

HOWARD ROTACADET

REGD. TRADE MARKS

SPARE PARTS LIST

It is important that when ordering spare parts, the user of a machine should always give the serial number of the particular machine for which the spare part is required, the part number (*not* the illustration number) and description. The serial number is stamped on the plate (Illus. No. 1) riveted to the right hand side of the hull (Illus. No. 72). We cannot guarantee to supply correct parts unless these numbers are quoted.

In the following parts list all directions are given left or right looking forward.



FROM THE WORLD'S LARGEST MANUFACTURER OF ROTARY TILLAGE EQUIPMENT

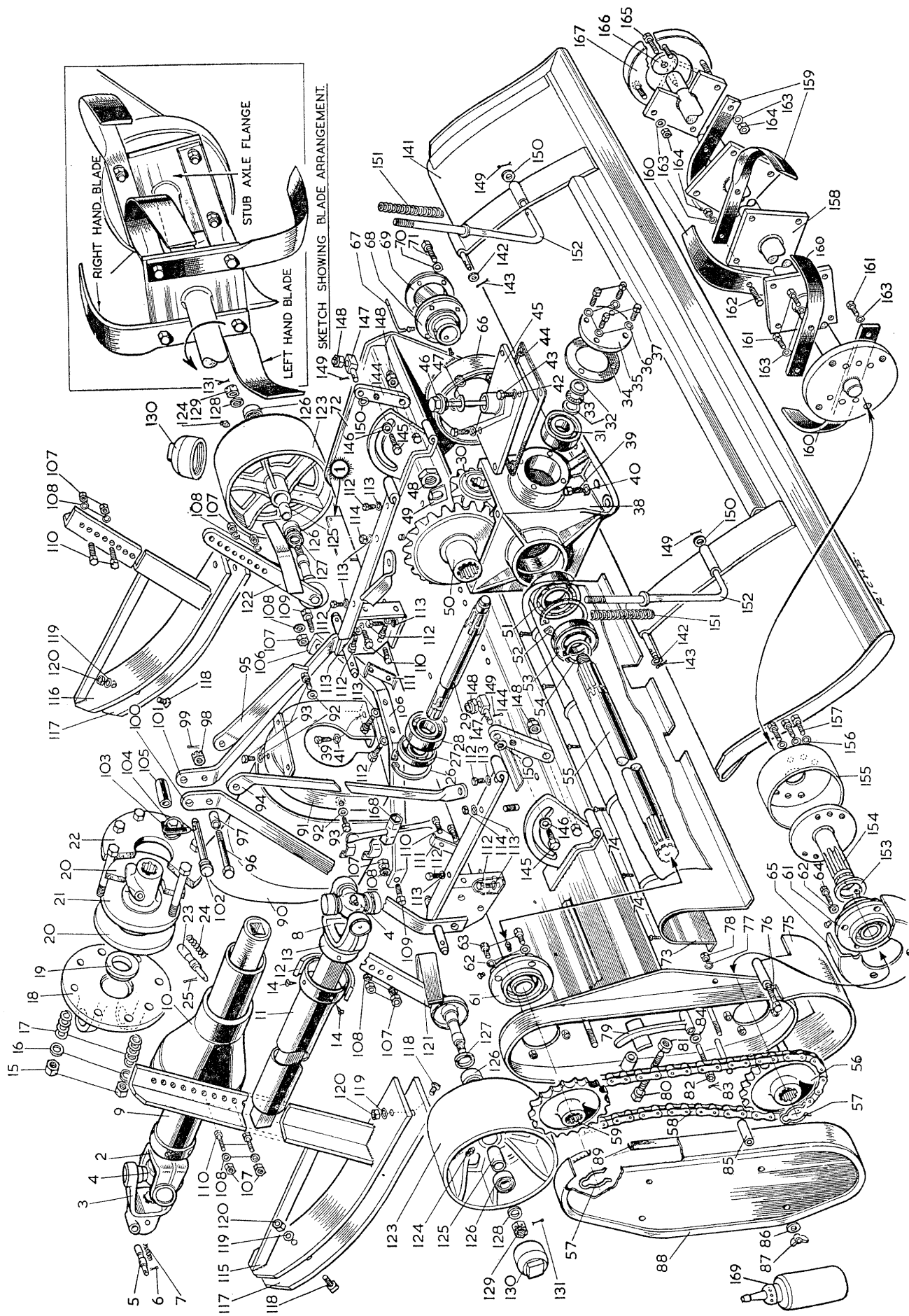
HOWARD ROTAVATOR CO. LTD., WEST HORNDON, ESSEX

