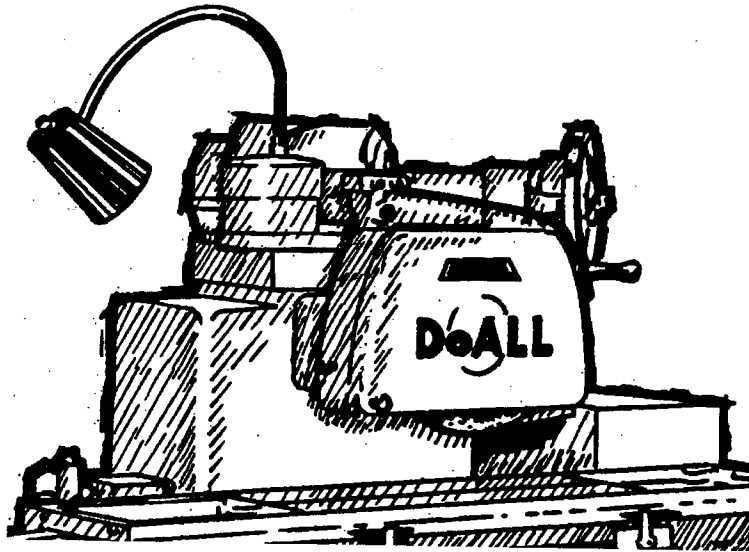


DoALL

PARTS MANUAL



MODEL: D10-0, D10-1, D10-3

**SERIAL NO.: 40-52101 to 40-60163
102-54101 to 102-54208
63-53101 to 63-59194**

SURFACE GRINDER

MACHINE SPECIFICATIONS

MODEL SERIAL NO.

VOLTAGE CYCLE PHASE

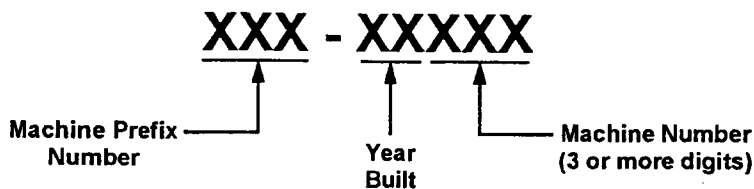
For your information and future reference, insert pertinent data concerning your machine in the spaces provided above. This information is stamped on the data plate attached to the machine frame.

Always specify machine model and serial number on all parts orders and correspondence concerning your machine. This will help avoid unnecessary delays and inconvenience during processing.

The specifications contained herein were in effect at the time this manual was approved for printing. The DoALL Company, whose policy is one of continuous product improvement, reserves the right, however, to change specifications or design at any time without notice and without incurring obligations.

How to read your serial number:

Example: 500-001234



DoALL COMPANY
254 NORTH LAUREL AVENUE
DES PLAINES, ILLINOIS 60016 U.S.A.

YOUR SERVICE REPRESENTATIVE:

INDEX A-1

FICHE NO. J-13 & 14 CLASS Grinder MODEL D10 SERIAL NO. 40-52101 TO 40-54208

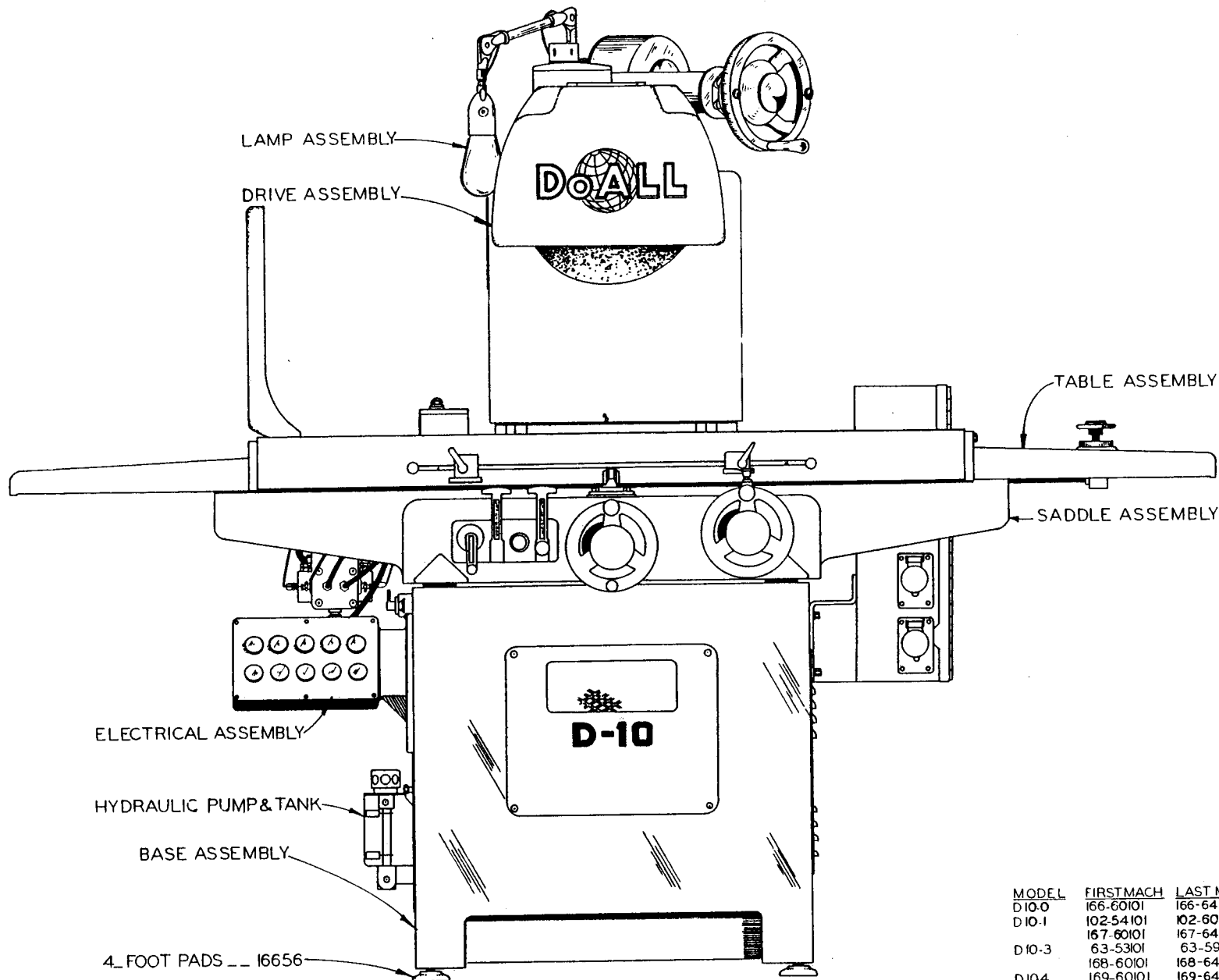
PAGE NO.	DESCRIPTION	FIRST SERIAL	LAST SERIAL	FRAME NO.		FICHE NO.
				DWG.	P.LIST	
F1-1.5	Final Assembly	ALL		A-5&6	A-5&6	J-13
F8-5.0	Automatic Downfeed Attach.	ALL		A-7&8	A-7&8	J-13
F9-4.0	Automatic Table Reverse Attach.	ALL		A-9	A-10	J-13
F6-3.0	Combination Valve	ALL		A-11&12	A-11&12	J-13
F6-1.3	Control Panel	ALL		B-1	B-1	J-13
F3-1.2.1	Coolant Pump & Tank, Std., J.I.C.	ALL		B-3&4	B-3&4	J-13
F3-1.2.2	Coolant Pump & Tank, Std.	ALL		B-5&6	B-5&6	J-13
F3-1.2	Coolant Pump & Tank, Cool & Combination	ALL		B-7&8	B-7&8	J-13
F3-1.3	Coolant Pump & Tank, Flood	ALL		B-9&10	B-9&10	J-13
F4-1.3.1	Cool Grind, Guard & Wheel	ALL		B-11&12	B-11&12	J-13
F4-3.4	Cool Grind, Flood	ALL		C-3&4	C-3&4	J-13
F6-5.3	Crossfeed Cylinder	ALL		C-5&6	C-5&6	J-13
F6-6.4.0	Crossfeed Screw	40-52101	to 40-53154	C-9&10	C-9&10	J-13
F6-6.4.1	Crossfeed Screw	40-53155	to END	C-11&12	C-11&12	J-13
F6-7.0	Crossfeed Screw Nut	ALL		D-1	D-1	J-13
F7-4.1	Crush Grind, Valve	40-52101	to 40-53132	D-3&4	D-3&4	J-13
F7-4.2	Crush Grind, Valve	40-53133	to END	D-5	D-5	J-13
F9-2.0	Crush Roller, Idler	ALL		D-9	D-9	J-13
F9-2.1	Crush Roller, Motorized	ALL		D-10	D-10	J-13
F4-7.1	Drive & Spindle	ALL		D-11	D-12	J-13
F2-1.2	Electrical Control Panel	ALL		D-13&14	D-13&14	J-13
F1-4.3	Hydraulic Pump & Tank	40-52101	to 40-53145	E-1&2	E-1&2	J-13
F1-4.3.1	Hydraulic Pump & Tank	40-53146	to END	E-3&4	E-3&4	J-13
F1-4.4	Hydraulic Pump & Tank (Oldsmobile)	See Parts List for Serial No's.		E-7	E-8	J-13
F8-4.1	Motorized Elevating	ALL		E-11&12	E-11&12	J-13
F6-4.2	Pilot Valve	ALL		F-1&2	F-1&2	J-13
F5-1.4	Saddle	ALL		F-5&6	F-5&6	J-13
F5-1.6	Saddle (Oldsmobile)	See Parts List for Serial No's.		F-9	F-10	J-13
F2-2.1.1	Saddle, Hyd. Circuit (Oldsmobile)	See Parts List for Serial No's.		F-11	F-12	J-13
	Selectron	See Fiche J-18				
F4-7.1	Spindle	ALL		D-11	D-12	J-13
F4-6.0	Spindle, Hi Speed Attach.	ALL		G-1	G-2	J-13
F4-5.0	Spindle Adaptors	ALL		G-3	G-4	J-13
F7-5.3	Table	ALL		G-7	G-8	J-13
F7-2.4	Table Feed Cylinder	ALL		G-13&14	G-13&14	J-13
F7-1.3	Table Feed Manual	ALL		A-9&10	A-9&10	J-14
F2-3.0	Valve Panel, Hyd.	ALL		A-13	A-14	J-14
F2-3.0.2	Valve Panel, Hyd. (Oldsmobile)	See Parts List for Serial No's.		B-3	B-4	J-14
F9-3.0	Wheel Balancing Stand	ALL		B-5	B-6	J-14
F4-3.4	Wheel Guard, Std.	ALL		C-3&4	C-3&4	J-13

