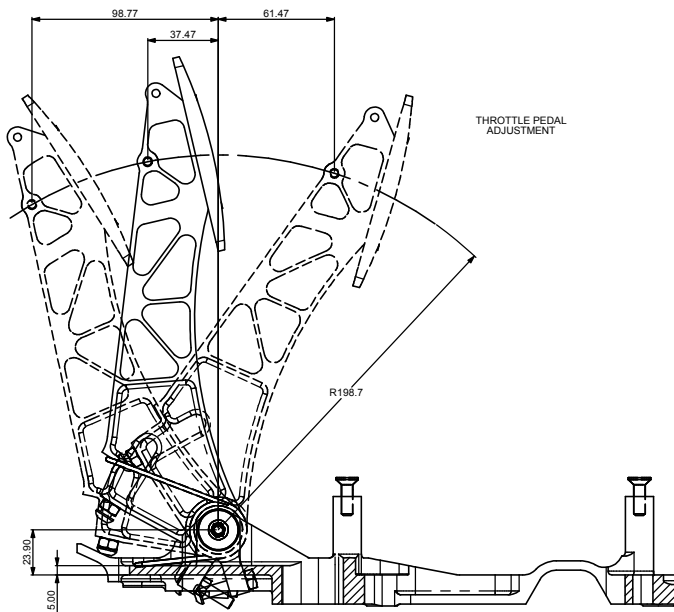
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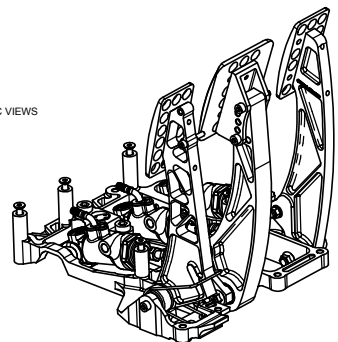
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ISOMETRIC VIEWS SCALE 1:2



Alterations		Date	Zone	Initials
#	Particulars			
1	SEE SHEET 1 FOR ISSUE CHANGES.			

SCALE 1:1	SHEET 2 OF 3
DRAWN	CHRIS ARROWSMITH
APPROVED	
DERIVED FROM	
TITLE FLOOR MTG REVERSE PULL TYPE PEDAL BOX INSTALLATION	
DRG NO.	cp5516-3cd