Telephone: HORNDON GREEN 361

Telex: 1961

Cables: ROTAVATOR BRENTWOOD

AUSTRALIA E.AFRICA FRANCE GERMANY ITALY NEW ZEALAND SOUTH AFRICA U.S.A.



Rotacadet

Illus. No.	Part No.	Description	No. off	Illus. No.	Part No.	Description	No. off
1	60954	Machine Number Plate—riveted to right hand side of Hull ...	1	45	67158	Cover Plate ...	1
UNIVERSAL JOINT ASSEMBLY				46	65985	Dipstick ...	1
2 3 4 5 6 7 8 9 10 11 12 13 14	62792	Universal Joint Assembly complete comprising:—	1	47	24634	Washer ...	1
	4A.SA.67/2008	Half Shaft Assembly—Female—complete with Guard ...	1	48	2333	Special Nut ...	1
	4A.SA.70/1504	Half Shaft Assembly—Male—complete with Guard ...	1	49	2518	Tab Washer ...	1
	4A.SA.69/2008	Half Shaft Assembly—Female—less Guard comprising:—	1	50	65981	Crownwheel ...	1
	4A.SA.65/1524	Yoke and Tube Weld Assembly ...	1	51	BRL.050	Ballbearing 50 mm. i.d. x 90 mm. o.d. x 20 mm. w. ...	1
	3A.8D.	Yoke ...	1	52		Circlip 90 mm. dia. Internal ...	1
	3A.SA.17	Spider Kit ...	1	53		Oilseal 90 mm. o.d. x 50 mm. i.d. x 10 mm. w. Double lipped Pioneer 13P.354.196.39B. ...	1
	3A.27	Pin ...	1	54		Circlip 1½" dia. External ...	1
	21234/4	Cotter ...	1	55	65982	Jackshaft—Centrally Mounted ...	1
	3A.28	Spring ...	1	56	65991	Sprocket 20T. ...	1
	4A.SA.71/1504	Half Shaft Assembly—Male—less Guard comprising:—	1	57	65983	Sprocket Clip ...	2
	4A.SA.64/1504	Yoke and Shaft Weld Assembly ...	1	58	65993	Chain Assembly comprising:—	1
	3A.SA.17	Spider Kit ...	1		65994	Inner Link complete ...	23
	3A.SA.40/1512	Outer Guard complete comprising:—	1		65995	Outer Link complete ...	24
	3A.20G./1204	Outer Guard Tube ...	1		65996	Connecting Link complete ...	1
15 16 17 18 19 20 21 22 23 24 25	3A.26.G.	Cowl—Guard End ...	1	59	65992	Sprocket 18T. ...	1
	3A.22.C.	Nylon Bearing Ring ...	1	60		not allocated.	
	3A.11.B.	Self Tapping Screw ...	4	FRAME AND HULL ASSEMBLY			
	3A.SA.41/1120	Inner Guard complete comprising:—	1	61	251552192	Pollard Bearing—MFC.1½ Triple Sealed, Ref. 11/MFC.140F. ...	2
	3A.20.F./1120	Inner Guard Tube ...	1	62		Shakeproof Washer ¾" dia. Internal ...	8
	3A.26.J.	Special Plastic Collar ...	1	63		Bolt ¾" UNC. x 1½" long ...	4
	3A.22.C.	Nylon Bearing Ring ...	1	64		Bolt ¾" UNC. x 1¾" long ...	4
	3A.11.B.	Self Tapping Screw ...	4	65	67348	Dust Cover Outer ...	1
				66	66266	Dust Cover R.H. ...	1
				67		'UNBRAKO' Hexagon Wrench—W.5L. ...	1
				68		Pollard Bearing—SLFE.1½ Triple Sealed, Ref. 7/SLFE.140F. ...	1