FICHE NO. J-13 & 14 CLASS Grinder MODEL D10-1 SERIAL NO. 102-54101 TO 102-60163

PAGE NO.	DESCRIPTION	FIRST SERIAL	LAST SERIAL	FRAME NO.		FICHE NO.
				DWG.	P.LIST	
F1-1.5	Final Assembly	ALL		A-5&6	A-5&6	J-13
F8-5.0	Automatic Downfeed Attach.	ALL		A-7&8	A-7&8	J-13
F9-4.0	Automatic Table Reverse Attach.	ALL		A-9	A-10	J-13
F6-3.0.1	Combination Valve	ALL		A-13&14	A-13&14	J-13
F6-1.3	Control Panel	102-54101	to 102-57136	B-1	B-1	J-13
F6-1.3.1	Control Panel	102-57137	to END	B-2	B-2	J-13
F3-1.2.1	Coolant Pump & Tank, Std., & J.I.C.	102-54101	to 102-56122	B-3&4	B-3&4	J-13
F3-1.2.2	Coolant Pump & Tank, Std.	102-56123	to END	B-5&6	B-5&6	J-13
F3-1.2	Coolant Pump & Tank, Cool & Combination	102-54101	to 102-56122	B-7&8	B-7&8	J-13
F3-1.3	Coolant Pump & Tank, Flood	102-56123	to END	B-9&10	B-9&10	J-13
F4-1.3.2	Cool Grind, Guard & Wheel	ALL		B-13&14	B-13&14	J-13
F4-2.0	Cool Grind, Cool & Flood Combination	ALL		C-1&2	C-1&2	J-13
F6-5.3	Crossfeed Cylinder	102-54101	to 102-56132	C-5&6	C-5&6	J-13
F6-5.4	Crossfeed Cylinder	102-56133	to END	C-7	C-7	J-13
F6-6.4.1	Crossfeed Screw	102-54101	to 102-59157	C-11&12	C-11&12	J-13
F6-6.4.2	Crossfeed Screw	102-59158	to END	C-13&14	C-13&14	J-13
F6-7.0	Crossfeed Screw Nut	ALL		D-1	D-1	J-13
F7-4.2	Crush Grind, Valve	102-54101	to 102-56135	D-5	D-5	J-13
F7-4.1.3	Crush Grind, Valve	102-56136	to END	D-7&8	D-7&8	J-13
F9-2.0	Crush Grind, Idler Attach.	ALL		D-9	D-9	J-13
F9-2.1	Crush Grind, Motorized Attach.	ALL		D-10	D-10	J-13
F4-7.1	Drive & Spindle	ALL		D-11	D-12	J-13
F1-4.3.1	Hydraulic Pump & Tank	102-54101	to 102-55118	E-3&4	E-3&4	J-13
F1-4.3.2	Hydraulic Pump & Tank	102-55119	to 102-57141	E-5	E-5	J-13
F1-4.3.3	Hydraulic Pump & Tank	102-57142	to END	E-6	E-6	J-13
F9-1.0.1	Lubrication System	102-56136	to END	E-9&10	E-9&10	J-13
F8-4.1	Motorized Elevating	102-54101	to 102-55114	E-11&12	E-11&12	J-13
F8-4.1.1	Motorized Elevating	102-55115	to END	E-13&14	E-13&14	J-13
F6-4.2.1	Pilot Valve	ALL		F-3&4	F-3&4	J-13
F5-1.5	Saddle	ALL		F-7&8	F-7&8	J-13
F4-7.1	Selectron	See Fiche J-18				
F4-7.1	Spindle	ALL		D-11	D-12	J-13
F4-6.0	Spindle, Hi Speed Attach.	ALL		G-1	G-2	J-13
F4-5.0	Spindle Adaptors	ALL		G-3	G-4	J-13
F7-5.5	Table	102-54101	to 102-57135	G-9&10	G-9&10	J-13
F7-5.5.1	Table	102-57136	to END	G-11&12	G-11&12	J-13
F7-2.4.1	Table Feed Cylinder	102-54101	to 102-56132	A-5&6	A-5&6	J-14
F7-2.4.2	Table Feed Cylinder	102-56133	to 102-57141	A-7	A-7	J-14
F7-2.4.3	Table Feed Cylinder	102-57142	to END	A-8	A-8	J-14
F7-1.2	Table Feed, Manual	ALL		A-11&12	A-11&12	J-14
F2-3.0	Valve Panel, Hyd.	102-54101	to 102-57144	A-13&14	A-13&14	J-14
F2-3.0.1	Valve Panel for Auto. Downfeed	102-57145	to END	B-1&2	B-1&2	J-14
F9-3.0	Wheel Balancing Stand	ALL		B-5	B-6	J-14
F4-4.0	Wheel Guard	ALL		B-7&8	B-7&8	J-14

