

GEARBOX

GEARBOX
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EPICYCLIC GEARBOX SECTION

(WILSON PATENTS)

(A.E.C. TYPE UNITS)

TYPES

D173A, D173B,
D173C

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B.R. Cat. No.	A.E.C. Basic Part No.	Plate Ref.	Designation	Used on	No. Req. per Gearbox	Remarks
9/15/94000	D173A	D1	GEARBOX COMPLETE LESS BRACKETS ...	DT01/B, 1/2, 1/5	1	
9/15/94002	D173B		GEARBOX COMPLETE LESS BRACKETS ...	DT01/3	1	
9/15/94004	D173C		GEARBOX COMPLETE LESS BRACKETS ...	"	1	
9/15/94014	D1/0137		GEARBOX CASING WITH STUDS ...	All Models	1	
	D10170	1	Casing	"	1	
9/15/94016	125-154	2	Stud, $\frac{3}{8}$ " B.S.F. \times $1\frac{3}{4}$ ", Special	"	22	} Bottom Cover
9/15/33166	125-155	3	Stud, $\frac{3}{8}$ " B.S.F. \times $1\frac{7}{8}$ ", Special	"	9	
9/15/94018	125-160	4	Stud, $\frac{3}{8}$ " B.S.F. \times $2\frac{1}{2}$ ", Special	"	2	} Top Cover Reverse Cover
9/15/94015	125-153	5	Stud, $\frac{3}{8}$ " B.S.F. \times $1\frac{5}{8}$ ", Special	"	8	
9/15/94015	125-153	6	Stud, $\frac{3}{8}$ " B.S.F. \times $1\frac{5}{8}$ ", Special	"	4	
9/15/94022	125-214	7	Stud, $\frac{1}{2}$ " B.S.F. \times $2\frac{1}{4}$ ", Special	"	8	
9/15/94020	125-185	9	Stud, $\frac{7}{16}$ " B.S.F. \times 2", Special	"	7	} Front Cover
9/15/94021	125-189		Stud, $\frac{7}{16}$ " B.S.F. \times $2\frac{1}{2}$ ", Special	"	2	
9/15/94024	124-1185	10	Stud, $\frac{7}{16}$ " B.S.F. \times $1\frac{5}{8}$ ", Special	"	2	} Bearing Housing
9/15/94023	125-220		Stud, $\frac{1}{2}$ " B.S.F. \times 3", Special	"	8	
9/15/94019	125-162		Stud, $\frac{3}{8}$ " B.S.F. \times $2\frac{3}{8}$ ", Special	"	5	
9/15/94017	125-159		Stud, $\frac{3}{8}$ " B.S.F. \times $2\frac{3}{8}$ ", Special	"	4	
9/15/94096	Z44061		Dowel	"	2	
9/15/90253	341-252		Plate, Unit No.	"	1	
9/15/94057	341-168		Drive Screw, Parker Kalon, No. $10 \times \frac{3}{8}$ "	"	2	
9/15/94392	D1/10221	11	Cover, Top	"	1	} 1st, 2nd, 3rd Speed
9/15/94410	D10341	12	Joint	"	1	
	85-34	13	Nut, Plain, $\frac{3}{8}$ " B.S.F.	"	8	} Top Cover
	135-4	14	Washer, Thackray, $\frac{3}{8}$ "	"	8	
9/15/94791	341-1646		Plate, Patent	"	1	
9/15/94795	106-5		Rivet, Snap Hd., $\frac{1}{8}$ " \times $\frac{1}{2}$ ", Aluminium	"	4	
9/15/94430	F6204		FILLER PLUG AND BREATHER COMPLETE	"	1	
9/15/90064	F51301	15	Plug, Filler	"	1	} Breather
9/15/90063	Z1/30636	16	Shield	"	1	
9/15/94431	F51203	17	Breather	"	1	
9/15/94061	255-4	18	Washer, Leather, $1\frac{5}{16}$ " \times $2\frac{7}{16}$ " \times $\frac{3}{32}$ ", Special	"	1	
9/15/94025	Z50614		Oil Shield	"	1	
9/15/94795	106-5		Rivet, Snap Hd., $\frac{1}{8}$ " \times $\frac{1}{2}$ ", Aluminium	"	4	} Reverse Speed
9/15/94393	D1/10222	19	Cover, Top	"	1	
9/15/94409	D10342	20	Joint	"	1	} Top Cover
	85-34	21	Nut, Plain, $\frac{3}{8}$ " B.S.F.	"	4	
	135-4	22	Washer, Thackray, $\frac{3}{8}$ "	"	4	
9/15/94435	D5005		OIL INDICATOR ROD COMPLETE	"	1	} Oil Indicator Rod
9/15/94437	D36308		Rod	"	1	
9/15/94436	D36501		Knob	"	1	
9/15/94385	D36401	28	Adaptor	"	1	
9/15/94426	D30625	29	Pin, Tail, Automatic Adjuster Nut	"	4	