				69	66020	Rotor Stub Axle End Cap ...	1
				70		Shakeproof Washer ½" dia. Internal ...	4
				71		Bolt ½" UNC. x 1" long ...	4
CLUTCH ASSEMBLY				72	66014	Hull—Centrally Mounted ...	1
15		Nut ½" UNF. ...	8	73	66018	Jackshaft Guard—Centrally Mounted ...	1
16		Flat Washer ½" dia. ...	8	74		Self Tapping Screw No. 14 x ¾" long, Round Head Parker Kalon Type 'Z' ...	6
17	G.602	Spring ...	8	75	66017	Wearing Skid ...	1
18	67466	Clutch Plate ...	1	76		Bolt ¾" UNC. x 2" long ...	2
19	67468	Bush ...	1	77		Spring Washer ¾" dia. ...	2
20	67469	Friction Disc ...	2	78		Nut ¾" UNC. ...	2
21	67465	Clutch Disc ...	1	79	66021	Chain Skid ...	1
22	67471	Pressure Plate ...	1	80		Setscrew ¾" UNC. x 4½" long—Adjusting Screw ...	1
23	67467	Locking Pin ...	1	81		Locknut ¾" UNC. ...	1
24	67473	Spring ...	1	82		Slotted Nut ½" UNC. ...	1
25		Splitpin ¾" dia. x 7/8" long ...	1	83		Splitpin 1/16" dia. x 5/8" long ...	1
GEARBOX ASSEMBLY				84		Flat Washer 5/16" dia. ...	2
26		Circlip 72 mm. dia. Internal ...	1	85	66016	Spacer ...	4
27		Oilseal 72 mm. o.d. x 35 mm. i.d. x 10 mm. w. Double lipped Pioneer 13P.283.137.39B. ...	1	86		Flat Washer ¾" dia. ...	4
28	BRL.035	Ballbearing 35 mm. i.d. x 72 mm. o.d. x 17 mm. w. ...	1	87		Wing Nut ¾" UNC. ...	4
29	65979	Shaft ...	1	88	66015	Cover Plate ...	1
30	65978	Pinion ...	1	89		Rubber Seal—Connolly Section BRS.3. 55½" long ...	1
31	RRM.030	Roller Bearing 30 mm. i.d. x 72 mm. o.d. x 19 mm. w. Double lipped ...	1	90	67478	Clutch Cover ...	1
32		Thrust Race—Torrington Type TRD.1625 ...	2	91	67474	Guard Backplate ...	1
33		Thrust Bearing—Torrington Type NTA.1625 ...	1	92		Spring Washer ¾" dia. ...	3
34	65986	End Cover Gasket ...	min. 2	93		Setscrew, Clutch Cover to Backplate—¾" UNF. x ¾" long, Hex. Head ...	3
35	65980	End Cover ...	1	94	66003	Strut L.H. ...	1
36		Spring Washer ¾" dia. ...	4	95	66002	Strut R.H. ...	1
37		Setscrew ¾" UNC. x 1" long, Hex. Head ...	4	96	66011	Special Bolt ...	1
38	65977	Gearbox ...	1	97	66004	Spacer ...	1
39		Bolt ½" UNC. x 1½" long, Gearbox to Hull ...	8	98		Slotted Nut ¾" UNC. ...	1
40		Spring Washer ½" dia. ...	4	99		Splitpin 1/8" dia. x 1¼" long ...	1
41		Shakeproof Washer ½" dia. Internal ...	4	100	66001	Frame Plate L.H. ...	1
42		Spring Washer ¾" dia. ...	4	101	66000	Frame Plate R.H. ...	1
43		Setscrew ¾" UNC. x 1" long, Hex. Head ...	4				
44	65987	Cover Plate Gasket ...	1				

WATCH FOR SIGNS OF UNDUE CLUTCH SLIP. ADJUST AS NECESSARY.