FICHE NO. J-13&14 CLASS Grinder MODEL D10-3 SERIAL NO. 63-53101 TO 63-59194

PAGE NO.	DESCRIPTION	FIRST SERIAL	LAST SERIAL	FRAME NO.		FICHE NO.
				DWG.	P.LIST	
F1-1.5	Final Assembly	ALL		A-5&6	A-5&6	J-13
F8-5.0	Automatic Downfeed Attach.	ALL		A-7&8	A-7&8	J-13
F9-4.0	Automatic Table Reverse Attach.	ALL		A-9	A-10	J-13
F6-3.0.1	Combination Valve	ALL		A-13&14	A-13&14	J-13
F6-1.3	Control Panel	63-53101	to 63-56175	B-1	B-1	J-13
F6-1.3.1	Control Panel	63-56176	to END	B-2	B-2	J-13
F3-1.2.1	Coolant Pump & Tank, Std. & J.I.C.	63-53101	to 63-54142	B-3&4	B-3&4	J-13
F3-1.2.2	Coolant Pump & Tank, Std. & J.I.C.	63-54143	to END	B-5&6	B-5&6	J-13
F3-1.2	Coolant Pump & Tank, Cool & Combination	63-53101	to 63-56176	B-7&8	B-7&8	J-13
F3-1.3	Coolant Pump & Tank, Flood	63-56177	to END	B-9&10	B-9&10	J-13
F4-1.3.2	Cool Grind, Guard & Wheel	63-53101	to 63-56176	B-13&14	B-13&14	J-13
F4-3.4	Cool Grind, Flood & Std.	63-53101	to 63-56176	C-3&4	C-3&4	J-13
F6-5.3	Crossfeed Cylinder	63-53101	to 63-56173	C-5&6	C-5&6	J-13
F6-5.4	Crossfeed Cylinder	63-56174	to END	C-7	C-7	J-13
F6-6.4.1	Crossfeed Screw	ALL		C-11&12	C-11&12	J-13
F6-7.0	Crossfeed Screw Nut	ALL		D-1	D-1	J-13
F7-4.2	Crush Grind, Valve	63-53101	to 63-56176	D-5	D-5	J-13
F7-4.1.3	Crush Grind, Valve	63-56177	to END	D-7&8	D-7&8	J-13
F9-2.0	Crush Roller, Idler Attach.	ALL		D-9	D-9	J-13
F9-2.1	Crush Roller, Motorized Attach.	ALL		D-10	D-10	J-13
F4-7.1	Drive & Spindle	ALL		D-11	D-12	J-13
F1-4.3.1	Hydraulic Pump & Tank	63-53101	to 63-55161	E-3&4	E-3&4	J-13
F1-4.3.2	Hydraulic Pump & Tank	63-55162	to 63-57179	E-5	E-5	J-13
F1-4.3.3	Hydraulic Pump & Tank	63-57180	to END	E-6	E-6	J-13
F9-1.0.1	Lubrication System	63-56175	to END	E-9&10	E-9&10	J-13
F8-4.1	Motorized Elevating	63-53101	to 63-55151	E-11&12	E-11&12	J-13
F8-4.1.1	Motorized Elevating	63-55152	to END	E-13&14	E-13&14	J-13
F6-4.2.1	Pilot Valve	ALL		F-3&4	F-3&4	J-13
F5-1.4	Saddle	63-53101	to 63-54142	F-5&6	F-5&6	J-13
F5-1.5	Saddle	63-54143	to END	F-7&8	F-7&8	J-13
F4-7.1	Selectron Spindle	See Fiche J-18				
F4-6.0	Spindle, Hi Speed Attach.	ALL		D-11	D-12	J-13
F4-5.0	Spindle Adaptors	ALL		G-1	G-2	J-13
F7-5.3	Table	63-53101	to 63-53142	G-3	G-4	J-13
F7-5.5	Table	63-53143	to 63-57177	G-7&8	G-7&8	J-13
F7-5.5.1	Table	63-57178	to END	G-9&10	G-9&10	J-13
F7-2.4	Table Feed Cylinder	63-53101	to 63-54142	G-11&12	G-11&12	J-13
F7-2.4.1	Table Feed Cylinder	63-54143	to 63-56168	G-13&14	G-13&14	J-13
F7-2.4.2	Table Feed Cylinder	63-56169	to 63-57180	A-5&6	A-5&6	J-14
F7-2.4.3	Table Feed Cylinder	63-57181	to END	A-7	A-7	J-14
F7-1.3	Table Feed, Manual	63-53101	to 63-56174	A-8	A-8	J-14
F7-1.2	Table Feed, Manual	63-56175	to END	A-9&10	A-9&10	J-14
F2-3.0	Valve Panel, Hyd.	63-53101	to 63-57183	A-11&12	A-11&12	J-14
F2-3.0.1	Valve Panel, for Auto. Downfeed	63-57184	to END	A-13	A-14	J-14
F9-3.0	Wheel Balancing Stand	ALL		B-1&2	B-1&2	J-14
F4-3.4	Wheel Guard	63-53101	to 63-56176	B-5	B-6	J-14
F4-4.0	Wheel Guard	63-56177	to END	C-3&4	C-3&4	J-13
				B-7&8	B-7&8	J-14

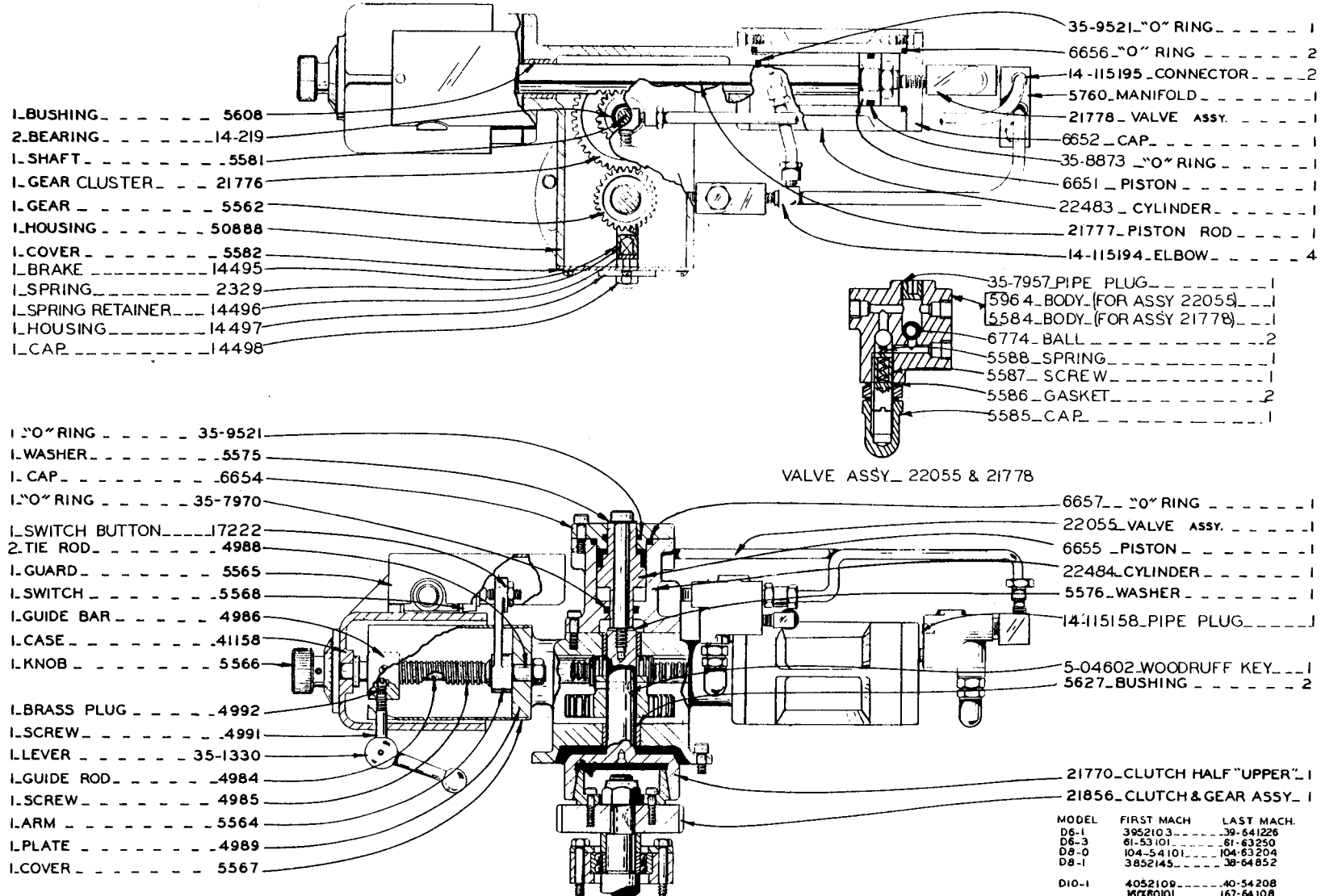


FT-1.5

PRINTED IN USA

MODEL D-10 GRINDERS
A-5 & 6

MODEL	FIRST MACH	LAST MACH
D10-0	166-60101	166-64109
D10-1	102-54101	102-60163
	167-60101	167-64108
D10-3	63-53101	63-59194
	168-60101	168-64137
D104	169-60101	169-64130