NOTE:—D173B and D173C—1 off each, required for DT01/3, see also note on page D.8

B.R. Cat. No.	A.E.C. Basic Part No.	Plate Ref.	Designation	Used on	No. Req. per Gearbox	Remarks
9/15/94060	D4619	D2	GEARBOX—Continued	All Models		
			BOTTOM COVER COMPLETE WITH BRAKE BANDS AND OPERATING CYLINDERS		1	
9/15/94097	D4519		BOTTOM COVER AND COVER PLATE		1	
9/15/94100	D1/10227	1	Cover, Bottom		1	
9/15/94101	D1/10220	2	Plate, Cover		1	
9/15/94107	Z2/43705	3	Setscrew, Special, $\frac{7}{16}$ " B.S.F. x $1\frac{3}{4}$ "		9	
9/15/94894	219-24	4	Wire, Locking, Iron, 18 S.W.G.		As req.	
9/15/94103	Z1/44579	5	Plug, Drain		1	
9/15/94108	138-221	6	Washer, Copper, 26 m/m. x 36 m/m. x 14 I.W.G., Special		1	
9/15/94104	103-182		Plug, $\frac{9}{16}$ " B.S.F.		1	Oil Hole
9/15/94110	D42105	7	Cover, Reverse Hole		1	
9/15/94151	D10350	8	Joint...		1	
9/15/94087	41-65	9	Bolt, $\frac{3}{8}$ " B.S.F. x $1\frac{1}{2}$ "		4	} Reverse Hole Cover to Bottom Cover
	85-34	10	Nut, Plain, $\frac{3}{8}$ " B.S.F.		4	
	135-34	11	Washer, Grover, $\frac{3}{8}$ "		4	
9/15/94146	D30915	12	Hook, Front... ..		3	
9/15/94147	D30916	13	Hook, Rear		3	
9/15/94194	D32706	14	Rod, Fulcrum		1	
9/15/94129	Z8/44818	15	Distance Piece, Long		1	} External Band Linkage
9/15/94133	Z8/44819	16	Distance Piece, Short		1	
9/15/94143	Z3/30779	17	Eyebolt		5	
	90-36	18	Locknut, $\frac{9}{16}$ " B.S.F., R.H.		5	
	135-7	19	Washer, Thackray, $\frac{9}{16}$ "		5	
	100-15	20	Split Pin, $\frac{1}{8}$ " x $1\frac{1}{4}$ "		2	
9/15/94156	D30322	21	Link, Internal Band... ..		3	} Internal Band Linkage
9/15/94143	Z3/30779	22	Eyebolt		5	
9/15/94194	D32706	23	Rod, Fulcrum		1	
9/15/94127	Z8/44820	24	Distance Piece, Long		2	
9/15/94134	Z8/44821	25	Distance Piece, Short		2	
9/15/94126	Z8/44822		Distance Piece, Fulcrum Rod		1	
	90-36	18	Locknut, $\frac{9}{16}$ " B.S.F., R.H.		5	
	135-7	19	Washer, Thackray, $\frac{9}{16}$ "		5	
	100-15	26	Split Pin, $\frac{1}{8}$ " x $1\frac{1}{4}$ "		2	
9/15/94171	D30657	27	Pin, Link		3	} Link to Band
	100-10	28	Split Pin, $\frac{3}{32}$ " x $\frac{7}{8}$ "		6	

