

Manifest No.	Title	Material	Quantity
054	0-Ring, 33.010 X 1.78mm	AS 568-027, Viton or Silicon	1
345	1/4" Washer Fibre	Fibre	2
501	Gear Box Case, Back	Aluminum A356.0 - T6	1
502	Gear Box Case, Front	Aluminum A356.0 - T6	1
503	Taper Roller Bearing, 32008 X	Steel	3
504	Taper Roller Bearing, 30208	Steel	1
505	Bearing SKF 61810	Steel	2
506	Gear Box Seal, 50x65x8, HMSA7 R	Nitrile Rubber	2
509	Splined Shaft	SUP6 Spring Steel-quenched @ 870C,tempered @ 480C & quenched in Quindella 32	1
515	Output Gear, 47T	9310 Steel	1
517	Final Output Shaft	9310 Steel	1
519	1-1/2 -18 UNEF Nut	4340 Steel	1
520	Thrust Plate	Brass	1
521	Thrust Plate Large	Brass	1
522	SHES, M8 X 1.25 X 45	Steel Grade 12.9	1
523	SHCS, M8 x 1.25 x 25	Steel Grade 12.9	3
524	SHES, 5/16-18 UNE x 2.0	Steel Grade 12.9	4
525	Washer, M8 narrow	Steel	3
526	Oil Drain Plug	Brass, yellow brass	1
527	Dowel 6 x 10mm	Mild Steel	2
528	Dowel 10mm x 20	4130 Steel	2
529	Oil Filler Plug	Machined Stainless Steel	1
530	SHES 1/4-20 UNE x 0.375"	Steel Grade 8.8	2
531		Nitrile Rubber	1
532	Gear Box Seal, 50x70x8, HMS4 R SHES M4 x 0.7 x 8	Steel Grade 12.9	1
533	Nut, M8 x 1.25 Nyloc	Steel Grade 8.8	1
534	SHES, M10 x 1.5 x 50	Steel Grade 12.9	1
535	•	Mild Steel	4
	Washer, M10 SAE		
536	Nut, M10 x 1.5 Nyloc	Steel Grade 8.8	1
537	SHES, M8 x 1.25 x 50	Steel Grade 12.9, Copper Plated	1
538	SHES, M10 x 1.5 x 60	Steel Grade 12.9, Copper plated	1
539	Nut, M10 x 1.5	Steel Grade 10.9	2
540	Nut, M8 x 1.25	Steel Grade 10.9	2
541	SHES, M8 x 1.25 x 65mm	Steel Grade 12.9	1
546	0-Ring, Gear Box, 1.78mm x 163 ID	N70 Nitrile	1
547	0-Ring, 1.25mm x 76.0 ID	N70 Nitrile	1
549	BHSES 5/16-18 UNE x 1/2"	Steel Grade 12.9	1
550	Washer, 5/16 inch, SAE	Fibre	1
552	Thrust bolt	Steel, grade 8 bolt	1
559	Output flange boss	Steel	1
569	Input Gear, 22T for clutch	9310 Steel Case Hardened	1
572	Clutch drum	Steel, 4130	1
574	574, Clutch carrier	Steel, 9310	2
575	575, Clutch shaft	Steel, 4130	1
577	Garter spring- large assembled	Stainless steel	4
580	Tungstone insert	Tungstone HD-17BB	16
581	15mm ext circlip	Steel	1
582	Bearing 2RS	61804	3
765	765, Clutch shoe with fibre		8

	REVISION HISTORY							
REV.	DESCRIPTION	DATE	APPROVED					
04	REFER TO REVISION CONTROL SHEET	18 DEC 07	WLW					

Drawing Revision Control:					
Rev:	Date:	Mod by	Ckd:	Description:	
00	17 MAR 07	PJM	WLW	NEW DRAWING	
01	27 MAY 07	PJM	WLW	#570 CORRECTED TO #569	
02	09 JUL 07	DCB	WLW	PARTS #520 AND #521 ADDED TO ASSEMBLY. PARTS LIST MOVED TO DRAWING	
				SHEET 2. #540, M8, NUT WAS INCORRECTLY SHOWN AS #526, M8 NUT	
03	19 OCT 07	DCB	WLW	PART 522 WAS M8 X I,25 X 35. PART 578 GARTER SPRING DELETED (4 OFF)	
04	18 DEC 07	DCB	WLW	SPRING RETENTION GROOVE DELETED FROM PART 576, CLUTCH SHOE REF:	
				765, CLUTCH SHOE ASSEMBLY.	

			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	DDV	WINC NO 793	
PROPRETARY AND COMPENTIAL THE INFORMATION CONTINUED IN THE SPRIMING IS THE SOLE PROPERTY OF AEROTIMIN MOTORS COPPORATION ANY PERFOLUCTION IN PART OR AS A WHOLE WITHOUT THE EXPRESS PERMISSION OF AEROTIMIN MOTORS CORPORATION IS PROHIBITED.			TOLERANCING TO ANSI Y 14.5 1994 DIMENSIONS ARE IN mm GENERAL TOLERANCES 1 DEC. PLACES = 40.5 2 DEC. PLACES = 40.25 3 DEC. PLACES = 40.10 ANGULAR = 40.3*	DRAWN	DCB	3/27/2007	DRAWING NO. 783		
				CHECKED	WLW	3/27/2007	TITLE: 783, Gear box I to 2.136 ratio and clutch explod		
				ENG. APPR.					
				MFG. APPR.					ded
				Q.A.			1		
8				COMMENTS:		SIZE MATERIAL: REFER TO PART DRAWINGS A2 CONDITION: REFER TO PART DRAWINGS		REV.	
aerotwin	NEXT ASSY.	USED ON						04	
	1001	O A TION					CCALL	CHOWN WEIGHT CHOWN CHEET 2 OF	$\overline{}$

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