VALVE ASSY_ 22055 & 21778

MODEL - D-6 D-8, D-10
 AUTOMATIC DOWN FEED ASSEMBLY-50887

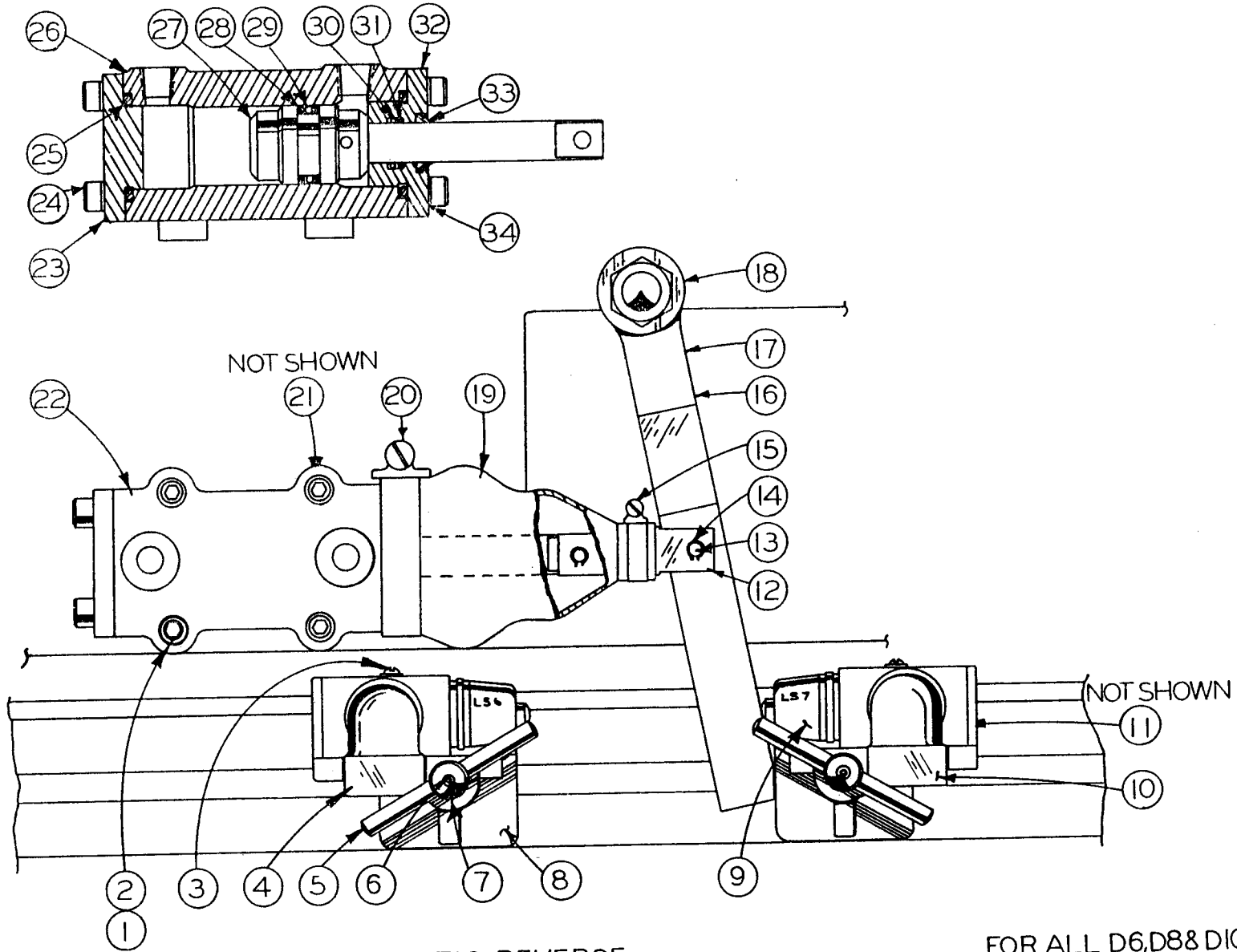
MODEL	FIRST MACH.	LAST MACH.
D6-1	3952103	39-641226
D6-3	61-53101	61-63250
D8-0	104-54101	104-63204
D8-1	3852145	38-64852
D10-1	4052109	40-54208
	16780101	167-64108
D10-3	4052106	40-54208
	166-60101	166-64137
D10-0	166-65101	166-64109
D10-4	169-60101	169-64150

F8-5.0

PRINTED IN U.S.A.

F9-4.0

PRINTED IN U.S.A.



AUTOMATIC REVERSE ASS'Y

FOR ALL D6,D8&D10 MACHINES

TITLE

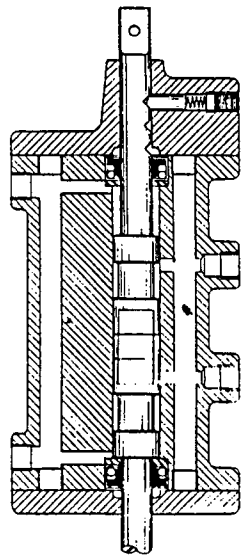
F9-4.0

AUTOMATIC REVERSE ASS'Y.

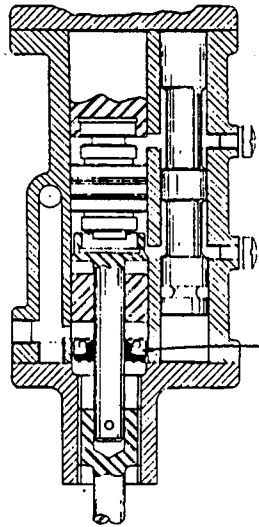
CODE NO.

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.		
			1 2 3 4 5 6 7		
	51887	Automatic Reverse Ass'y.		1	
1	198249	. Soc. Hd. Cap Scr. 1/4-20NC x 2 1/2		4	
2	199321	. Washer, Lock 1/4 Std.		4	
3	198848	. Rd. Hd. Mach. Scr. #6-32NC x 1 3/8		4	
4	8438	. Sealite Connector		2	
5	8892	. Cross Rod		2	
6	198410	. Soc. Hd. Set Scr. #10-24NC x 1/4		2	
7	8887	. Extension Rod		2	
8	23628	. Rear Trip Dog		1	
9	35-9488	. Limit Switch		2	
10	23627	. Front Trip Dog		1	
11	8889	. "T" Bolt (not shown)		2	
12	15934	. Link		1	
13	15943	. Pin		2	
14	4617	. Retaining Ring		4	
15	17901	. Hose Clamp		1	
16	22566	. Lever Assembly		1	
17	9694	. . Handle		1	
18	14-485	. . Hub		1	
19	27048	. Cover		1	
20	15935	. Hose Clamp		1	
21	197260	. Washer, Flat 1/4 Std. (not shown)		4	
22	23640	. Cylinder Ass'y.		1	
23	8877	. . Rear Cover		1	
24	198238	. . Soc. Hd. Cap Scr. 1/4-20NC x 5/8		8	
25	2278	. . "O" Ring		2	
26	23626	. . Cylinder Housing		1	
27	8893	. . Piston Assembly		1	
28	8012	. . Backup Ring		2	
29	35-7970	. . "O" Ring		1	
30	35-8727	. . "O" Ring		1	
31	8020	. . Backup Ring		1	
32	8876	. . Packing Head		1	
33	15065	. . Scraper Ring		1	
34	199321	. . Washer, Lock 1/4 Std.		8	