B.R. Cat. No.	A.E.C. Basic Part No.	Plate Ref.	Designation	Used on	No. Req. per Gearbox	Remarks
		D2	GEARBOX—Continued	All Models		
			BOTTOM COVER COMPLETE WITH BRAKE BANDS AND OPERATING CYLINDERS		1	
9/15/94066	D2540		BRAKE BAND, 1st AND 2nd SPEED COMPLETE		2	
9/15/94065	D2541		BRAKE BAND, 3rd SPEED COMPLETE		1	
9/15/94068	D2532		BRAKE BAND AND LINER		2	1st & 2nd Speed } External 3rd Speed }
9/15/94067	D2531		BRAKE BAND AND LINER		1	
9/15/94069	D29111	29	Band		3	
9/15/94070	D34808	30	Liner		3	
9/15/94072	D36606	31	Rivet, Special, $\frac{5}{32}'' \times \frac{7}{16}''$		6	
9/15/94073	D36603	32	Rivet, Special, $\frac{5}{32}'' \times \frac{5}{8}''$		39	
9/15/94074	D36612	33	Rivet, Special, $\frac{5}{32}'' \times \frac{7}{8}''$		6	
9/15/94075	D36607	34	Rivet, Special, $\frac{5}{32}'' \times 1\frac{1}{8}''$		6	
9/15/94856	D36605		Rivet, Special, $\frac{5}{32}'' \times \frac{3}{4}''$		18	
9/15/94076	D35202	35	Screw, Adjusting		3	
9/15/94078	90-33	36	Locknut, $\frac{3}{8}''$ B.S.F., R.H.		3	
9/15/94078	D2534		BRAKE BAND AND LINER		2	1st & 2nd Speed } Internal 3rd Speed }
9/15/94077	D2533		BRAKE BAND AND LINER		1	
9/15/94079	D29007	37	Band		3	
9/15/94070	D34808	38	Liner		3	
9/15/94080	D36601	39	Rivet, Special, $\frac{5}{32}'' \times \frac{5}{16}''$		72	
9/15/94199	D30707	40	Pull Rod		3	
9/15/94173	D30621	41	Pin, Pull Rod		3	
9/15/94088	D28617	42	Centraliser, L.H.		3	
9/15/94089	D28618	43	Centraliser, R.H.		3	
9/15/94208	Z2/45421	44	Spring		6	
9/15/94130	Z8/44823	45	Distance Piece, Long		2	
9/15/94131	Z8/44824	46	Distance Piece, Short		2	
9/15/94140	Z17/30783	47	Eye Bolt		6	
	85-33	48	Nut, Plain, $\frac{5}{16}''$ B.S.F.		6	} Eye Bolt Fixing
	135-3	49	Washer, Thackray, $\frac{5}{16}''$		6	
9/15/94193	D32308	50	Rod, Centraliser		2	
9/15/94115	100-7	51	Split Pin, $\frac{5}{64}'' \times \frac{3}{4}''$		4	
	D9805		CYLINDER BLOCK WITH LINERS AND STUDS		1	
9/15/94116	D9801		CYLINDER BLOCK AND LINERS		1	
	D42001	52-55	Cylinder Block		1	Not supplied as spares
9/15/94017	125-159	56	Stud, $\frac{3}{8}''$ B.S.F. $\times 2\frac{3}{8}''$, Special		8	} Bottom Cover
9/15/94016	125-154	57	Stud, $\frac{3}{8}''$ B.S.F. $\times 1\frac{3}{4}''$, Special		2	
9/15/94124	Z6/30594	58	Stud, Special, $\frac{5}{16}''$ B.S.F. $\times 1\frac{1}{2}''$, Special		7	Top Cover
9/15/94094	D42103	59	Bottom Cover		1	1st, 2nd, 3rd Speeds
9/15/94181	Z1/44585	60	Plug		3	
9/15/56313	138-131	61	Washer, Copper, $16.5 \times 22 \times 2$ m/m., Special		3	} Bottom Cover
9/15/94150	D10349	62	Joint		1	
9/15/94148	D10347	63	Gasket		1	
	85-34	64	Nut, Plain, $\frac{3}{8}''$ B.S.F.		10	} Block to Bottom Cover
	134-4	65	Washer, Thackray, $\frac{3}{8}''$		10	
9/15/94138	Z2/44015	66	Dowel, Special		4	Cylinder Block
			NOTE:—Brake Bands consist of the same component parts, but assembly is different			

