



ROTAVATOR S series

**Reservedelsliste
Spare parts list
Ersatzteilliste
Onderdelenlijst
Liste de pièce de rechange
Lista de Piezas
Parti di ricambio**

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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. We cannot guarantee to supply correct parts unless these numbers are quoted.

NOTES FOR DEALER

The Bulletin columns provide space to record the reference number of any Bulletin issued concerning that part.

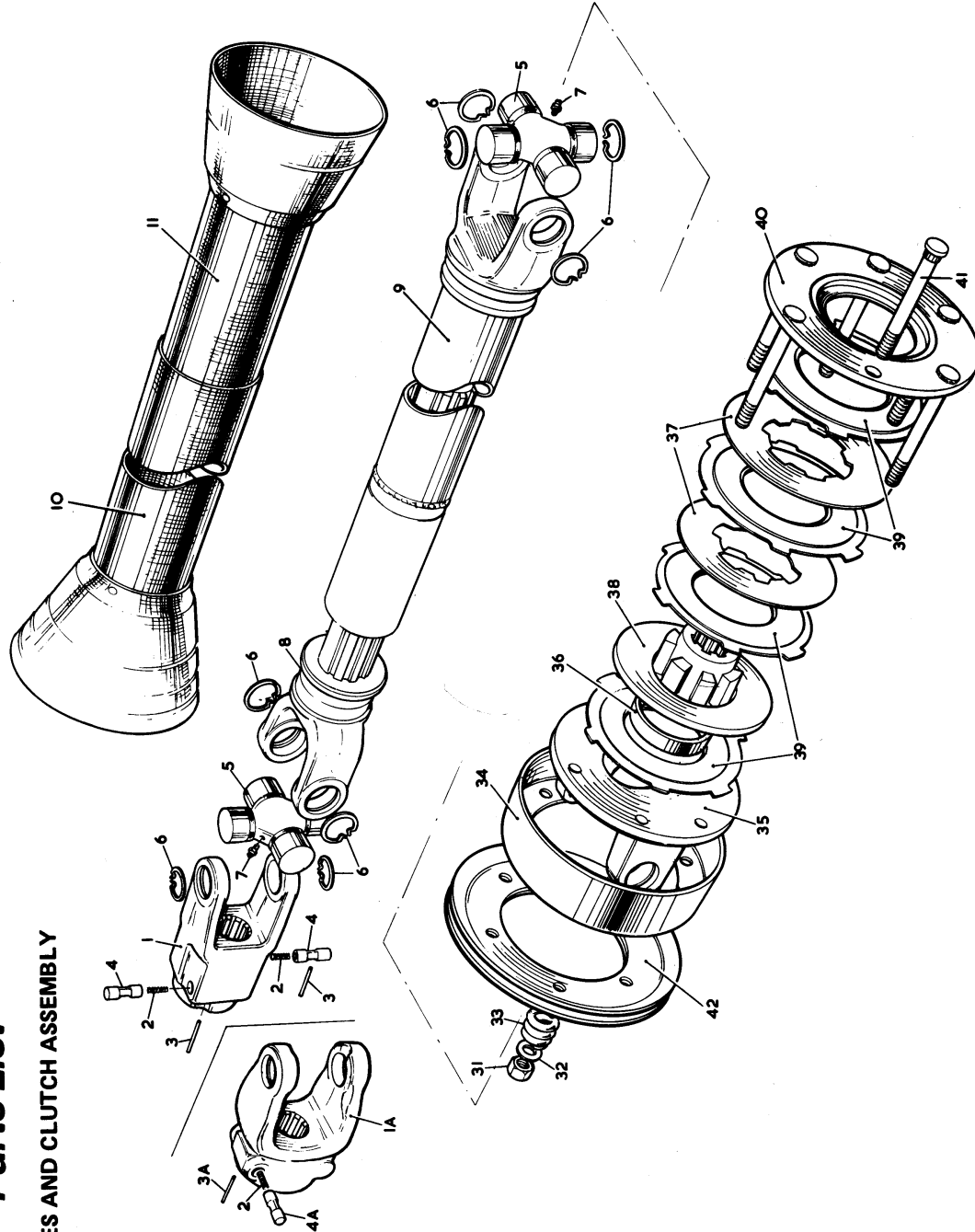
The Bin number column is for you to record the location of that item in the stores.

When writing in the Bin locations, complete the numerical index first and then transfer the information to the other pages.

Howard S Series - Parts List

UNIVERSAL JOINT ASSEMBLIES AND CLUTCH ASSEMBLY

787	4.78	2
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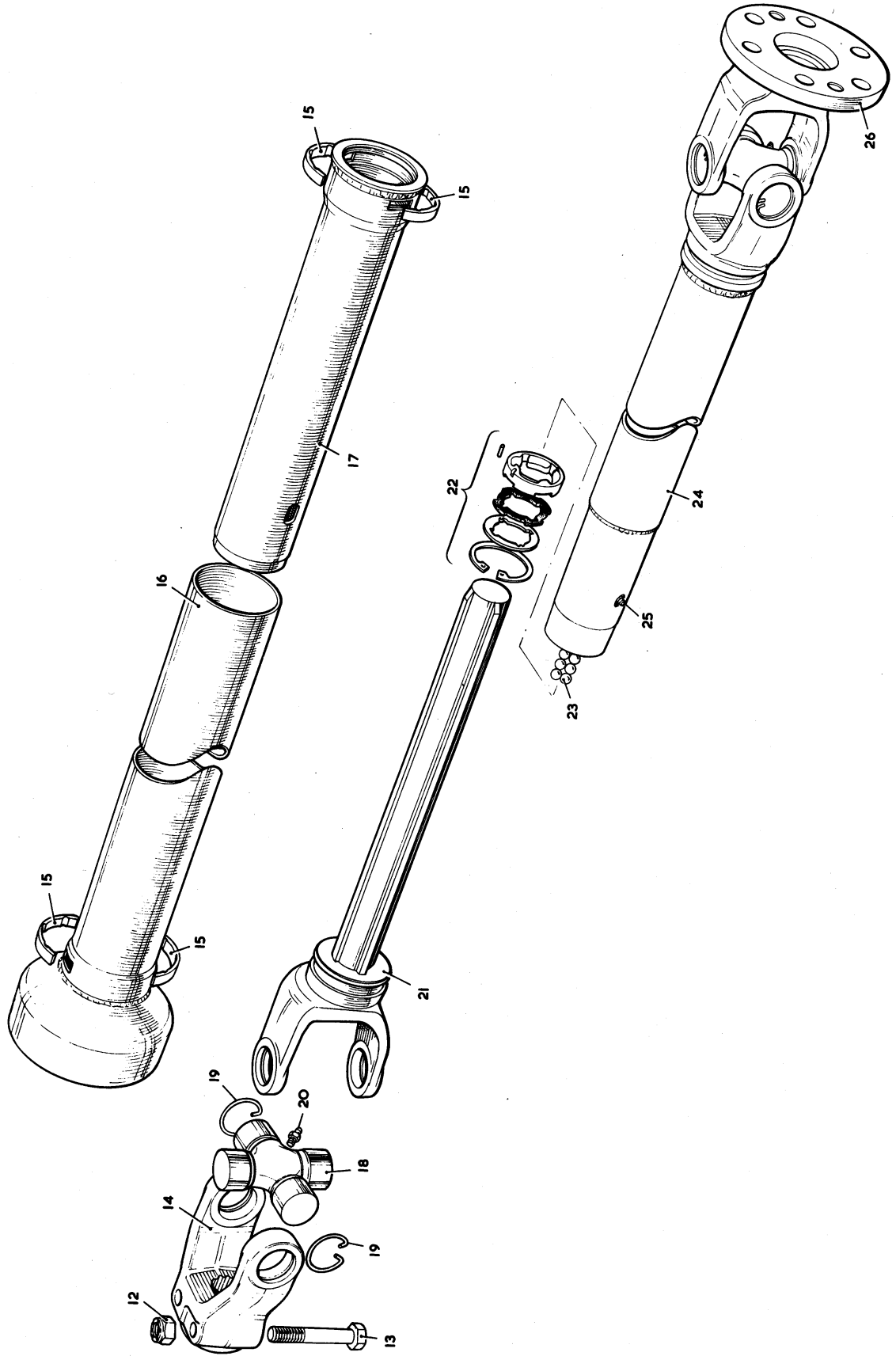
UNIVERSAL JOINT ASSEMBLIES