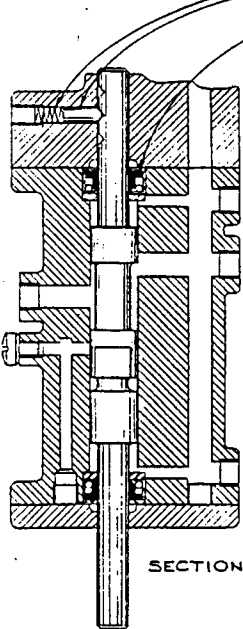
F6-3.0



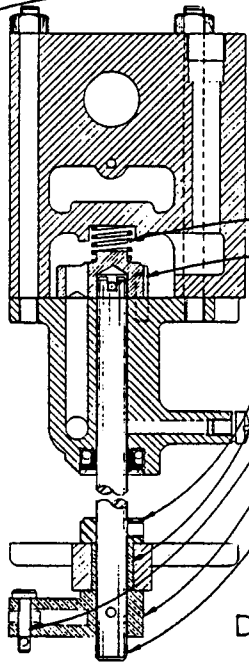
SECTION 'A-A'



SECTION 'B-B'



SECTION 'C-C'



SECTION 'D-D'

14-115216 -OIL SEAL ----- 1

14-15419-SPRING ----- 2

14-285-PIN ----- 2

14-115215-OIL SEAL ----- 5

2 SCREW ----- 14-235

2 SPRING ----- 14-253

2 BALL ----- 5-03502

2 PIN ----- 14-300

35-835-SPRING ----- 1

22761-DISC & PIN ASS'Y ----- 1

14-305-COLLAR ----- 2

14-252-OILITE ----- 2

14-272-PIN ----- 2

14-273-LEVER ----- 1

1-SHAFT ----- 14-256

14-304-SHAFT ----- 1

1-LINK ----- 14-274

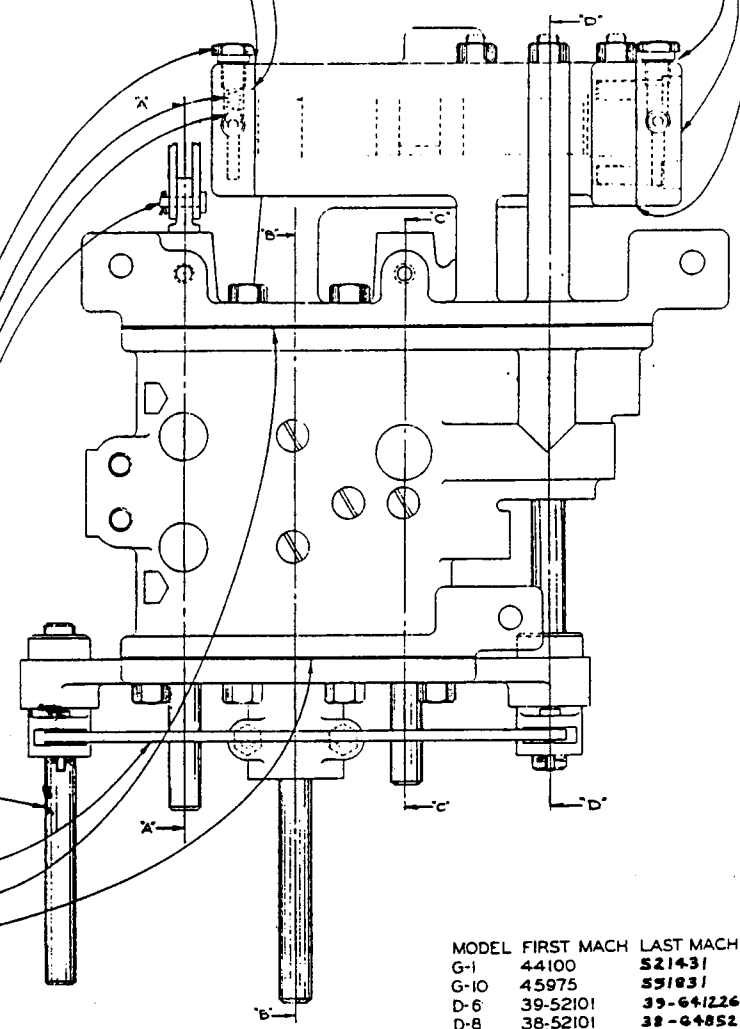
14-307-REAR GASKET ----- 1

14-306-FRONT GASKET ----- 1

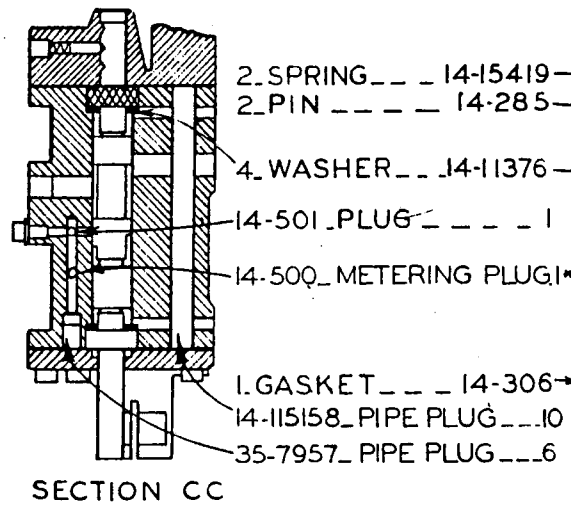
D-10, G-10 & D-8 - 35-5150-A
G-1 & D-6 - 35-5090

COMBINATION VALVE ASSEMBLY

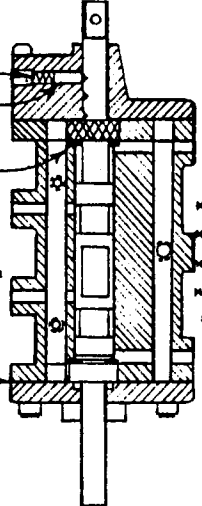
14-258-GASKET_L.H. --- 1
14-238-COVER_L.H. --- 1
1-GASKET_R.H. --- 3417
1-COVER_R.H. --- 20867
14-234-GASKET --- 2



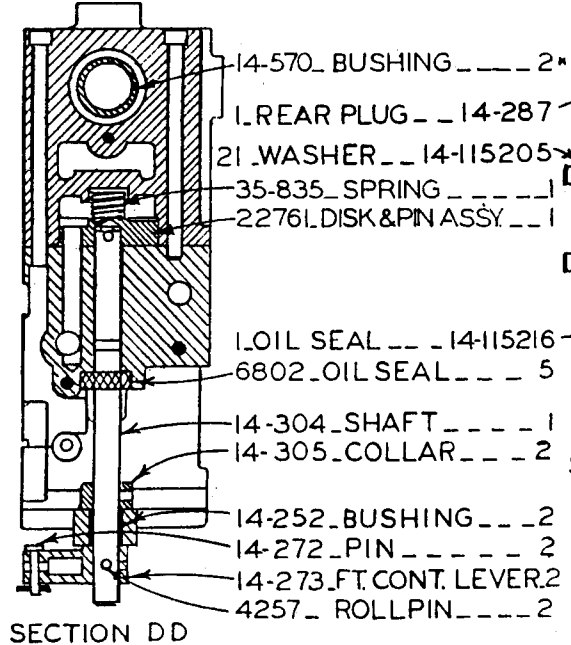
MODEL	FIRST MACH	LAST MACH
G-1	44100	521431
G-10	45975	551831
D-6	39-52101	39-641226
D-8	38-52101	38-64852
D-10	40-52101	40-54208