DAILY
LUBRICATE UNIVERSAL
JOINT NIPPLES.

WEEKLY

**CHECK GEARBOX OIL LEVEL
AND TOP UP AS NECESSARY.**

WEEKLY
LUBRICATE WITH OIL CAN.

WEEKLY
SEPARATE AND C

DAILY

WHEELS ARE
FITTED, GREASE BEARINGS.

WEEKLY

CHECK GRUB SCREW
FOR TIGHTNESS.

WEEKLY
CHECK GRUB SCREW
FOR TIGHTNESS.

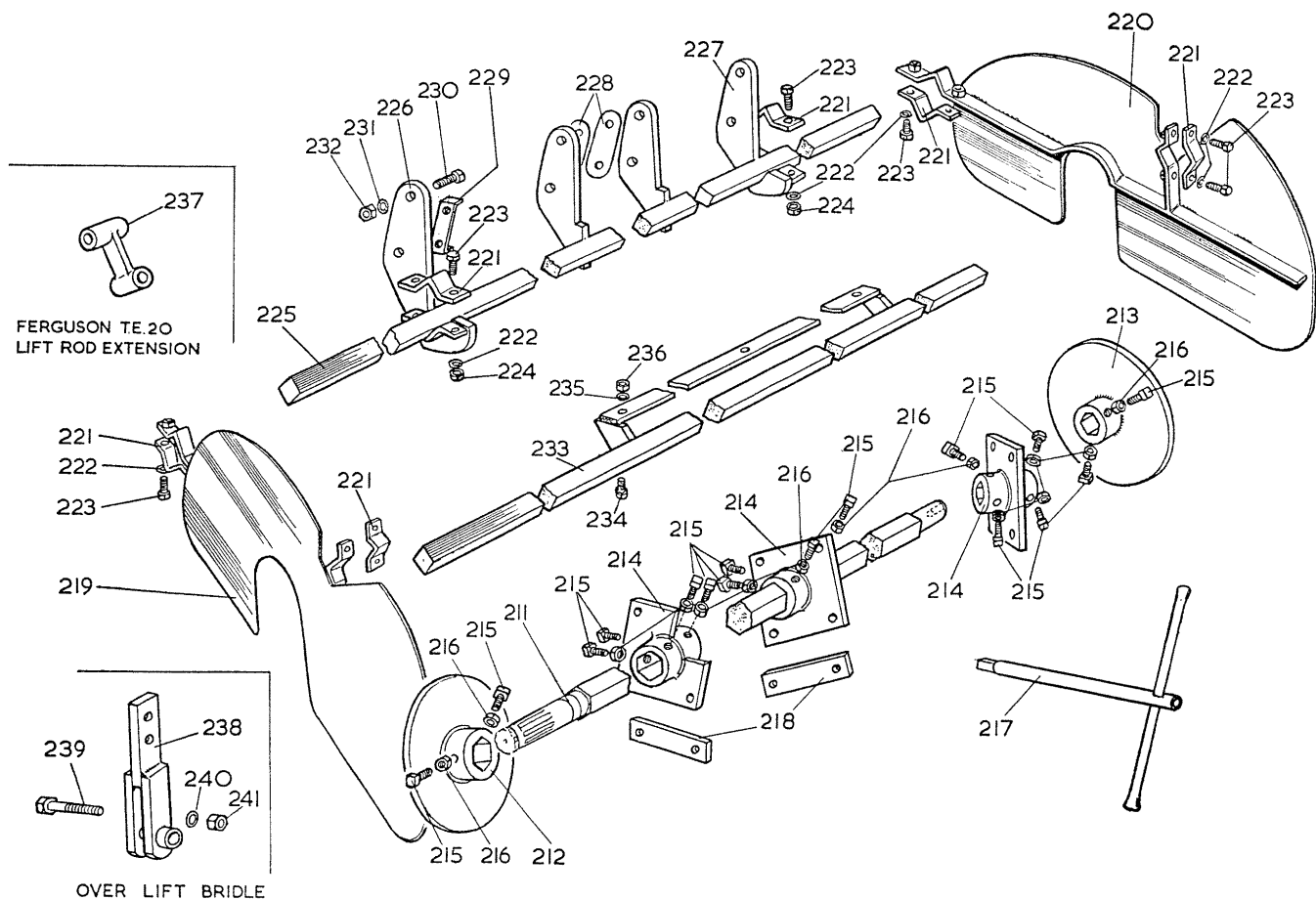
WEEKLY
**TIGHTEN ALL NUTS
AND BOLTS.**

	RECOMMENDED LUBRICANTS
CHAMCASE, AND GREASE NIPPLES.....	LITHIUM BASE GREASE ONLY
GEARBOX, AND OILING POINTS.....	GEAR OIL S.A.E. 140
UNIVERSAL JOINT SLIDING SECTIONS	
.....	MOLYBDENUM DISULPHIDE GREASE OR GRAPHITE GREASE

DAILY CHECK BLADE BOLTS FOR TIGHTNESS
AND STRAIGHTEN BENT BLADES.

WEEKLY
CHECK GRUB SCREW
FOR TIGHTNESS.

WEEKLY
CHECK CHAIN
TENSION.



Illus. No.	Part No.	Description	No. off
162	55271	Blade Bolt	36
163		Shakeproof Washer $\frac{7}{8}$ " dia. Internal	40
164		Nut $\frac{7}{8}$ " UNF.	40
165	66407	Setscrew $\frac{1}{2}$ " UNC. x 1" long, Hex. Head, L.H. Thread	1
166	66406	Washer	1
167	67573	Stub Axle Dust Cover	1

TOOLS

168	66154	Special Box Spanner	1
169		Loctite Sealant 10 cc. Grade 'AA'	1