Part Number	Makers ref.	Tractor yoke	Operating length	Type of guard	Illus. Nos.
305312	148 - RO - 0012	1 7/8 inches x 6 spline	21 - 30 inches (52.5 - 76.2cm)	Non-rotating	1 - 11
305313	148 - RO - 0011	1 3/8 inches x 21 spline	21 - 30 inches (52.5 - 76.2cm)	Non-rotating	1a - 2 - 3a - 4a - 5 to 11
305314	148 - RO - 0060	1 3/8 inches x 6 spline	21 - 30 inches (52.5 - 76.2cm)	Non-rotating	1b - 5 - 6 - 7 - 8c - 9c - 10 - 11
69117	148 - RO - 0014	1 7/8 inches x 6 spline	24 - 36 inches (60.9 - 91.2cm)	Non-rotating	1 to 7 - 8a - 9a - 10 - 11a
69118	148 - RO - 0013	1 3/8 inches x 21 spline	24 - 36 inches (60.9 - 91.2cm)	Non-rotating	1a - 2 - 3a - 4a - 5 - 6 - 7
				Non-rotating	8b - 9b - 10a - 11a

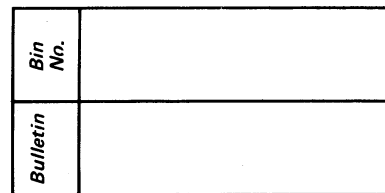
787		4.78	4
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Howard S Series – Parts List

UNIVERSAL JOINT ASSEMBLIES



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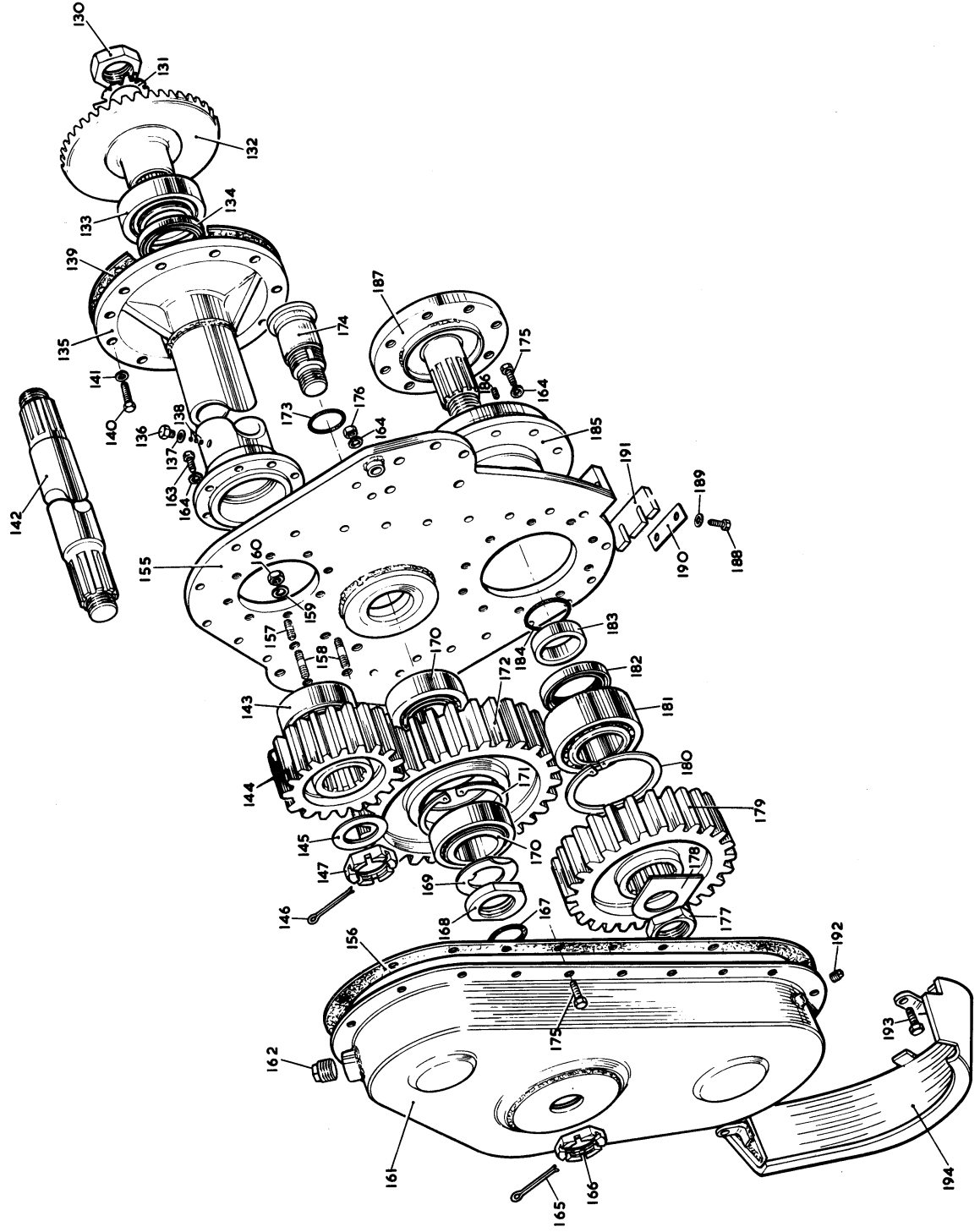
<i>Illus. No.</i>	<i>Part Number</i>	<i>Description</i>	<i>No. Off</i>
		GEARBOX ASSEMBLY	
47	51151	Special nut	1
48	208010300	Split pin $\frac{3}{32}$ " dia. x $1\frac{1}{2}$ " long	1
	305144	Clutch guard assembly — for use with part no. 305316 pto pulley. Illus. no. 42 comprising:	1
49	305318	Clutch guard	1
50	305320	Cover	1
51	208042060	Self tapping screw round head No. 4 x $\frac{3}{16}$ " long Type Z	4
52	305321	Bracket	1
53	101406060	Setscrew $\frac{3}{16}$ " unc x $\frac{3}{8}$ " long	2
54	108061140	Spring washer $\frac{3}{8}$ " dia.	2
55	107206010	Nut $\frac{5}{8}$ " unc.	2
	305448	Clutch guard assembly — standard	1

Howard S Series - Parts List

787	4.78	8
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Howard S Series – Parts List