B.R. Cat. No.	A.E.C. Basic Part No.	Plate Ref.	Designation	Used on	No. Req. per Gearbox	Remarks
		D2	GEARBOX—Continued	All Models		
			BOTTOM COVER WITH BRAKE BANDS AND OPERATING CYLINDERS—Continued			
9/15/94111	D42101	67	Cover, Top	"	1	
	86-33	68	Nut, Slotted $\frac{5}{8}$ " B.S.F.	"	7	
	135-3	69	Washer, Thackray, $\frac{5}{16}$ "	"	7	
	219-21	70	Wire, Locking, Iron, 16 S.W.G.	"	3' 6"	
9/15/94162	D40615	71	Piston, 1st Speed	"	1	
9/15/94163	D40616	72	Piston 2nd Speed	"	1	
9/15/94164	D40617	73	Piston, 3rd Speed	"	1	
9/15/94209	Z3/45428	74	Spring, 1st Speed	"	1	
9/15/94210	Z3/45429	75	Spring, 2nd Speed	"	1	
9/15/94211	Z3/45430	76	Spring, 3rd Speed	"	1	
9/15/94202	5093-2	77	Seal, Dowty PD2850-313	"	2	Piston 1st Speed
9/15/94203	5093-3	78	Seal, Dowty PD2850-304	"	2	Piston 2nd Speed
9/15/94204	5093-4	79	Seal, Dowty PD2850-310	"	2	Piston 3rd Speed
9/15/94198	D28715	80	Rod, Piston	"	3	
9/15/94166	D41901	81	Pin, Bearing	"	3	
	99-3	82	Circlip, Seeger, $\frac{5}{8}$ " G.P. Dia.	"	3	
9/15/94137	Z2/44014	83	Dowel	"	3	
9/15/94155	D36102	84	Lever, Operating	"	3	
9/15/94207	D32707	85	Shaft	"	1	
	100-15	86	Split Pin, $\frac{1}{8}$ " x $1\frac{1}{2}$ "	"	2	
9/15/94184	D18103	87	Race, Outer, Cam Roller, Special	"	3	
9/15/94183	D33609	88	Race, Inner, Cam Roller, Special	"	3	
9/15/94200	D18505	89	Needle Roller, Special	"	66	
9/15/94169	Z17/30784	90	Pin, Cam Roller	"	3	
	86-34	91	Nut, Slotted, $\frac{3}{8}$ " B.S.F.	"	3	
	100-4	92	Split Pin $\frac{1}{16}$ " x $1\frac{1}{2}$ "	"	3	
9/15/94161	D30513	93	Pad Thrust	"	3	
9/15/94222	D32203	94	Table, Adjuster	"	3	
9/15/94180	D30623	95	Pin, Table	"	3	
9/15/94157	D35602	96	Nut, Adjuster	"	3	
9/15/94187	D34507	97	Ring	"	3	
9/15/94168	D30622	98	Pin	"	3	
9/15/94212	D35710	99	Spring	"	3	
		D1				
	85-34	31	Nut, Plain, $\frac{3}{8}$ " B.S.F.	"	33	Bottom Cover
	135-4	32	Washer, Thackray, $\frac{3}{8}$ "	"	33	to Casing