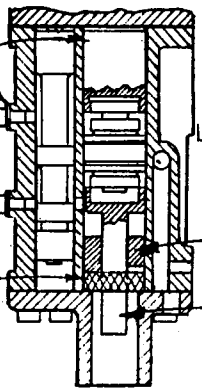
SECTION CC



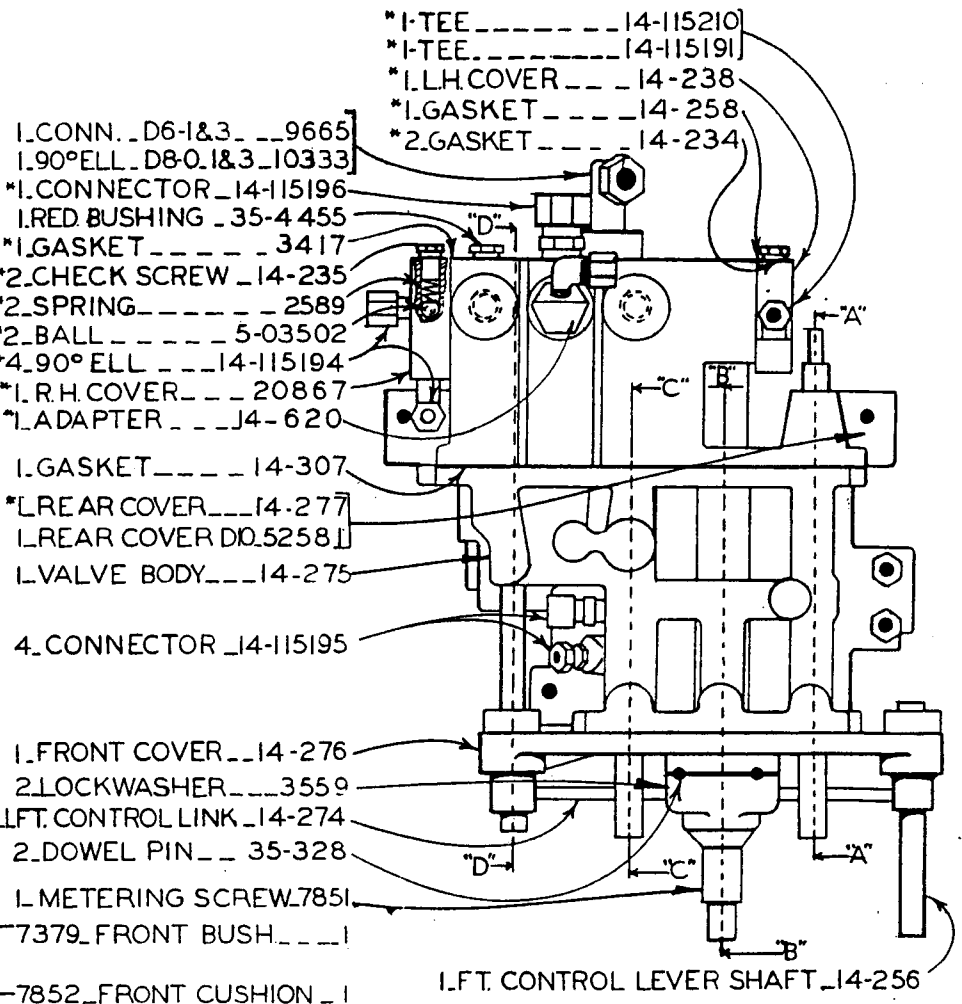
SECTION AA



SECTION DD



SECTION BB



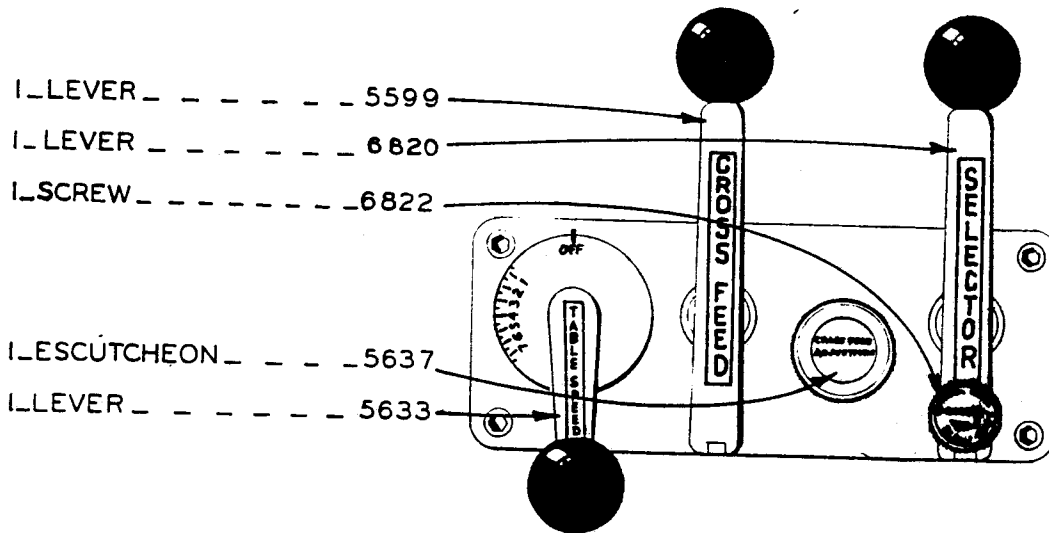
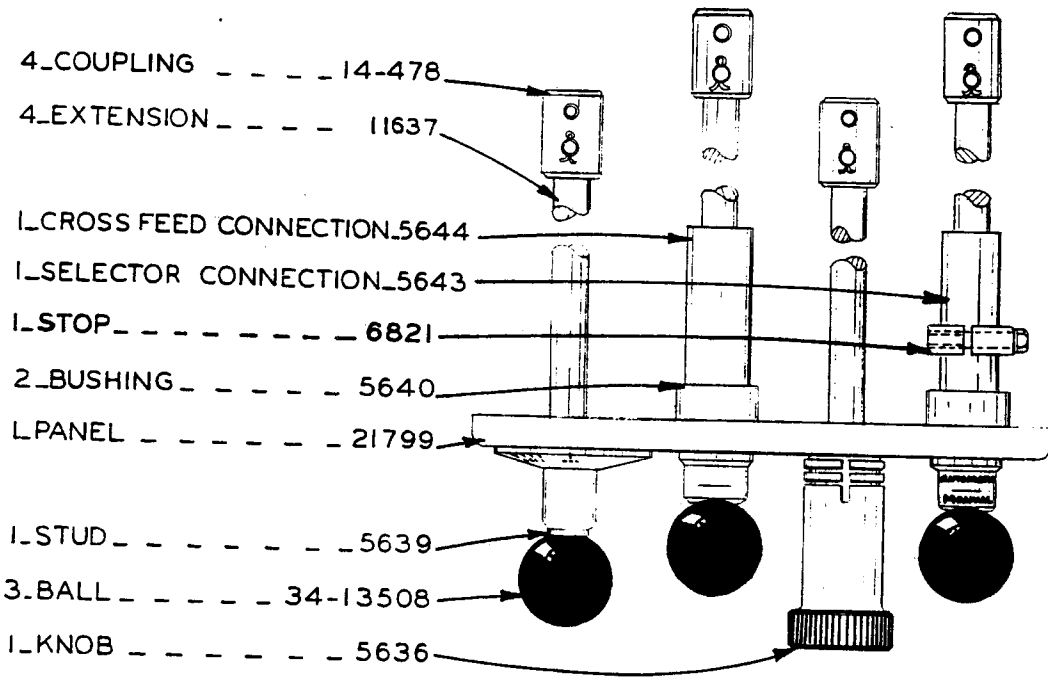
VALVE ASSY. COMPLETE
 D6-1, D6-3, MTA-70 & 70ID... 35-5090A
 D8-0, D8-1, D8-3... 52102
 D10... 52657

* NOTE: THESE PARTS ARE NOT INCLUDED IN THE FOLLOWING MODELS D10-0, 1, 3 & 4

MODEL	FIRST MACH.	LAST MACH.
MTA-7	158-59101	158-60109
MTA-70	178-6001	178-74111
D10-3	63-53101	63-54142
D10-4	166-60101	168-64137
7010	189-80101	169-64130
D6-1	197-61101	197-74255
D6-3	39-52101	39-641226
D8-3	61-53101	61-63250
D8-0	104-54101	104-63204
D8-1	38-52101	38-64852
D8-3	101-54101	101-63209
D10-1	102-54101	102-60163
D10-1	167-60101	167-64108
D10-0	166-60101	166-64109