JACKSHAFT ASSEMBLY, BACKPLATE AND ROTOR DRIVE ASSEMBLY

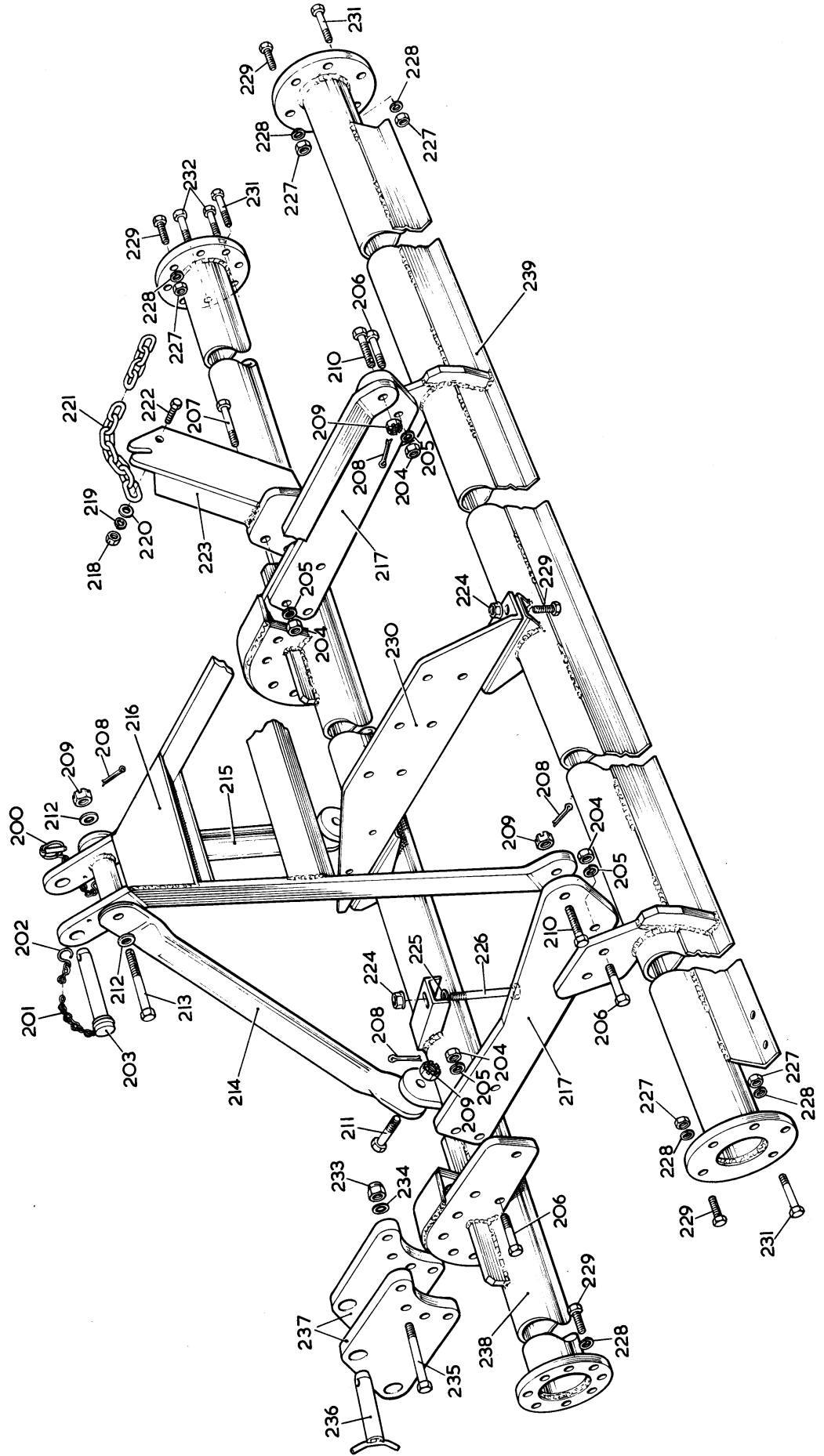


Illus. No.	Part Number	Description	Illus. No.	Part Number	Description	No. Off	Bulletin	Bin No.
JACKSHAFT ASSEMBLY								
130	305183	Special nut	155	305066	Backplate	1		
131	305184	Tab washer	156	305069	Gasket	1		
132	305300	Crownwheel 35T	157	305076	Stud	5		
133	253054121	Bearing 5 $\frac{3}{8}$ " o.d. x 3" i.d. x 1 $\frac{13}{16}$ " W	158	306240	Stud	2		
134	264030051	Timken ref. cup 493 cone 495A	159	108081440	Spring washer 1 $\frac{1}{2}$ " dia.	7		
135	305179	Oilseal 4" o.d. x 3" i.d. x 1 $\frac{1}{2}$ " W	160	107208010	Nut 1 $\frac{1}{2}$ " unc	7		
136	305243	single lip Pioneer 11P400300050	161	305067	Gearcase	1		
137	108061260	Jackshaft housing - 80" - 90" models	162	203031020	Plug 3/4" B.S.P. square head	1		
138	305244	Jackshaft housing - 100" model	163	101406070	Setscrew 3/8" unc x 3/8" long	8		
139	305135	Breather assembly	164	108061140	Spring washer 8/16" dia.	40		
140	101408100	comprising:	165	208010460	Split pin 1/8" dia. x 3" long	1		
141	108081440	Breather pad housing	166	305074	Slotted nut	1		
142	305178	Fibre washer	167	202023410	'O' ring 1 1/4" i.d. x .139" Pioneer B.S. 1806/224	1		
143	252244121	Breather pad	168	305073	Special nut	1		
144	305181	Gasket .030"	169	305075	Tab washer	1		
145	305185	Gasket .015"	170	252444121	Bearing 4 1/2" o.d. x 2 3/8" i.d. x 1 1/8" W	1		
146	208010490	Setscrew 1/2" unc x 1 1/4" long	171	208001590	Timken cup 3920 cone 3980	2		
147	305182	Spring washer 1/2" dia.	172	305070	Internal circlip 113mm dia. Anderton 1300-113m	1		
148 to 154	not allocated.	Jackshaft 80" - 90" models	173	202025070	'O' ring 2 1/8" i.d. x .39 Pioneer 159	1		
		Jackshaft 100" model	174	305071	Idle shaft	1		
		Bearing 4.430" o.d. x 2 1/4" i.d. x 1 1/8" W	175	101406080	Setscrew 3/8" unc x 1" long	30		
		Timken ref. cup 39580 cone 39520	176	107206010	Nut 3/8" unc	21		
		Jackshaft gear	177	33690	Special nut	1		
		Washer 5/16" dia. x 2 3/4" long	178	305030	Tab washer	1		
		Split pin 3/32" dia. x 2 3/4" long	179	305027	Rotor gear	1		
		Slotted nut	180	208001570	Internal circlip 140mm dia.	1		
			181	256514481	Bearing 140mm o.d. x 65mm i.d. x 48mm W	1		
			182	264030064	SKF 22313C	1		
			183	305029	Oilseal 4" o.d. x 3" i.d. x 5/8" W	1		
			184	202023470	double lipped superseals 795040 type A	1		
			185	305307	Collar	1		
			186	131405030	'O' ring 2 3/4" o.d. x 2 1/2" i.d. x .139" W	1		
			187	305028	Rotor bearing housing	1		
			188	101406080	Socket head setscrews 1/8" unc x 3/4" long flat point	2		
			189	108061130	Rotor drive shaft	1		
			190	305130	Setscrew 3/8" unc x 1" long	2		
			191	305129	Shakeproof washer 3/8" dia. internal	2		
			192	203031050	Backing strip L.H.	1		
			193	101406100	Cutting blade L.H.	1		
			194	305068	Plug 3/8" B.S.P. square head	1		
			195 to 199	not allocated.	Setscrew 3/8" unc x 1 1/4" long	2		
					Ground skid	1		
BACKPLATE AND ROTOR DRIVE ASSEMBLY								
Backplate								
Gasket								
Stud								
Stud								
Spring washer 1/2" dia.								
Nut 1/2" unc								
Gearcase								
Plug 3/4" B.S.P. square head								
Setscrew 3/8" unc x 3/8" long								
Spring washer 8/16" dia.								
Split pin 1/8" dia. x 3" long								
Slotted nut								
'O' ring 1 1/4" i.d. x .139" Pioneer B.S. 1806/224								
Special nut								
Tab washer								
Bearing 4 1/2" o.d. x 2 3/8" i.d. x 1 1/8" W								
Timken cup 3920 cone 3980								
Internal circlip 113mm dia. Anderton 1300-113m								
Idle gear 3 1/2"								
'O' ring 2 1/8" i.d. x .39 Pioneer 159								
Idle shaft								
Setscrew 3/8" unc x 1" long								
Nut 3/8" unc								
Special nut								
Tab washer								
Rotor gear								
Internal circlip 140mm dia.								
Bearing 140mm o.d. x 65mm i.d. x 48mm W								
SKF 22313C								
Oilseal 4" o.d. x 3" i.d. x 5/8" W								
double lipped superseals 795040 type A								
Collar								
'O' ring 2 3/4" o.d. x 2 1/2" i.d. x .139" W								
Rotor bearing housing								
Socket head setscrews 1/8" unc x 3/4" long flat point								
Rotor drive shaft								
Setscrew 3/8" unc x 1" long								
Shakeproof washer 3/8" dia. internal								
Backing strip L.H.								
Cutting blade L.H.								
Plug 3/8" B.S.P. square head								
Setscrew 3/8" unc x 1 1/4" long								
Ground skid								