B.R. Cat. No.	A.E.C. Basic Part No.	Plate Ref.	Designation	Used on	No. Req. per Gearbox	Remarks
		D3	GEARBOX—Continued	All Models		
9/15/94240	D4723		RUNNING GEAR AND FRONT COVER...	"	1	
9/15/94391	D7410	1	SHAFT AND PLUG	"	1	
	D11966		Shaft	"	1	
9/15/94392	I03-99		Plug, $\frac{7}{8}$ " Dia.	"	1	
9/15/94297	D36003	2	Circlip, Special	"	1	
		D4				
9/15/94283	Z1/10175	1	Bush, 3rd Speed Sun Wheel	"	1	
9/15/94260	D3217		BRAKE DRUM 2nd SPEED AND 3rd SPEED			
			PLANET CARRIER			
9/15/94261	D29433	2	Brake Drum 2nd Speed	"	1	
9/15/94263	D29318	3	Plate, Planet Carrier	"	1	
9/15/94262	Z8/44808	4	Distance Piece	"	1	
9/15/94265	D30422	5	Rivet, Special, 0-499" Dia., 2-067" Long ...	"	3	
9/15/94270	D28119	6	Wheel, Planet	"	3	Distance Piece
9/15/94264	D33607	7	Race, Inner, Special	"	3	
9/15/94267	D18504	8	Roller, Special	"	126	
9/15/94269	Z8/44809	9	Distance Washer	"	12	
9/15/94265	D30422	10	Rivet, Special, 0-499" Dia., 2-067" Long ...	"	6	Planet
9/15/94281	Z1/10176	11	Bush, 2nd Speed Drum	"	1	
9/15/94313	D3020	12	OUTER CLUTCH MEMBER WITH 3rd			
			SPEED BRAKE DRUM			
9/15/94284	Z1/10174	13	Bush, 3rd Speed Sun Wheel	"	1	
		D3				
9/15/94300	D7409		INNER CLUTCH MEMBER COMPLETE			
9/15/94303	D39612	3	Plate, Clutch, Rear	"	1	} Inner Clutch Member
9/15/94301	D29808	4	Driving Member	"	1	
9/15/94305	D30421	5	Rivet, Special, 0-187" Dia., $\frac{1}{32}$ " Long ...	"	6	
9/15/94307	D39614	6	Plate, Clutch, Inner	"	4	
9/15/94308	D39615	7	Plate, Clutch, Outer	"	5	} Clutch Return
9/15/94310	Z3/45427	8	Spring	"	6	
9/15/94026	D33412		Pin	"	6	
9/15/94320	D5406		SLIDING CLUTCH MEMBER WITH			
			BEARING			
9/15/94323	D38306	9	Member, Sliding	"	1	} Sliding Clutch Member
9/15/94324	D39611	10	Plate, Inner	"	1	
9/15/94326	D30420	11	Rivet, Special, 0-249" Dia., $\frac{5}{8}$ " Long ...	"	4	
9/43/35790	6-117	12	Bearing, Ball, Hoffmann No. N5900,			
			"OOO" Fit	"	1	
9/15/94364	DA0101		THRUST RING AND BEARING HOUS-			
			ING			
9/15/94367	D30207	13	Ring, Thrust	"	1	
9/15/94366	D30514	14	Pad, Pressure	"	2	
9/15/94369	I12-101	15	Rivet, Csk., $\frac{3}{16}$ " \times $\frac{1}{16}$ ", Mild Steel	"	4	
9/15/94382	Z8/44817	16	Washer, Driving Shaft	"	1	

B.R. Cat. No.	A.E.C. Basic Part No.	Plate Ref.	Designation	Used on	No. Req. per Gearbox	Remarks
		D3	GEARBOX—Continued	All Models		
			RUNNING GEAR AND FRONT COVER—			
			Continued			
9/15/94330	D9804		FRONT COVER WITH CYLINDER LINERS AND STUDS ...	"	1	
9/15/94331	D9803		FRONT COVER AND LINERS ...	"	1	
	D1/10223	17/18	Cover, Front ...	"	1	Not supplied as Spares
9/15/94335	103-204		Plug, $\frac{7}{16}$ " B.S.F. ...	"	2	
9/15/94336	125-124	19	Stud, $\frac{3}{8}$ " B.S.F. $\times 1\frac{1}{8}$ ", Special ...	"	8	Cylinder
9/15/94019	125-162	20	Stud, $\frac{3}{8}$ " B.S.F. $\times 2\frac{3}{8}$ ", Special ...	"	1	Oil Pump Cover
9/15/94015	125-153		Stud, $\frac{3}{8}$ " B.S.F. $\times 1\frac{1}{8}$ ", Special ...	"	4	
9/15/94355	Z1/47049	21	Pin, Locating ...	"	1	
	85-34	22	Nut, Plain, $\frac{3}{8}$ " B.S.F. ...	"	1	
	135-4	23	Washer, Thackray, $\frac{3}{8}$ " ...	"	1	
9/15/94328	D42106	24	Cover, Cylinder ...	"	2	
9/15/94347	D10351	25	Joint... ...	"	2	Cylinder Cover to Cylinder
	85-33	26	Nut, Plain, $\frac{3}{16}$ " B.S.F. ...	"	8	
	135-3	27	Washer, Thackray, $\frac{3}{16}$ " ...	"	8	
9/15/94360	D40619	28	Piston ...	"	2	
9/15/94203	5093-3	29	Seal, Dowty, PD2850-304 ...	"	2	
9/15/94370	D28716	30	Rod, Piston ...	"	2	
9/15/94356	D30662	31	Pin, Piston Rod ...	"	2	
	100-13	32	Split Pin, $\frac{1}{8}$ " $\times 1$ " ...	"	2	
9/15/94350	D30323	33	Lever, Clutch Operating ...	"	2	Clutch Operating Lever
9/15/94243	Z17/30789	34	Eyebolt, Lever ...	"	2	
	85-36	35	Nut, Plain, $\frac{1}{2}$ " B.S.F. ...	"	2	
	135-6	36	Washer, Thackray, $\frac{1}{2}$ " ...	"	2	
9/15/94357	D30661	37	Pin, Pivot ...	"	2	
	100-13	38	Split Pin, $\frac{1}{8}$ " $\times 1$ " ...	"	4	
9/15/94345	D14447	39	Housing, Bearing ...	"	1	
9/43/1140	6-116	40	Bearing, Ball, Hoffmann No. N5899, "OOO" Fit ...	"	1	
9/15/94275	D39914	41	Bush, Distance ...	"	1	
9/15/94349	156-172	42	Key, Oil Pump ...	"	1	Oil Pump
9/15/94342	D37711	43	Eccentric, Oil Pump ...	"	1	
9/15/94341	D33807	44	Cylinder ...	"	1	
9/15/94361	D33903	45	Plunger ...	"	1	
9/15/94393	D32418	46	Oil Thrower ...	"	1	
9/15/94340	D34018	47	Cover Oil Pump ...	"	1	
9/15/94030	D11135		Joint... ...	"	1	
9/15/94374	5091-98	48	Oil Seal, $\frac{3}{8}$" $\times 3-125$" $\times 2\frac{3}{8}$", Weston ...	"	1	Oil Pump Cover to Front Cover
	85-34	49	Nut, Plain, $\frac{3}{8}$ " B.S.F. ...	"	5	
	135-4	50	Washer, Thackray, $\frac{3}{8}$ " ...	"	5	
9/15/94031	5092-20		Oil Seal, Gaco, Special ...	"	1	
9/15/94344	K22992	51	Flange, Coupling ...	"	1	Coupling
9/15/43037	Z2/31953	52	Nut, Special, $1\frac{1}{8}$ " B.S.F., $1\frac{1}{16}$ " Wide ...	"	1	
	100-43	54	Split Pin, $\frac{3}{16}$ " $\times 2$ " ...	"	1	