COMBINATION VALVE ASSEMBLY

REV. 1-20-53 3-1-65



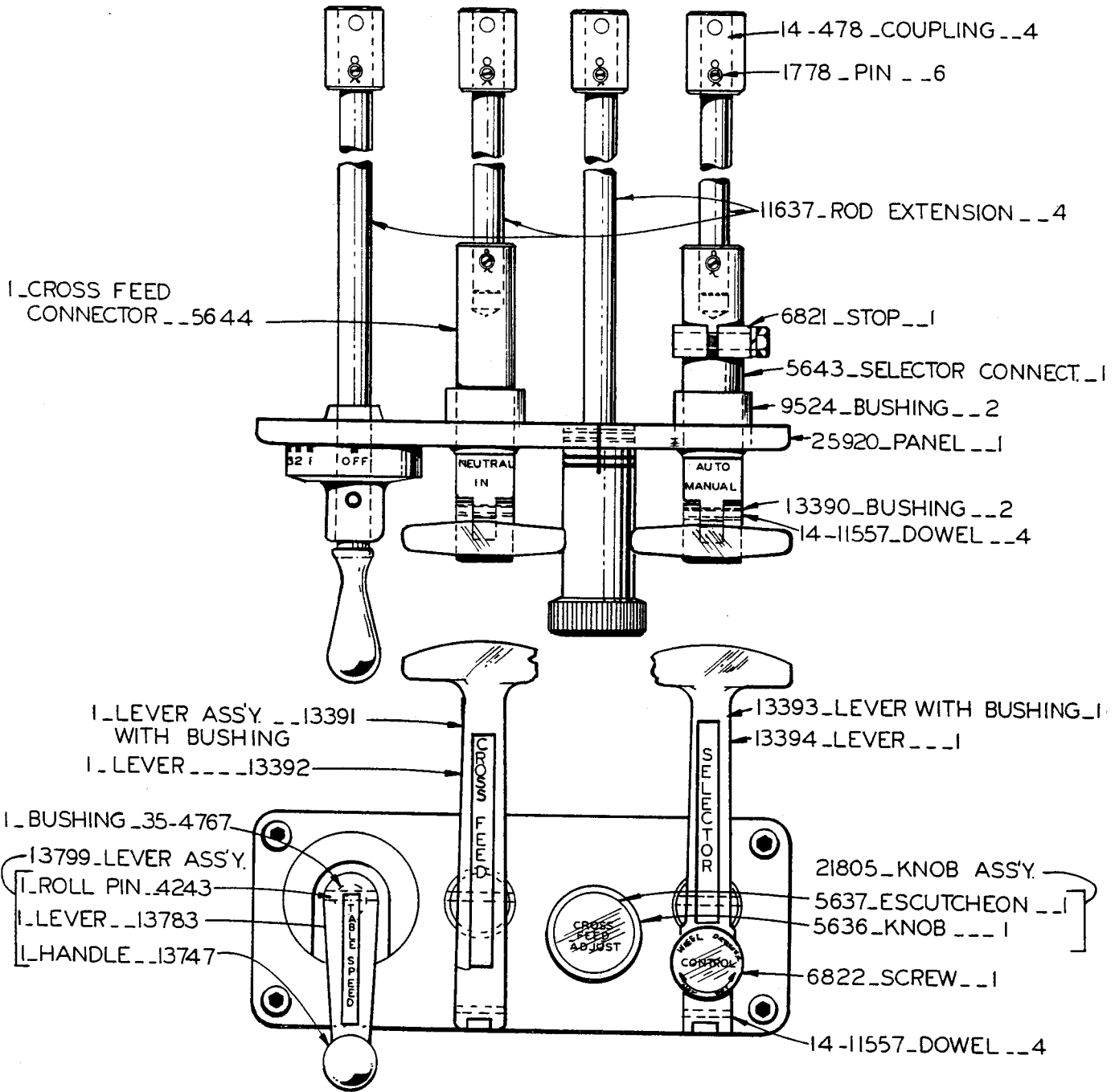
H.G.K.
2-1-52

MODEL D-8 & D-10
CONTROL PANEL

F6-1.3

MODEL	FIRST MACH	LAST MACH
D-8-1	38-52101	38-57664
D-10	40-52101	40-54208
D-10-1	102-54101	101-57136
D8-0	104-54101	104-57126

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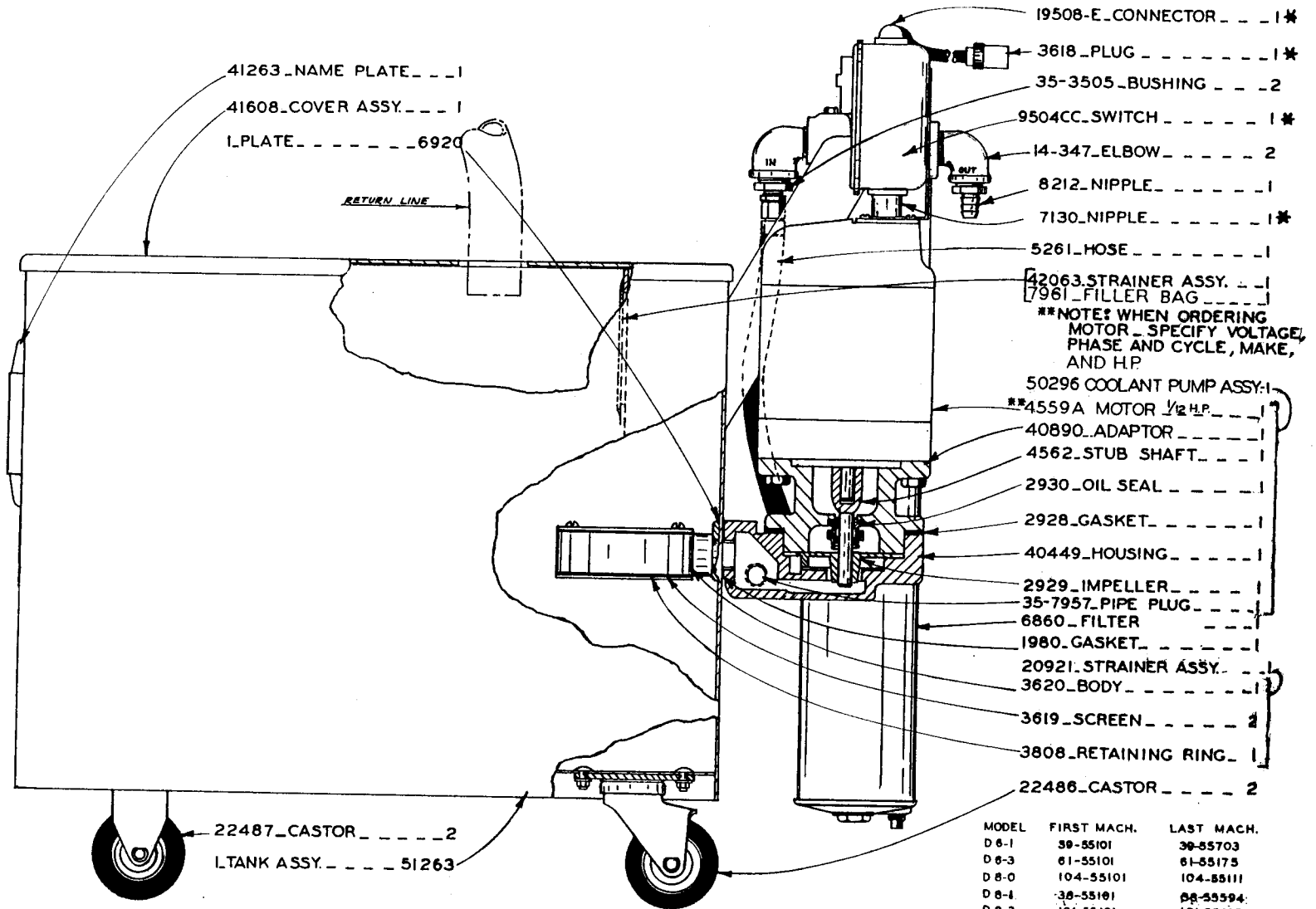


MODEL D8 & D10
 CONTROL PANEL

MODEL	FIRST MACH.	LAST MACH.
D 8-1	38-57665	38-64852
D 10-1	102-57137	102-60163
	167-60101	167-64108
D8-3	101-56126	101-63209
D10-3	63-56176	63-59194
	168-60101	168-64137
D10-4	169-60101	169-64130
D10-0	166-60101	166-64109
D8-0	104-57127	104-63204

F6-1.3.1

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MODEL	FIRST MACH.	LAST MACH.
D 6-1	59-55101	59-55703
D 6-3	61-55101	61-55175
D 8-0	104-55101	104-55111
D 8-1	38-55101	58-55594
D 8-3	101-55101	101-55110
D10-1	102-55101	102-56122
D10-3	63-53101	63-54142

* NOTE: STARRED ITEMS ARE NOT INCLUDED IN ASSY. 42703

STANDARD ASSY. 42703 *
 J.I.C. ASSY. - 42704
 PUMP AND COOLANT TANK ASSY.