Howard S Series - Parts List

STAYTUBE ASSEMBLY

787	4.78	10
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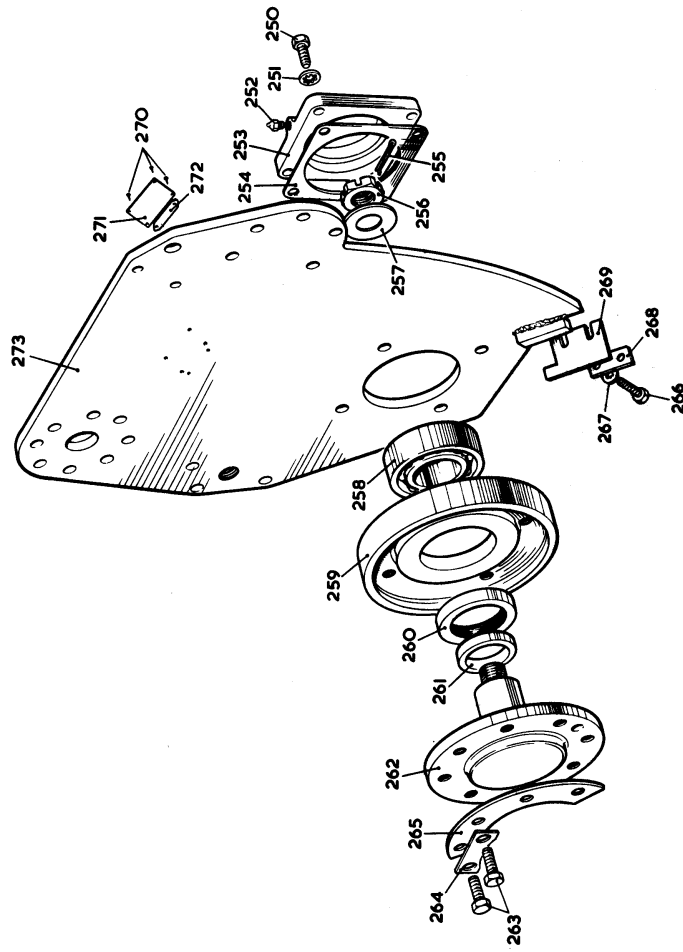
<i>Illus. No.</i>	<i>Part Number</i>	<i>Description</i>	<i>No. Off</i>	<i>Bulletin</i>	<i>Bin No.</i>	<i>Illus. No.</i>	<i>Part Number</i>	<i>Description</i>	<i>No. Off</i>	<i>Bulletin</i>	<i>Bin No.</i>
200	50934	Clip pin and ring	1								
201	3013	Chain	2								
202	3912	Hook	3								
203	305098	Drawpin	1								
204	107210010	Nut $\frac{5}{8}$ " unc	10								
205	108101740	Spring washer $\frac{3}{8}$ " dia.	10								
206	101210160	Bolt $\frac{3}{8}$ " unc x 2" long	7								
207	101210200	Bolt $\frac{3}{8}$ " unc x 2 $\frac{1}{2}$ " long	3								
208	208010410	Split pin $\frac{3}{8}$ " dia. x 1 $\frac{1}{2}$ " long	5								
209	107110050	Slotted nut $\frac{3}{8}$ " unf	5								
210	305231	Special bolt	2								
211	305232	Special bolt $\frac{5}{8}$ "	2								
212	108102010	Flat washer $\frac{5}{8}$ " dia.	As req'd.								
213	305233	Special bolt	1								
214	305094	Support tube L.H.	1								
215	305095	Support tube R.H.	1								
216	305092	Topmast	1								
217	305093	Staytube arm	2								
218	107206010	Nut $\frac{3}{8}$ " unc	1								
219	108061140	Spring washer $\frac{3}{8}$ " dia.	1								
220	108061210	Flat washer $\frac{3}{8}$ " dia.	1								
221	59961	Adjuster chain	1								
222	101406080	Setcrew $\frac{3}{8}$ " unc x 1" long	1								
223	305282	R.H. clip bracket	1								
224	107208250	Whizlock flange nut $\frac{1}{2}$ " unc	5								
225	108081610	Flat washer $\frac{1}{2}$ " dia.	1								
226	101208340	Bolt $\frac{1}{2}$ " unc x 4 $\frac{1}{2}$ " long	1								
227	107208010	Nut $\frac{1}{2}$ " unc	18								
228	108081440	Spring washer $\frac{1}{2}$ " dia.	19								
229	101408120	Setcrew $\frac{1}{2}$ " unc x 1 $\frac{1}{2}$ " long	18								
230	305101	Gearbox support up to machine serial no. 760A3008	1								
231	101208160	Bolt $\frac{1}{2}$ " unc x 2" long	3								
232	101208140	Bolt $\frac{1}{2}$ " unc x 1 $\frac{1}{4}$ " long — 80" and 100" models	2								
233	101408120	Setcrew $\frac{1}{2}$ " unc x 1 $\frac{1}{2}$ " long — 90" model	2								
234	107210030	Nut $\frac{3}{8}$ " unc Self locking	8								
235	108102010	Flat washer $\frac{3}{8}$ " dia.	8								
236	101210380	Bolt $\frac{3}{8}$ " unc x 4 $\frac{1}{2}$ " long	8								
237	300299	Mounting pin	2								
238	305096	Mounting plate — up to machine serial no. 7681160	4								
239	305357	Mounting plate — from machine serial no. 7681161	4								
240	305090	Front staytube — 80" model	1								
241	305509	Front staytube — 90" model	1								
242	305276	Front staytube — 100" model	1								
243	305091	Rear staytube — 80" model	1								
244	305509	Rear staytube — 90" model	1								
245	305277	Rear staytube — 100" model	1								
240—249 not allocated.											
						787			4.78	11	

Howard S Series – Parts List

Howard S Series – Parts List

ROTOR STUB AXLE AND R.H. SIDE PLATE ASSEMBLY

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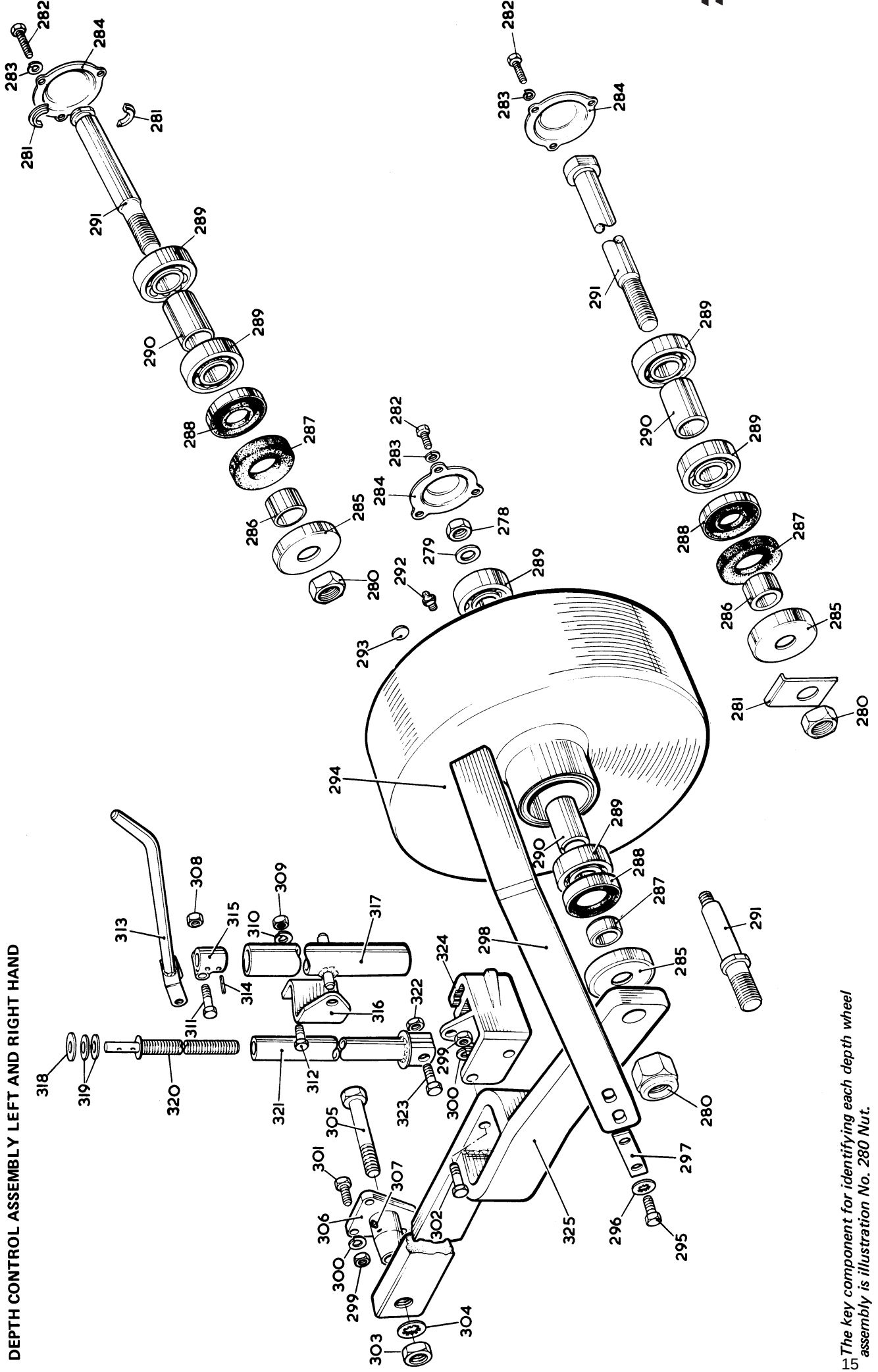


Illus. No.	Part Number	Description	No. Off	Bulletin	Bin No.	Illus. No.	Part Number	Description	No. Off	Bulletin	Bin No.
250	101309120	ROTOR STUB AXLE AND R.H. SIDE PLATE ASSEMBLY	4								
251	108081430	Setscrew 1/4" x 1 1/2" long	4								
252	202030020	Shakeproof washer 1/2" dia. internal	4								
253	305042	Grease nipple 3/8" B.S.P. straight	1								
254	305043	End cover	1								
255	208010420	Shim .010"	1								
256	50474	Split pin 3/8" dia. x 2 1/2" long	1								
257	48486	Special nut	1								
258	252045111	Washer	1								
259	305041	Ball bearing 4 1/2" o.d. x 2" i.d. x 1 1/2" w B.R.M. 2	1								
260	263526052	Bearing housing	1								
261	305044	Oilseal 3 1/2" o.d. x 2 3/8" i.d. x 1/2" W	1								
262	305040	double lipped Pioneer type 13P/35026250/B	1								
263	101410120	Collar	1								
264	305031	Stub axle	1								
265	305298	Setscrew 5/8" x 1 1/2" long	8								
266*	101406080	Tab washer	4								
267*	108061130	Shim .064" — must be used in pairs	As req'd.								
268*	305048	Setscrew 5/8" x 1" long	2								
269*	305047	Shakeproof washer 3/8" dia. internal	2								
270	208041090	Backing strip R.H.	1								
271	58197	Cutting blade R.H.	1								
272	66488	*Not required on 80" machines fitted with open end rotor part No.305055	6								
273	305052	Hammer drive screw No. 2 x 3/16" long type U	1								
274 to 277	not allocated.	Machine number plate	1								
		Patent plate	1								
		Sideplate	1								

Howard S Series - Parts List

DEPTH CONTROL ASSEMBLY LEFT AND RIGHT HAND

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The key component for identifying each depth wheel assembly is illustration No. 280 Nut.