B.R. Cat. No.	A.E.C. Basic Part No.	Plate Ref.	Designation	Used on	No. Req. per Gearbox	Remarks
		D4	GEARBOX—Continued	All Models		
			RUNNER GEAR AND FRONT COVER—			
			Continued			
9/15/94281	Z1/10176	14	Bush, 3rd Speed Annulus	"	1	
9/15/94245	D3220		BRAKE DRUM 1st SPEED WITH 2nd	"		
			SPEED PLANET	"	1	
9/15/94246	D29606	15	Annulus, 3rd Speed	"	1	
9/15/94032	D29438	16	Brake Drum, 1st Speed	"	1	
9/15/94248	Z8/44812	17	Distance Piece	"	6	
9/15/94033	D30427	18	Rivet, Distance Piece, Special	"	6	0.499" dia. x 1.764"
9/15/94257	D28120	19	Planet Wheel	"	3	
9/15/94249	D33608	20	Race, Inner, Special	"	3	
9/15/94253	D18502	21	Roller, Special	"	84	
9/15/94255	Z8/44810	22	Washer Distance	"	9	
9/15/94251	D30426	23	Rivet, Planet, Special	"	3	0.624" dia. x 1.764"
9/15/94034	Z2/10115	24	Bush, 1st Speed Brake Drum	"	1	
9/15/94377	D3214		DRIVEN SHAFT AND 1st SPEED PLANET	"	1	
9/15/94386	D7408	25/26	DRIVEN SHAFT AND PLANET CAR-	"		
			RIER...	"	1	
9/15/94379	D29509	27	Plate, Carrier	"	1	
9/15/94378	Z8/44811	28	Distance Piece	"	5	
9/15/94380	D30425	29	Rivet, Distance Piece, Special	"	5	0.034" dia. x 1.805"
9/43/30900	15-92	30	Bearing, Roller, Hoffmann, No. RXL3$\frac{1}{2}$L,	"		
			"OOO" Fit	"	1	
9/15/94257	D28120	31	Planet Wheel	"	5	
9/15/94249	D33608	32	Inner Race, Special	"	5	
9/15/94253	D18502	33	Roller, Special	"	140	
9/15/94255	Z8/44810	34	Distance Washer	"	15	
9/15/94251	D30424	35	Rivet, Planet, Special, 0.624" Dia. x 1.764" ...	"	5	
		D3				
9/15/94276	Z1/10185	55	Bush } Driving Shaft	"	1	Front
9/15/94277	Z1/10186	56	Bush }	"	1	Rear
		D4				
9/15/94423	Z8/44870	36	Distance Piece	"	1	Driven Shaft
	85-35		Nut, Plain, $\frac{7}{16}$ " B.S.F.	"	11	
	135-5		Washer, Thackray, $\frac{7}{16}$ "	"	11	