170-180		not allocated.	

OFF-SET MODEL—Special Parts

181	67402	Jackshaft	1
182	67403	Jackshaft Guard	1
183		Self Tapping Screw No. 14 x $\frac{3}{8}$ " long, Round Head Parker Kalon Type 'Z'	3
184	67544	Hull	1
185	67112	Support Plate	1
186		Bolt, Support Plate to Frame— $\frac{5}{8}$ " UNC. x $1\frac{1}{2}$ " long	2
187		Spring Washer $\frac{3}{8}$ " dia.	2
188		Nut $\frac{1}{2}$ " UNC.	2
189		Setscrew $\frac{1}{2}$ " UNC. x $1\frac{1}{4}$ " long, Hex. Head	2
190		Spring Washer $\frac{1}{2}$ " dia.	2
191	67548	Trailing Board	1
192	67109	L.H. Skid	1
193	67104	R.H. Skid	1
194	67111	Adjusting Bar	2
195		Bolt, Adjusting Bar to Skid— $\frac{1}{2}$ " UNC. x $1\frac{1}{2}$ " long	4
196		Spring Washer $\frac{1}{2}$ " dia.	4
197		Nut $\frac{1}{2}$ " UNC.	4

Illus. No.	Part No.	Description	No. off
198		Spring Washer $\frac{3}{8}$ " dia.	4
199		Nut $\frac{3}{8}$ " UNC.	4
200	67576	Hull	1
201	67581	Gasket	1
202	67580	Chaincase Cover	1
203		Setscrew $\frac{1}{4}$ " UNC. x $\frac{5}{8}$ " long	26
204		Spring Washer $\frac{1}{4}$ " dia.	26
205-210		not allocated.	