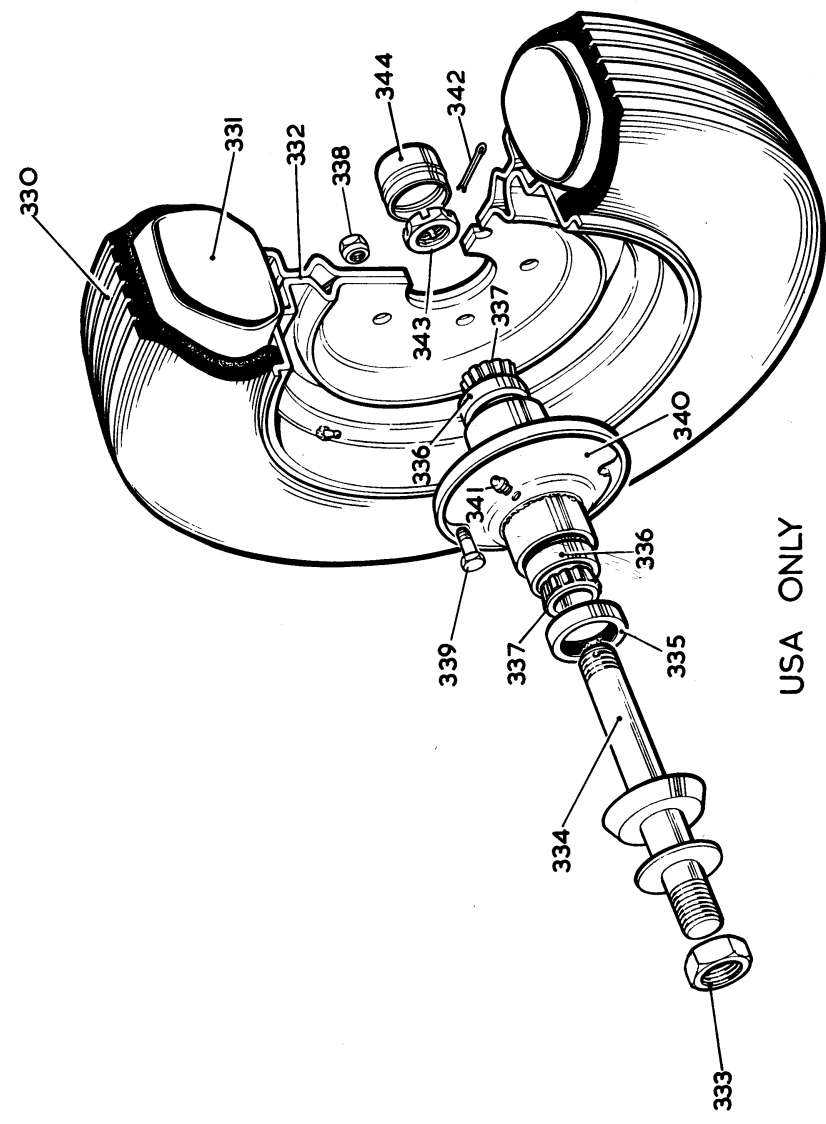
<i>Illus. No.</i>	<i>Part Number</i>	<i>Description</i>	<i>No. Off</i>	<i>Bulletin</i>	<i>Bin No.</i>
DEPTH CONTROL ASSEMBLY LEFT AND RIGHT					
HAND					
— Depth wheel assembly — except U.S.A. machines up to machine serial No. 760A2608 comprising:					
*305242					
278	Not allocated.				
279	Not allocated.				
280	107116130	Nut 1" unfl self locking ...	2		
281	67051	Split collar ...	2		
282	101406060	Setscrew $\frac{3}{8}$ " unc x $\frac{3}{4}$ " long	6		
283	108061140	Spring washer $\frac{3}{8}$ " dia.	6		
284	67014	Cover ...	2		
285	67018	Dust cover ...	2		
286	67019	Spacer ...	2		
287	50084	Felt seal ...	2		
288	262917051	Oilseal 2 $\frac{1}{2}$ " o.d. x 1 $\frac{1}{2}$ " i.d. x $\frac{1}{2}$ " w single lipped	2		
289	251128081	Bearing 2 $\frac{1}{2}$ " o.d. x 1 $\frac{1}{2}$ " i.d. x $\frac{1}{16}$ " w B.R.M. 1 $\frac{1}{8}$ "	4		
290	67017	Distance tube ...	2		
291	305241	Axle — UNF ...	2		
292	202030020	Grease nipple $\frac{1}{8}$ " BSP straight	2		
293	52441	Welsh plug ...	6		
294	67013	Steel wheel ...	2		
*305242		— Depth wheel assembly — except U.S.A. machines comprising:			
278	Not allocated.				
279	Not allocated.				
280	107216020	Locknut 1" unc	2		
281	69097	Tab washer	2		
282	101406060	Setscrew $\frac{3}{8}$ " unc x $\frac{3}{4}$ " long	6		
283	108061140	Spring washer $\frac{3}{8}$ " dia.	6		
284	305542	Cover ...	2		
285	305543	Dust cover ...	2		
286	67019	Spacer ...	2		
287	50084	Felt seal ...	2		
288	262917051	Oilseal 2 $\frac{1}{2}$ " o.d. x 1 $\frac{1}{2}$ " i.d. x $\frac{1}{2}$ " w single lipped	2		
289	251128081	Bearing 2 $\frac{1}{2}$ " o.d. x 1 $\frac{1}{2}$ " i.d. x $\frac{1}{16}$ " w B.R.M. 1 $\frac{1}{8}$ "	4		
290	67017	Distance tube ...	2		
291	305419	Axle unc 6 $\frac{1}{8}$ " long obsolete use 305541	2		
292	305541	Axle unc 7 $\frac{1}{32}$ " long - requires illus. Nos. 284-285	2		
293	202030020	Grease nipple $\frac{1}{8}$ " B.S.P. straight	2		
294	52441	Welsh plug ...	6		
294	67012	Steel wheel ...	2		
305548		— Depth wheel assembly — except U.S.A. machines comprising:			
278	107112020	Locknut $\frac{3}{4}$ " unfl ...	2		
279	108122410	Flat washer $\frac{3}{4}$ " dia.	2		
280	107220385	Nut 1 $\frac{1}{2}$ " unfl self locking	2		
281	Not allocated.				
282	101406060	Setscrew $\frac{3}{8}$ " unc x $\frac{3}{4}$ " long	6		

Howard S Series - Parts List

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Howard S Series - Parts List