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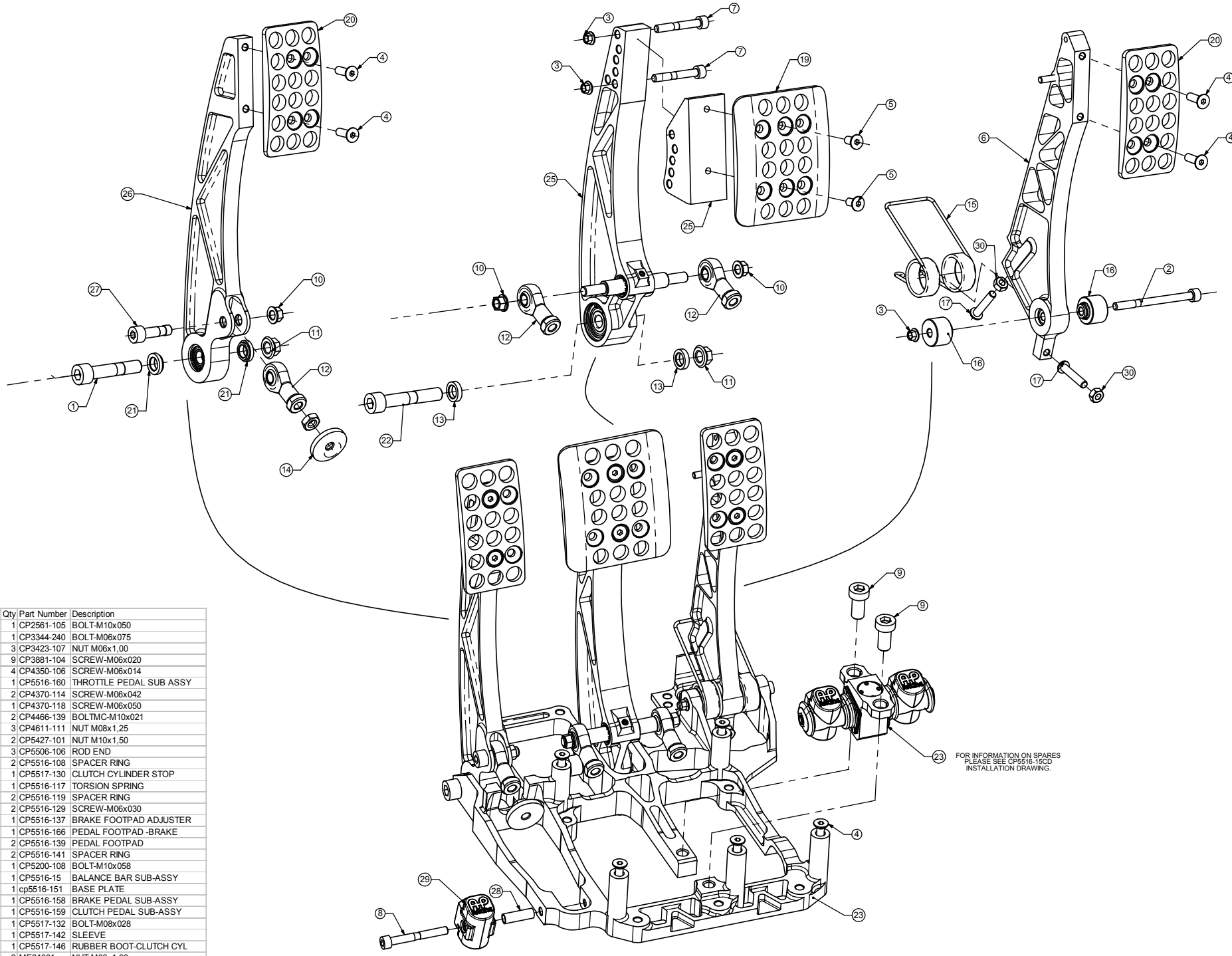
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Ref Qty	Part Number	Description
1	CP2561-105	BOLT-M10x0.50
2	CP3344-240	BOLT-M06x0.75
3	CP3423-107	NUT M06x1.00
4	CP3881-104	SCREW-M06x0.20
5	CP4350-106	SCREW-M06x0.14
6	CP5516-160	THROTTLE PEDAL SUB ASSY
7	CP4370-114	SCREW-M06x0.42
8	CP4370-118	SCREW-M06x0.50
9	CP4466-139	BOLTC-M10x0.21
10	CP4611-111	NUT M08x1.25
11	CP5427-101	NUT M10x1.50
12	CP5506-106	ROD END
13	CP5516-108	SPACER RING
14	CP5517-130	CLUTCH CYLINDER STOP
15	CP5516-117	TORSION SPRING
16	CP5516-119	SPACER RING
17	CP5516-129	SCREW-M06x0.30
18	CP5516-137	BRAKE FOOTPAD ADJUSTER
19	CP5516-166	PEDAL FOOTPAD -BRAKE
20	CP5516-139	PEDAL FOOTPAD
21	CP5516-141	SPACER RING
22	CP5200-108	BOLT-M10x0.58
23	CP5516-15	BALANCE BAR SUB-ASSY
24	cp5516-151	BASE PLATE
25	CP5516-158	BRAKE PEDAL SUB-ASSY
26	CP5516-159	CLUTCH PEDAL SUB-ASSY
27	CP5517-132	BOLT-M08x0.28
28	CP5517-142	SLEEVE
29	CP5517-146	RUBBER BOOT-CLUTCH CYL
30	ME21001	NUT M06x1.00

FOR INFORMATION ON SPARES PLEASE SEE CP5516-15CD INSTALLATION DRAWING.

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

SCALE 1:1	SHEET 3 OF 3
DRAWN CHRIS ARROWSMITH	
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DRG NO.	cp5516-3cd