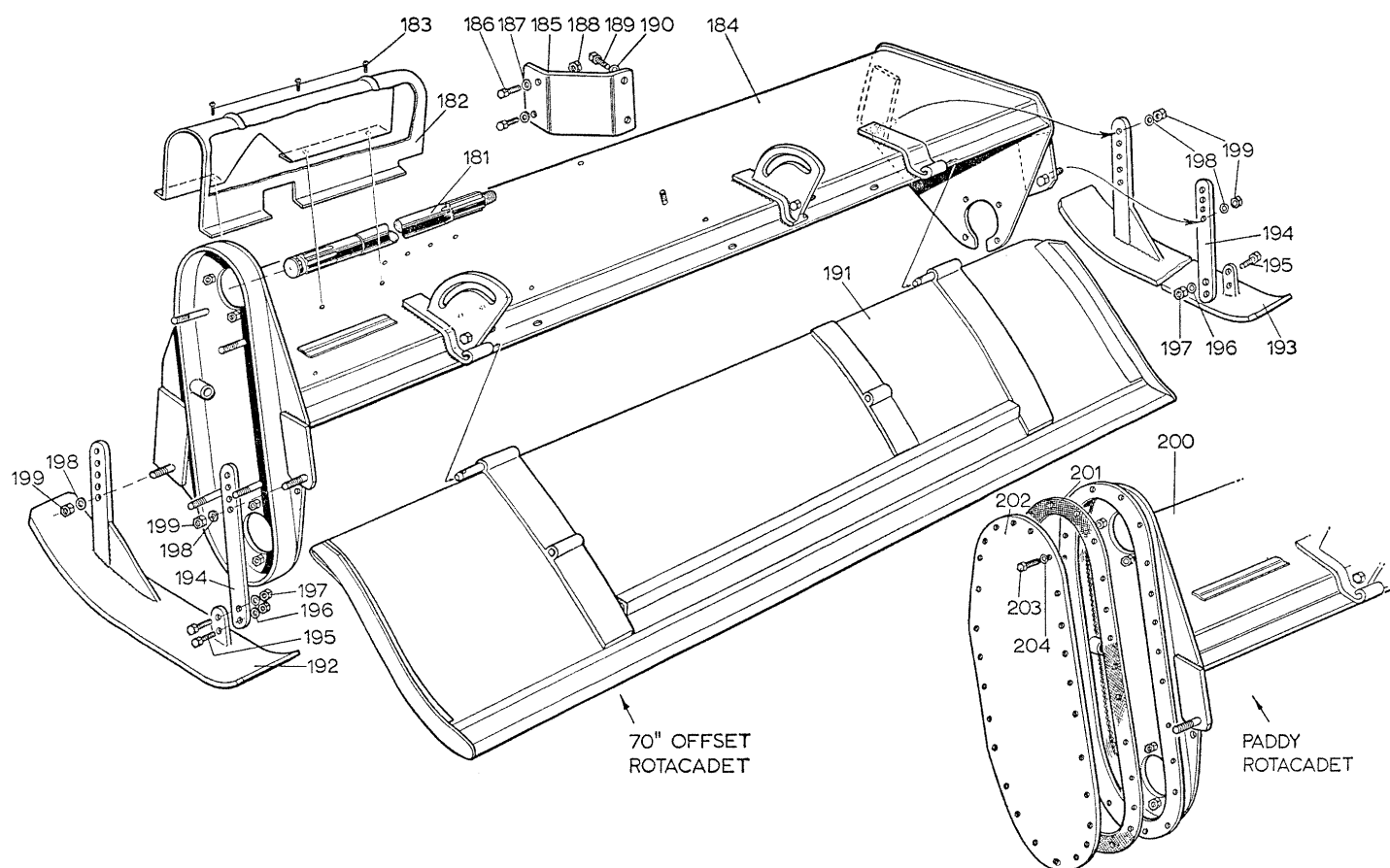
SLIP FLANGE ROTOR—

Optional Fitment

211	66181	Rotor Shaft	1
212	67356	End Disc L.H.	1
213	66300	End Disc R.H.	1
214	66182	Slip Flange	12
215	67664	Screw $\frac{7}{8}$ " UNC. x $1\frac{1}{4}$ " long, Square Head—Knurled Cup Point	52
216		Locknut $\frac{7}{8}$ " UNC.	52
217	66355	Box spanner—Special	1
218	66061	Spacer (8 supplied loose)	4
159	9941	Swept Back Blade L.H.	22
160	9942	Swept Back Blade R.H.	22
162	55271	Blade Bolt	48
163		Shakeproof Washer $\frac{7}{8}$ " dia. Internal	48
164		Nut $\frac{7}{8}$ " UNF.	48
165	66407	Setscrew $\frac{1}{2}$ " UNC. x 1" long, Hex. Head—L.H. Thread	1
166	66406	Washer	1