DEPTH WHEEL ASSEMBLY

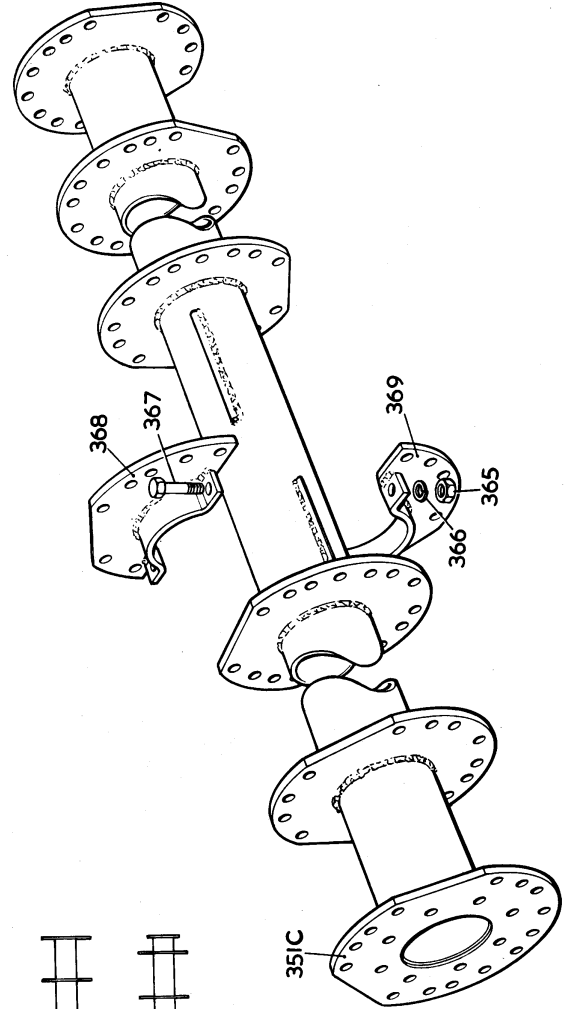
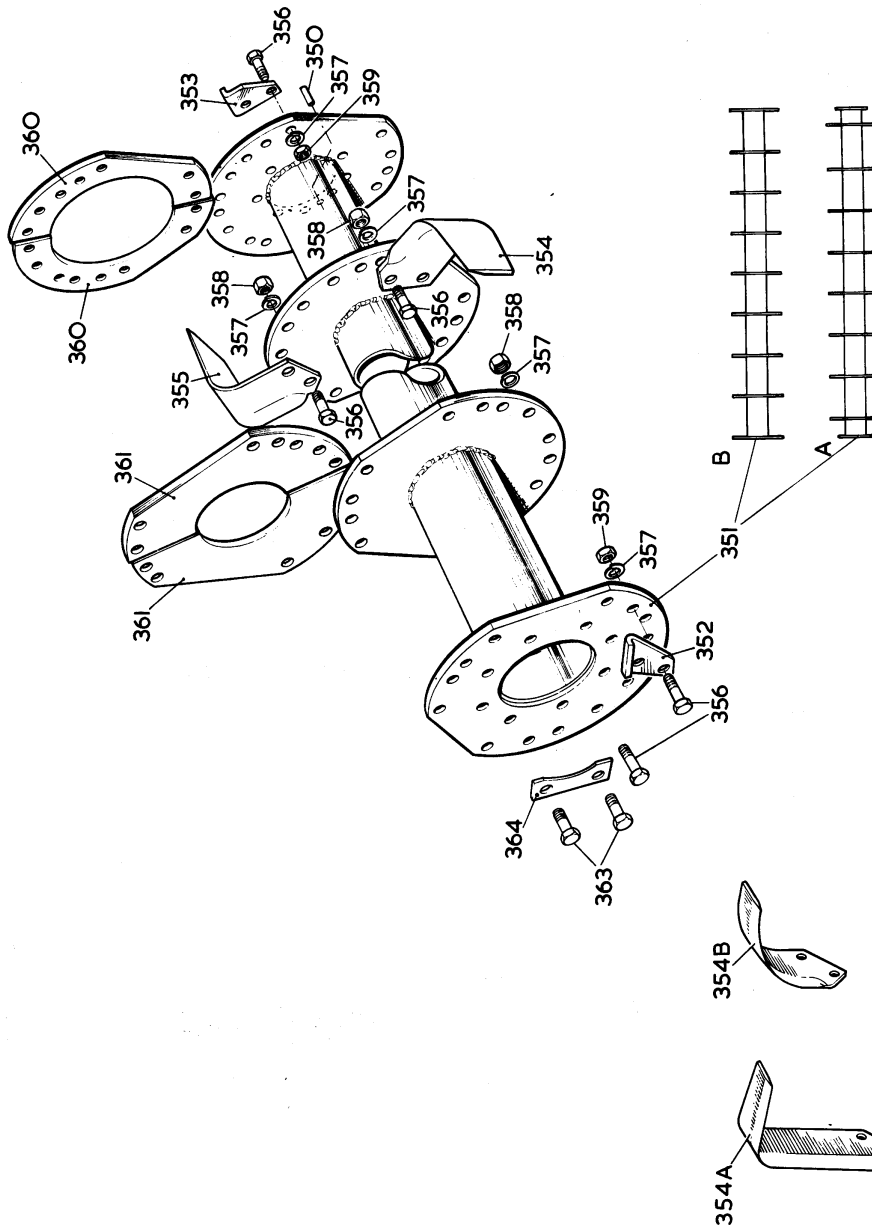


Illus. No.	Part Number	Description	No. Off	Bulletin	Bin No.	Illus. Part Number	Description	No. Off	Bulletin	Bin No.
DEPTH WHEEL ASSEMBLY – SUPPLIED AND FITTED IN U.S.A.										
5992		Wheel assembly ...	2							
		comprising:—								
330	900003355	Tyre 5.30"	2							
331	900003354	Tube ...	2							
332	900003356	Rim 12"	2							
	900003360	Hub and axle assembly ...	2							
		comprising:—								
333	1290	Locknut 1" NF	2							
334	900003359	Axle ...	2							
335	1286	Oilseal ...	2							
336	1288	Bearing cup ...	4							
337	1287	Bearing cone ...	4							
338	5082	Wheel nut ...	10							
339	10248	Mounting bolt ...	10							
340	900003361	Hub complete with bearing cups	2							
341	900003364	Grease nipple (1449B) ...	2							
342	208010320	Split pin 3 16" dia x 1 1/2" long	2							
343	1285	Slotted axle nut ...	2							
344	1284	Hub cap ...	2							
345 to 349 Not allocated.										
								787	4.78	17

Howard S Series - Parts List

ROTOR ASSEMBLY AND SPIKE ROTOR ASSEMBLY S100 ONLY

787	4.78	18
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Illus. Part Number	Description	No. Off	Bulletin	Bin No.
350	208012260	1		
351A	305055	1		
351B	305443	1		
351C	305514	1		
351D	305273	1		
352	305398	1		
353	305280	1		
354	9862	80" - 100"		
355	9863	24 - 30		
9864	9865	24 - 30		
354A	9910	24 - 30		
355A	9911	24 - 30		
354B	9950	24 - 30		
355B	9951	24 - 30		
69756	69757	24 - 30		
69757	69766	24 - 30		
69767	69767	24 - 30		
*67556	Blade bolt assembly	96 - 124		
356	includes:-			
357	Spring washer 5/8" dia.	96 - 124		
358	Special high nut	84 - 112		
*Available in packets of ten.				
359	Nut 5/8" unf	12		
360	Clamping ring - end flange	For arduous		
361	Clamping ring - centre flange	ground		
+note: only 8 required for S80 open end rotor		9		
362	Blade bolt	conditions.		
363	Setscrew 3/8" unc x 1 1/2" long	96 - 124		
364	Tab washer	8		
365	Nut 3/4" unc	4		
366	Spring washer 3/4" dia.	4		
367	Bolt 3/4" unc x 3" long	4		
368	Half flange L.H.	4		
369	Half flange R.H.	2		
		2		

Illus. Part Number	Description	No. Off	Bulletin	Bin No.
370	305432	1		
371	305434	41		
372	208015125	41		
373	330289	1		
374	330290	1		
375	330291	1		
376 to 379	Not allocated.			

Illus. Part Number	Description	No. Off	Bulletin	Bin No.
370	305432	1		
371	305434	41		
372	208015125	41		
373	330289	1		
374	330290	1		
375	330291	1		
376 to 379	Not allocated.			