B.R. Cat. No.	A.E.C. Basic Part No.	Plate Ref.	Designation	Used on	No. Req. per Gearbox	Remarks
		D4	GEAR BOX—Continued	All Models		
9/15/94400	D14452	37	Housing, Rear Bearing	"	1	Support Bracket
9/15/94416	D24004		Liner, Front	"	1	
9/15/94417	D24005		Liner, Rear	"	1	} Housing
9/43/32715	15-96	38	Bearing, Roller, Hoffmann No. RL19E, "OOO" Fit	"	1	
9/15/94389	6-121		Bearing, Ball, Special	"	1	Driven Shaft Rear Driven Shaft Thrust
9/15/94444	Z2/46411	} 40	Shim, 0.010"	"	} As Req.	
9/15/94445	Z2/46412		Shim, 0.030"	"		
9/15/94037	Z2/46440		Shim, 0.004"	"		
9/15/94394	D25876	44	Cover	"	1	
9/15/94408	D11278	43	Joint	"	1	
9/15/94438	5091-105	45	Oil Seal, Gaco, M.I.S.40	"	1	
9/15/94016	125-154		Stud, $\frac{3}{8}$ " B.S.F. \times $1\frac{3}{4}$ ", Special	"	7	} Driven Shaft Rear Bearing Housing
	85-34	46	Nut, Plain, $\frac{3}{8}$ " B.S.F.	"	7	
	135-4	47	Washer, Thackray, $\frac{3}{8}$ "	"	7	
	85-36		Nut, Plain, $\frac{1}{2}$ " B.S.F.	"	8	} Bearing Housing to Casing
	135-6		Washer, Thackray, $\frac{1}{2}$ "	"	8	
	85-34		Nut, Plain, $\frac{3}{8}$ " B.S.F.	"	9	
	135-4		Washer, Thackray $\frac{3}{8}$ "	"	9	
9/15/94038	5092-21		Oil Seal, Gaco, Special	"	1	
9/15/94397	K22997	52	Flange, Coupling	"	1	
9/15/94420	Z2/31957	53	Nut, Special, $1\frac{1}{4}$ " B.S.F. $1\frac{1}{8}$ " wide	"	1	
	100-115	55	Split Pin, $\frac{3}{16}$ " \times $2\frac{1}{4}$ "	"	1	
9/15/94011	V11281		Pulley	D173C	1	
9/15/94012	Z3/43788		Screw, Special	"	4	
	135-33		Washer, Grover, $\frac{5}{16}$ "	"	4	
9/15/94010	Z51403		Keep-Plate, Bolt	"	4	
9/15/94039	K11742		Bolt, Special, $\frac{3}{8}$ " B.S.F. \times $1\frac{7}{8}$ " Drilled	"	8	} Propeller Coupling
9/15/94448	D42201		Valve, Restrictor	All Models	1	
9/15/94449	D42202		Valve, Restrictor	"	2	
9/15/94044	S2/13370		Adaptor	"	3	
9/15/94453	138-212		Washer Copper, $\frac{17}{32}$ " \times $\frac{11}{16}$ " \times 22 I.W.G., Special	"	3	
9/15/94043	S2/13365		Adaptor	"	1	} Top Speed
9/15/40306	138-133		Washer, Copper, 17 \times 23 \times 2 m/m., Special	"	1	
		D1				
9/15/94006	D20075	} 33	Bracket, Front	D173A	1	
9/15/94007	D20086		Bracket, Front	D173B/C	1	
	85-36	34	Nut, Plain, $\frac{1}{2}$ " B.S.F.	All Models	4	
	135-36	35	Washer, Grover, $\frac{1}{2}$ "	"	4	
<p>NOTE:—Gearboxes, i.e. D173B & C for DTO1/3 are fitted with the same front bracket</p>						