CROP GUARDS—Optional Extra

219	66232	L.H. Shield Assembly comprising:—	As req'd.
221	66906	L.H. Shield	1
222	66235	Clamp	2
223		Spring Washer $\frac{3}{8}$ " dia.	4
		Setscrew $\frac{3}{8}$ " UNC. x $1\frac{1}{2}$ " long, Hex. Head	4



Illus. No.	Part No.	Description	No. off
102	65566	Drawpin	1
103	50934	Clip Pin	1
104	60495	Clip Ring	1
105	54435	Spacer—for category 2 tractors	1
106	67354	Stay	1
107		Nut $\frac{5}{8}$ " UNC.	6
108		Shakeproof Washer $\frac{5}{8}$ " dia. Internal	6
109		Bolt, Stay to Frame Arms— $\frac{5}{8}$ " UNC. x 2" long	2
110		Setscrew, Wheel Arm to Frame— $\frac{5}{8}$ " UNC. x $1\frac{3}{4}$ " long, Hex. Head	4
111	66022	Tab Washer	2
112		Setscrew, Stay to Hull— $\frac{1}{2}$ " UNC. x $1\frac{1}{4}$ " long	12
113		Spring Washer $\frac{1}{2}$ " dia.	14
114		Nut $\frac{1}{2}$ " UNC.	2

DEPTH CONTROL SKIDS— Standard Fitment for Centrally Mounted Model

115	67540	L.H. Skid Assembly comprising:—	1
117	67408	L.H. Skid	1
118	67539	Sole Plate	1
119	G.922	Special Bolt	2
120		Spring Washer $\frac{7}{16}$ " dia.	2
		Nut $\frac{7}{16}$ " BSF.	2
	67541	R.H. Skid Assembly comprising:—	1
116	67404	R.H. Skid	1
117	67539	Sole Plate	1
118	G.922	Special Bolt	2
119		Spring Washer $\frac{7}{16}$ " dia.	2
120		Nut $\frac{7}{16}$ " BSF.	2

DEPTH CONTROL WHEEL ASSEMBLY— Optional Extra

121	67359	Wheel Arm L.H.	1
122	67360	Wheel Arm R.H.	1

Illus. No.	Part No.	Description	No. off
	67367	Depth Wheel Assembly comprising:—	2
123	67368	Depth Wheel	2
124		Grease Nipple $\frac{1}{8}$ " BSP. Straight	2
125	67364	Spacer	2
126	BRL.I	Ballbearing 1" i.d. x $2\frac{1}{4}$ " o.d. x $\frac{5}{8}$ " w.	4
127		Oilseal $1\frac{1}{4}$ " i.d. x $2\frac{1}{4}$ " o.d. x $\frac{5}{16}$ " w. I.P.225.125.31.	2
128	65656	Washer	2
129		Slotted Nut $\frac{3}{4}$ " UNF.	2
130	22899	Cap	2
131		Splitpin $\frac{7}{16}$ " dia. x $1\frac{1}{8}$ " long	2
132-140		not allocated.	

TRAILING BOARD ASSEMBLY

141	67088	Trailing Board—Centrally Mounted	1
142		Flat Washer $\frac{1}{2}$ " dia.	2
143		Splitpin $\frac{1}{8}$ " dia. x $\frac{3}{4}$ " long—Hinge Pins	2
144	67159	Trunnion Bar	2
145		Setscrew $\frac{5}{8}$ " UNF. x 1" long	2
146		Flat Washer $\frac{5}{8}$ " dia.	2
147	67100	Trunnion	2
148		Philidas Nut $\frac{1}{2}$ " UNF. Type NUF.I	4
149		Splitpin $\frac{3}{32}$ " dia. x $\frac{3}{4}$ " long	4
150		Flat Washer $\frac{1}{2}$ " dia.	4
151	67101	Spring	2
152	67102	Spring Bar	2