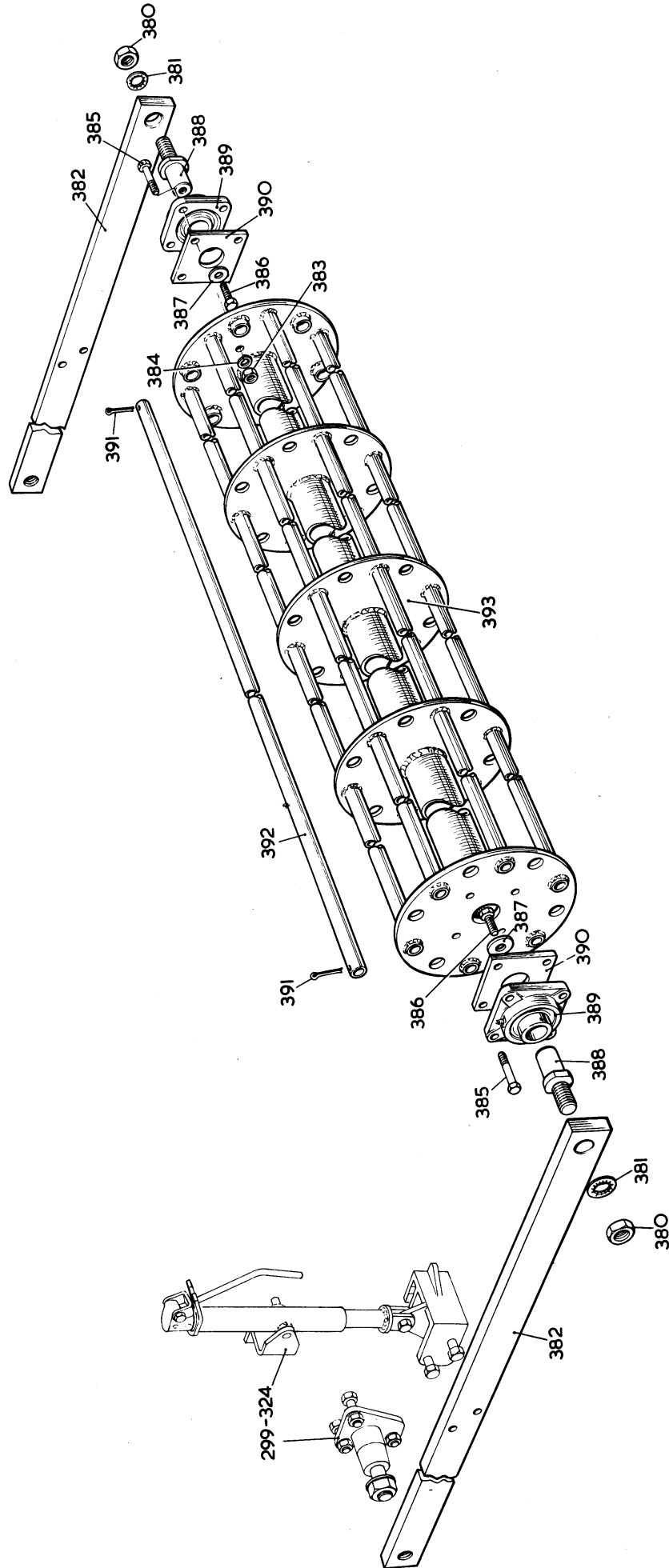
787	4.78	19
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Howard S Series - Parts List

Howard S Series - Parts List

CRUMBLE ROLLER S100 ONLY

787	4.78	20
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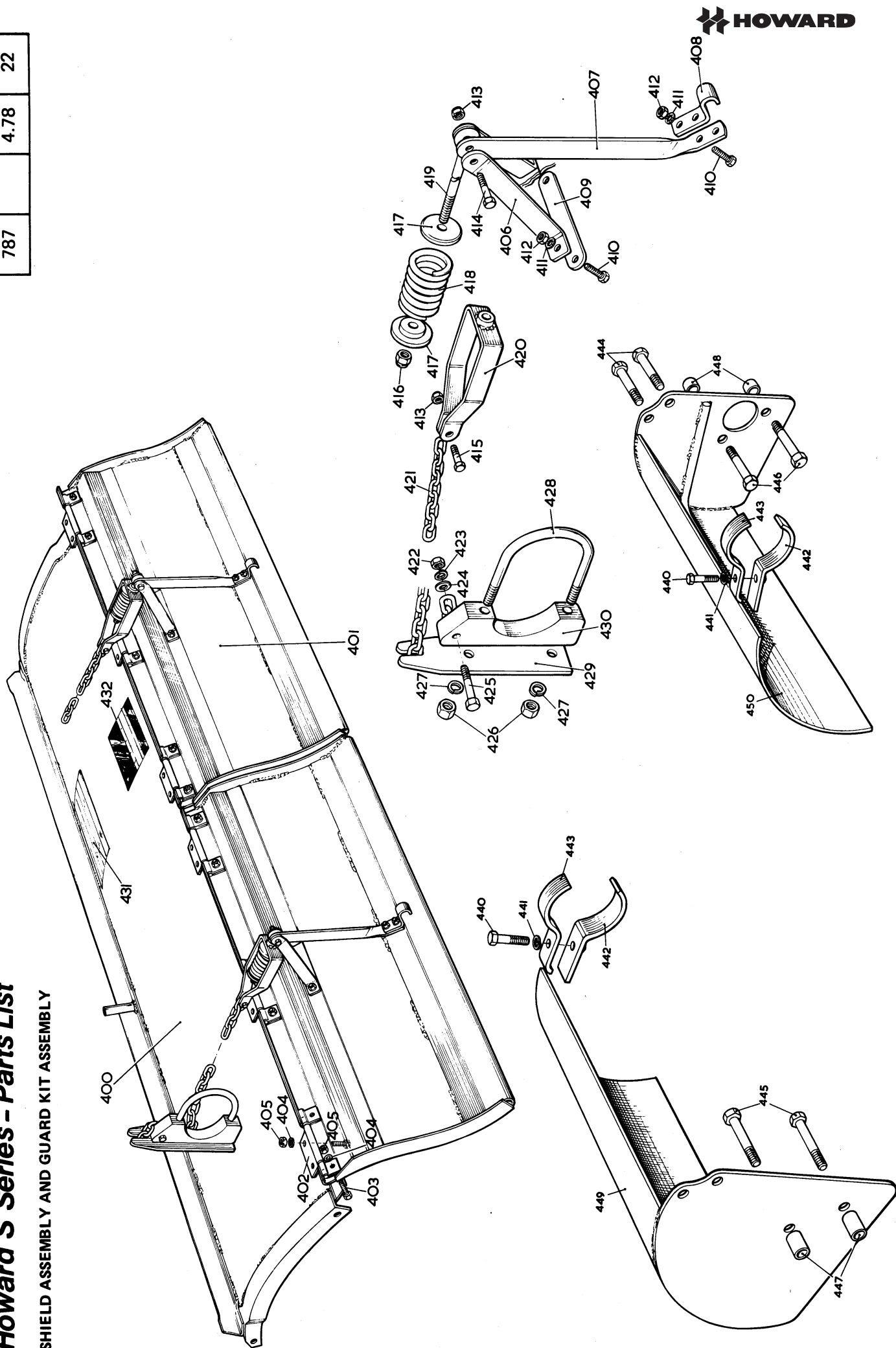
Illus. No.	Part Number	Description	No. Off	Bulletin	Bin No.	Illus. Part Number	Description	No. Off	Bulletin	Bin No.
380	107216020	CRUMBLE ROLLER S100 ONLY Locknut 1" unc 2 Shakeproof washer 1" dia. internal 2 Support arm 2 └ Crumble roller assembly 1 comprising:— Nut ½" unc self locking 8 Spring washer ½" dia. 8 Bolt ½" unc x 2" long 8 Setscrew ½" unc x 1¼" long 2 Washer 2 Axle 2 Bearing unit 35mm bore triple sealed RHP 7/T MSF/35 2 Packing plate 2 Split pin 5/32" dia x 1½" long 12 Roller 6 └ Tube assembly 1 394 to 399 Not allocated.	2							
381	108162630		2							
382	305422		2							
	305424		1							
383	107208150		8							
384	108081440		8							
385	101208160		8							
386	101408100		2							
387	69717		2							
388	59928		2							
389	253551205		2							
390	305439		2							
391	208010310		12							
392	305426		6							
393	305425		1							
787										
4.78										
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Howard S Series – Parts List