B.R. Cat. No.	A.E.C. Basic Part No.	Plate Ref.	Designation	Used on	No. Req. per Gearbox	Remarks
			GEARBOX—Continued			
			GEARBOX SUPPORT BRACKETS			
9/15/95220	D1544		SUPPORT BRACKET COMPLETE	DTOI/B, 1/2, 1/5, 1/30, 1/38, 1/49, 1/54	1	Gearbox—Front
9/15/95221	D1552		SUPPORT BRACKET COMPLETE	DTOI/7, 1/11, 1/11B	1	
	D20076		Bracket	D1544	1	Not supplied as Spares
	D20096		Bracket	D1552		
9/15/95222	43-93		Bolt, 1/2" B.S.F. x 1 1/2", Drilled, Special	DTOI/B, 1/2, 1/5, 1/7, 1/11, 1/11B, 1/30, 1/38, 1/49, 1/54	2	
9/15/95223	43-100		Bolt, 1/2" B.S.F. x 2 1/8", Drilled, Special	"	2	
	85-36		Nut, Plain, 1/2" B.S.F.	"	4	
	135-36		Washer, Grover, 1/2"	"	4	
9/15/94464	Z5/30694		Rubber, 2 1/2" O.D. x 1 1/8" I.D. x 1 1/2"	DTOI/B, 1/2, 1/5, 1/7, 1/11, 1/11B	2	Support Bracket
9/15/95224	D39503		Cover		2	
9/15/95225	Z5/30695		Washer, Special, 2 1/8" O/D. x 1 5/32" I/D. x 1 1/8"	"	2	
9/15/94422	Z8/44828		Distance Piece	"	1	
9/15/95226	Z17/30787		Bolt, Special, 3/4" B.S.F. x 5", Drilled	"	1	
	86-39		Nut, Slotted, 3/4" B.S.F.	"	1	
	134-9		Washer, Plain, 3/4"	"	1	
	100-19		Split Pin, 5/32" x 2"	"	1	
9/15/95227	D1545		SUPPORT BRACKET COMPLETE	"	1	Gearbox—Rear Inner
9/15/95228	D1546		SUPPORT BRACKET COMPLETE	"	1	Gearbox—Rear Outer
9/15/95229	D1547		SUPPORT BRACKET COMPLETE	"	1	Gearbox—Rear Outer
	D20077		Bracket	D1545	1	Inner
	D20078		Bracket	D1546	1	Bolt Hole, 2 1/2" Offset
	D20079		Bracket	D1547	1	Bolt Hole, 3" Offset
9/15/94464	Z5/30694		Rubber	DTOI/B, 1/2, 1/5, 1/7, 1/11, 1/11B	4	
9/15/95224	D39503		Cover	"	2	
9/15/95230	Z16/30709		Bolt, Special, 3/4" B.S.F. x 4 1/2", Drilled	"	2	Support Bracket
	86-39		Nut, Slotted, 3/4" B.S.F.	"	2	
	134-9		Washer, Plain, 3/4"	"	2	
	100-19		Split Pin, 5/32" x 2"	"	2	
	D20077		Bracket	DTOI/30, 1/38, 1/49, 1/54	1	Rear—Inner
	D20078		Bracket		1	
	D20079		Bracket	"	1	Bolt Hole, 2 1/2" Offset
9/15/94464	Z5/30694		Rubber	DTOI/3, 1/6	2	Bolt Hole, 3" Offset
9/15/95224	D39503		Cover	"	2	
9/15/95225	Z5/30695		Washer, Special, 2 7/8" O/D. x 1 5/32" I/D. x 1 1/8"	"	2	
9/15/94422	Z8/44828		Distance Piece	"	1	
9/15/95231	Z18/30710		Bolt, Special, 3/4" B.S.F. x 5 1/2", Drilled	"	1	Front Suspension
	86-39		Nut, Slotted, 3/4" B.S.F.	"	1	
	134-9		Washer, Plain, 3/4"	"	1	
	100-19		Split Pin, 5/32" x 2"	"	1	
9/15/95232	342-389		Washer, Taper, Special	"	1	
9/15/94464	Z5/30694		Rubber, 2 3/4" O/D. x 1 1/8" I/D. x 1 1/4"	"	4	Rear Suspension
9/15/95233	D39506		Cover, Top	"	2	
9/15/95224	D39503		Cover, Bottom	"	2	
9/15/95231	Z18/30710		Bolt, Special, 3/4" B.S.F. x 5 1/2", Drilled	"	2	
	86-39		Nut, Slotted, 3/4" B.S.F.	"	2	
	134-9		Washer, Plain, 3/4"	"	2	
	100-19		Split Pin, 5/32" x 2"	"	2	
9/15/95232	342-389		Washer, Taper, Special	"	2	