ROTOR ASSEMBLY—Standard Fitment

153	67690	Spacer 70" OFFSET	1
154	67322	Rotor Drive Shaft	1
155	67347	Dust Cover—Inner	1
156		Shakeproof Washer $\frac{3}{8}$ " dia. Internal	6
157	67776	Special Bolt 2 1/8 UNC $\frac{3}{4}$ " x $1\frac{1}{4}$ "	6
158	67344	Rotor	1
159	9941	Swept Back Blade L.H.	20
160	9942	Swept Back Blade R.H.	20
161		Bolt $\frac{7}{16}$ " UNF. x $\frac{3}{4}$ " long	4
		Spring Washer $\frac{7}{16}$ " dia.	4

Illus. No.	Part No.	Description	No. off
228	66243	Shim	As req'd.
229	66022	Tab Washer	2
230		Setscrew $\frac{3}{8}$ " UNC. x 2" long, Hex. Head ..	4
231		Spring Washer $\frac{3}{8}$ " dia.	4
232		Nut $\frac{3}{8}$ " UNC.	4
233	66908	Support Bar	1
234		Setscrew $\frac{1}{2}$ " UNC. x $1\frac{1}{4}$ " long	3
235		Spring Washer $\frac{1}{2}$ " dia.	3
236		Nut $\frac{1}{2}$ " UNC.	3
237	66248	Lift Rod Adaptor—for Ferguson TE.20 Tractor only	2
238	66285	Overlift Bridle	2
239		Bolt $\frac{5}{8}$ " UNC. x $2\frac{1}{2}$ " long } For Allis-Chalmers ED.40 Tractor only	2
240		Spring Washer $\frac{5}{8}$ " dia. }	2
241		Nut $\frac{5}{8}$ " UNC.	2

Part No.	Illus. No.	Part No.	Illus. No.	Part No.	Illus. No.	Part No.	Illus. No.	Part No.	Illus. No.	Part No.	Illus. No.
G.602	17	65985	46	66022	229	67100	147	67404	116	3A.11.B.	14
G.922	118	65986	34	66061	218	67101	151	67408	115	3A.SA.17	4
2333	48	65987	44	66154	168	67102	152	67465	21	3A.22.C.	13
2518	49	65991	56	66181	211	67104	193	67466	18	3A.26.G.	10
9941	159	65992	59	66182	214	67109	192	67467	23	3A.26.J.	12
9942	160	65993	58	66231	220	67111	194	67468	19	3A.27	5
22899	130	65994	58	66232	219	67112	185	67469	20	3A.28	7
24634	47	65995	58	66235	221	67158	45	67471	22	3A.20.F/1120	11
50934	103	65996	58	66240	225	67159	144	67473	24	3A.SA.41/1120	11
54435	105	66000	101	66242	226	67322	154	67474	91	3A.SA.40/1512	9
55271	162	66001	100	66243	228	67344	158	67478	90	3A.20.G/1204	9
60495	104	66002	95	66248	237	67347	155	67539	117	4A.SA.64/1504	8
60954	1	66003	94	66266	66	67348	65	67540	115	4A.SA.70/1504	2
62792	2	66004	97	66285	238	67353	153	67541	116	4A.SA.71/1504	8
65566	102	66011	96	66300	213	67354	106	67544	184	4A.SA.65/1524	2
65656	128	66014	72	66355	217	67356	212	67548	191	4A.SA.67/2008	2
65977	38	66015	88	66360	227	67359	121	67573	167	4A.SA.69/2008	2
65978	30	66016	85	66406	166	67360	122	67576	200	21234/4	6
65979	29	66017	75	66407	165	67364	125	67580	202		
65980	35	66018	73	66906	219	67367	123	67581	201	BEARINGS	
65981	50	66020	69	66907	220	67368	123	67664	215	BRL.1	126
65982	55	66021	79	66908	233	67402	181	67690	153	RRM.030	31
65983	57	66022	111	67088	141	67403	182	67776	157	BRL.035	28
								3A.8.D.	3	BRL.050	51