Howard S Series - Parts List

SHIELD ASSEMBLY AND GUARD KIT ASSEMBLY

787	4.78	22
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Illus. No.	Part Number	Description	No. Off	Bulletin	Bin No.	Illus. No.	Part Number	Description	No. Off	Bulletin	Bin No.
400	305012	SHIELD ASSEMBLY				440	101206140	GUARD KIT ASSEMBLY U.K. MACHINES ONLY			
	305503	Main shield — 80" model	1			441	108061140	Bolt $\frac{3}{8}$ " unc x $1\frac{1}{2}$ " long	2		
	305257	Main shield — 90" model	1			442	305393	Spring washer $\frac{3}{8}$ " dia.	2		
401	305024	Main shield — 100" model	1			443	305392	Clamp lower	2		
	305024	Trailing board — 80" model	2			444	101208140	Top clamp	2		
	305265	Trailing board 40" (L.H.) — 90" model	1			445	101208220	Bolt $\frac{1}{2}$ " unc x $1\frac{1}{2}$ " long — replaces Illus. 229	1		
	305265	Trailing board 50" (R.H.)	1			446	101208180	Bolt $\frac{1}{2}$ " unc x $2\frac{1}{2}$ " long — replaces Illus. 301	2		
402	50724	Trailing board — 100" model	2			447	305333	L.H. Spacer	2		
403	101302100	Hinge	6			448	305334	R.H. Spacer	2		
404	108081430	Setcrew $\frac{1}{2}$ " unc x $1\frac{1}{2}$ " long	24			449	305390	L.H. Guard	1		
405	107108010	Shakeproof washer $\frac{1}{2}$ " dia. internal	24			450	305391	R.H. Guard	1		
406	65644	Nut $\frac{1}{2}$ " unf	24					LABEL LIST — NOT ILLUSTRATED			
407	65645	Front support	4					Transfer 'S'	1		
408	65646	Centre stay	2					Royal coat of Arms and Queens Award	1		
409	65647	Hook	2					'Howard Rotavator'	1		
410	101406100	Stiffening strip	2					Lubrication Label	1		
411	108061130	Setcrew $\frac{3}{4}$ " unc x $1\frac{1}{4}$ " long	8								
412	107206010	Shakeproof washer $\frac{3}{8}$ " dia. internal	8								
413	107206030	Nut $\frac{3}{8}$ " unc	8								
414	101206160	Nut $\frac{3}{8}$ " unc self locking	4								
415	101206110	Bolt $\frac{3}{8}$ " unc x $2\frac{1}{2}$ " long	2								
	305026	Bolt $\frac{3}{8}$ " unc x $1\frac{3}{4}$ " long	2								
		Damper assembly	2								
		comprising:—									
416	107206130	Nut $\frac{3}{8}$ " unc self locking	2								
417	305336	Washer	4								
418	2280	Spring	2								
419	305335	Rod	2								
420	305330	Shackle	2								
421	59961	Adjuster chain	1								
	305296	L.H. Clip bracket assembly	1								
		comprising:—									
422	107206010	Nut $\frac{3}{8}$ " unc	1								
423	108061140	Spring washer $\frac{3}{8}$ " dia.	1								
424	108061210	Flat washer $\frac{3}{8}$ " dia.	1								
425	101206160	Bolt $\frac{3}{8}$ " unc x $2\frac{1}{2}$ " long	1								
426	107208010	Nut $\frac{1}{2}$ " unc	2								
427	108081440	Spring washer $\frac{1}{2}$ " dia.	2								
428	305285	U bolt	1								
429	305284	Support plate	1								
430	305283	Clamping block	1								
431	58173	Warning label	1								
432	58172	Selectatith label	1								
433		to 439 Not allocated.									
										787	23
										4.78	

Howard S Series – Numerical Parts List

787

4.78

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Parts No.	Illus. or Item No.	Bin No.	Parts No.	Illus. or Item No.	Bin No.	Parts No.	Illus. or Item No.	Bin No.	Parts No.	Illus. or Item No.	Bin No.
1284	344		67015	281		305095	215		305221	68	
1285	343		67017	290		305096	237		305222	70	
1286	335		67018	285		305098	203		305223	72	
1287	337		67019	286		305101	230		305224	84	
1288	336		67040	298		305102	114		305228	106	
1290	333		67556	356		305104	88		305228	136	
2280	418		67557	358		305105	69		305230	305	
3448	313		69097	281		305106	95		305231	210	
3912	202		69117	1		305107	95		305232	211	
3913	201		69118	1		305108	95		305233	213	
5082	338		69717	387		305109	95		305236	325	
5992	330		69756	354A		305110	95		305239	325	
9854	362		69757	355A		305111	95		305241	291	
9862	354		69766	354A		305112	92		305242	278	
9863	355		69767	355B		305113	93		305243	106	
9864	355		300299	236		305114	94		305243	136	
9865	355		301355	361		305115	95		305244	108	
9910	354A		305012	400		305116	121		305244	138	
9911	355A		305024	401		305118	127		305257	400	
9950	354B		305026	416		305119	119		305263	142	
9951	355B		305027	179		305120	122		305264	135	
10248	339		305028	187		305121	122		305265	401	
33690	177		305029	183		305122	97		305276	351	
48486	257		305030	178		305123	96		305277	239	
50084	287		305031	264		305129	191		305280	353	
50474	83		305031	364		305130	190		305282	223	
50474	256		305040	262		305132	76		305283	430	
50724	402		305041	259		305134	77		305283	429	
50934	200		305042	253		305135	139		305284	428	
51151	47		305043	254		305137	87		305285	428	
52441	293		305044	261		305139	89		305292	98	
52726	34		305047	269		305140	104		305296	422	
53104	41		305048	268		305141	105		305297	77	
53761	40		305052	273		305143	109		305298	265	
55481	315		305053	321		305144	49		305299	123	
58172	432		305054	306		305158	360		305300	132	
58173	431		305055	351		305178	142		305304	38	
58195	NI		305057	324		305179	135		305305	64	
58197	271		305065	306		305181	144		305307	185	
58285	NI		305066	155		305182	147		305312	1	
58289	NI		305067	161		305183	130		305313	13	
58301	NI		305068	194		305184	131		305314	1	
59928	388		305069	156		305185	145		315316	42	
59961	221		305070	172		305191	81		305318	49	
59961	421		305071	174		305192	50		305320	50	
64279	NI		305072	324		305193	35		305321	52	
65644	406		305073	168		305208	71		305323	325	
65645	407		305074	166		305210	67		305325	325	
65646	408		305075	169		305211	74		305330	420	
65647	409		305076	110		305212	61		305333	447	
65650	319		305076	157		305213	91		305334	448	
65654	320		305089	316		305214	59		305335	419	
65657	317		305090	238		305215	60		305336	417	
66073	297		305091	239		305216	60		305357	237	
66488	272		305092	216		305217	62		305390	449	
67013	294		305093	217		305218	85		305391	450	
67014	284		305094	214		305220	85		305392	443	

Part No.	Illus. or Item No.	Bin No.	Part No.	Illus. or Item No.	Bin No.	Part No.	Illus. or Item No.	Bin No.	Part No.	Illus. or Item No.	Bin No.
101210200	207		107216020	380		204008410	9		900001060	24	
101210380	235		107220385	280		204008520	8A		900001066	14	
101212240	367		108050940	100		204008530	9A		900001067	14	
101308100	403		108061130	189		204008580	8B		900001071	14	
101308120	250		108061130	267		204008590	9B		900001072	14	
101405080	99		108061130	411		204010820	10		900001077	26	
101406060	53		108061140	54		204010830	11		900001079	14	
101406060	282		108061140	57		204010840	10A		900001080	24	
101406070	163		108061140	102		204010850	11A		900001081	24	
101406080	56		108061140	164		204011030	7		900001084	21	
101406080	103		108061140	219		204011740	5		900001088	21	
101406080	175		108061140	283		204011760	3		900001090	18	
101406080	188		108061140	310		204011770	2		900001091	18	
101406080	222		108061140	423		204011780	4		900001092	19	
101406080	266		108061140	441		204011790	3A		900001094	20	
101406100	58		108061210	220		204011800	4A		900001096	22	
101406100	101		108061210	424		208001050	6		900001099	15	
101406100	193		108061260	107		208001210	73		900001110	17	
101406100	410		108061260	137		208001570	180		900001111	17	
101408100	140		108081430	251		208001590	171		900001114	16	
101408100	386		108081430	296		208001600	126		900001115	16	
101408120	229		108081430	404		208002020	79		900001124	24	
101408120	232		108081440	141		208002130	90		900001125	14	
101408120	295		108081440	159		208009190	118		900001126	14	
101408120	301		108081440	228		208010300	48		900003354	331	
101410100	112		108081440	300		208010310	391		900003355	330	
101410120	263		108081440	384		208010320	342		900003356	332	
101410120	363		108081440	427		208010410	208		900003359	334	
106804050	82		108081610	32		208010420	255		900003360	333	
107108010	31		108081610	80		208010430	165		900003361	340	
107108010	405		108081610	225		208010460	146		900003364	341	
107108345	12		108101740	113		208010490	146		900012028	12	
107110010	359		108101740	205		208012070	314		900012029	12	
107110050	209		108101740	257		208012260	350				
107112020	278		108102010	212		208015125	372				
107116130	280		108102010	234		208041090	270				
107206010	55		108122040	366		208042060	51				
107206010	176		108122410	279		250506073	78				
107206010	218		108122410	318		251128081	289				
107206010	309		108162630	304		251733092	86				
107206010	412		108162630	381		251733092	120				
107206010	422		131405030	186		251740141	66				
107206020	308		202023410	167		252045111	258				
107206030	413		202023470	184		252244121	143				
107206130	416		202023540	65		252444121	170				
107208010	160		202025070	173		252548152	125				
107208010	227		202030020	252		253054121	133				
107208010	426		202030020	292		253551205	389				
107208150	383		202030420	307		256514481	181				
107208250	111		202042080	117		262917051	288				
107208250	224		203031010	115		263022043	63				
107210010	204		203031020	162		263526052	260				
107210020	322		203031050	192		264030051	134				
107210030	233		203031070	116		264030064	182				
107212010	365		204008270	1		264030064	182				
107216020	280		204008290	1A		900001052	14				
107216020	303		204008390	18		900001056	12				
			204008400	8		900001058	12				
						900001059	14				