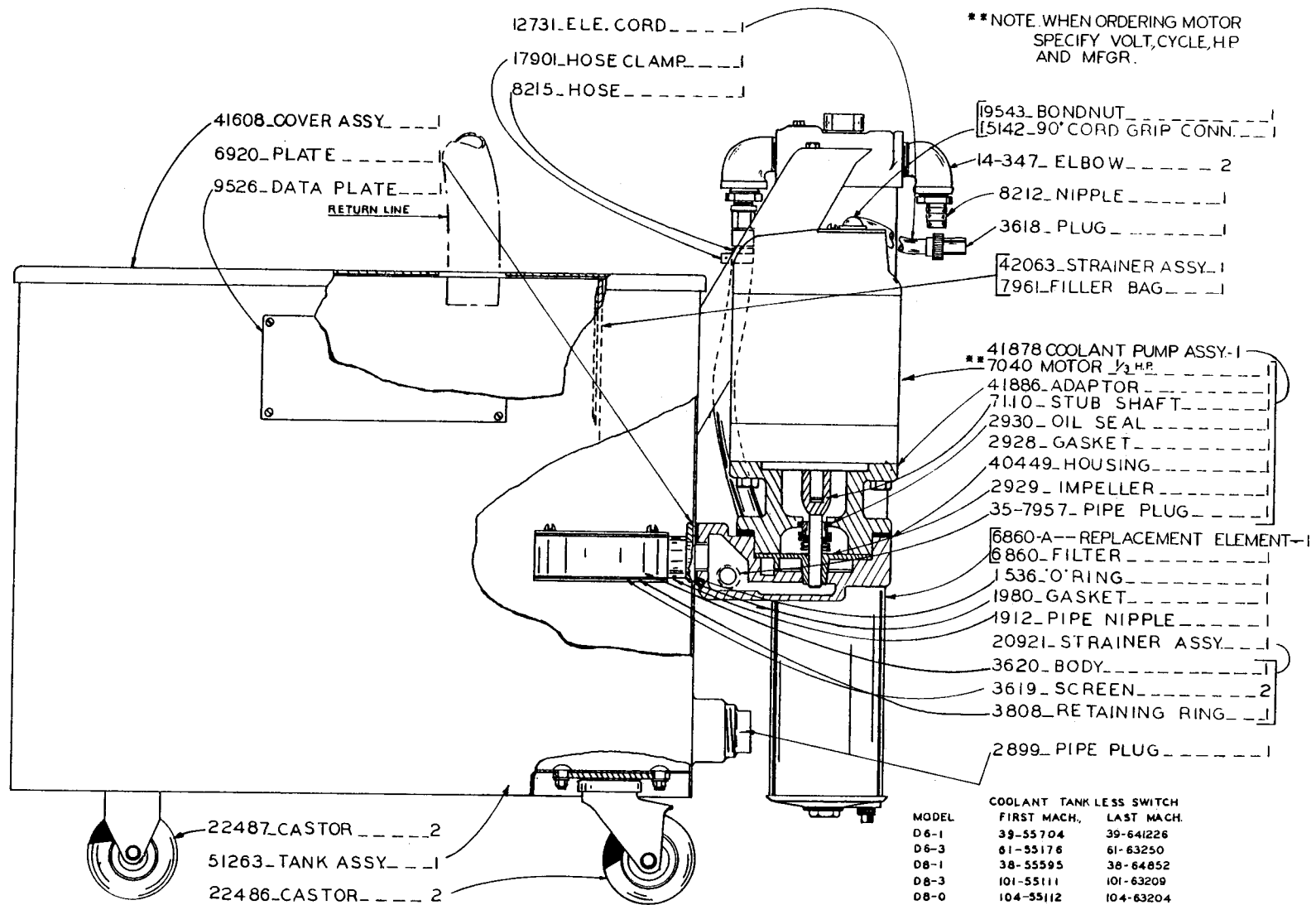
B-3 & 4

F3-121

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F3-1.2.2

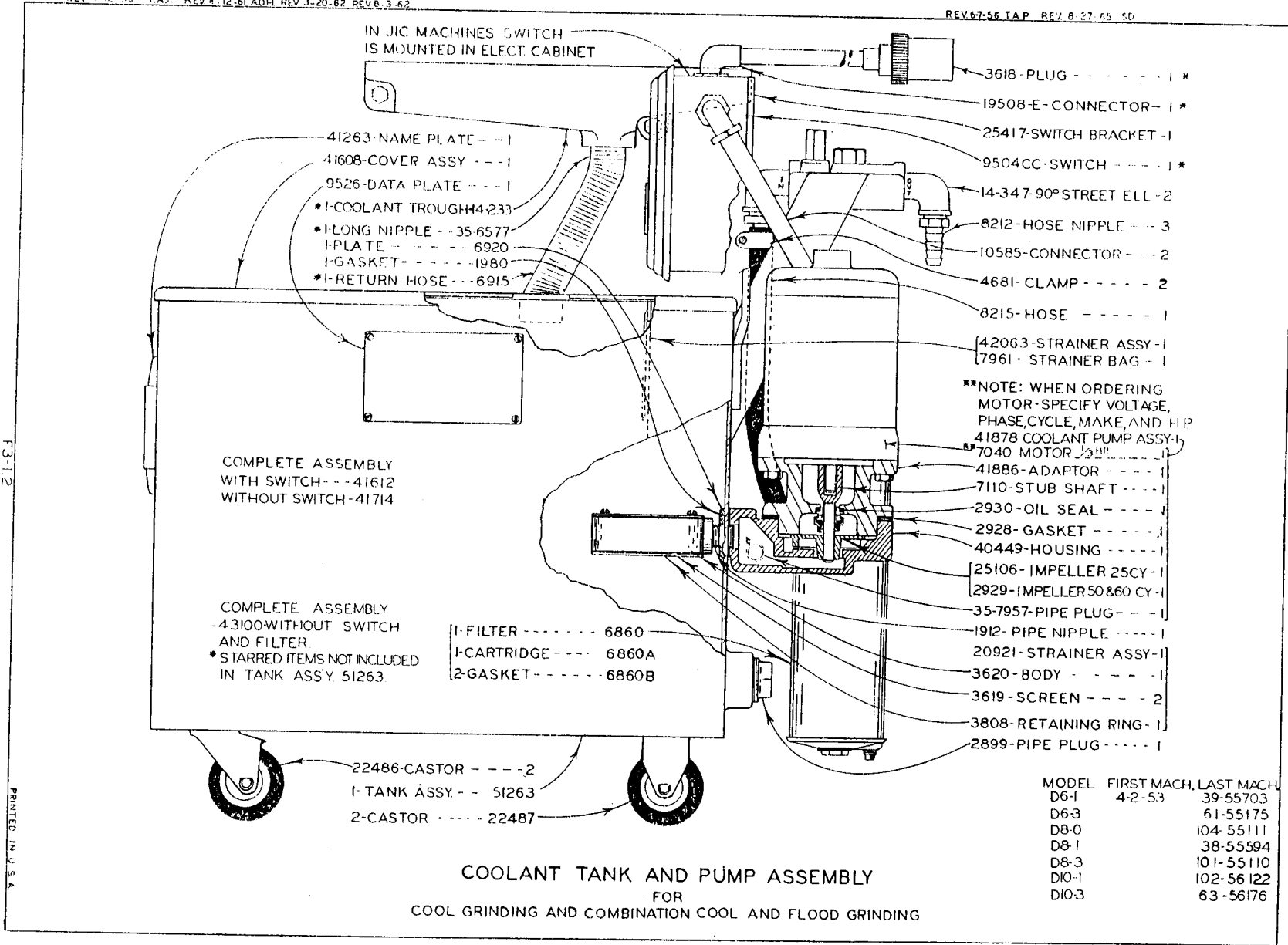
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** NOTE WHEN ORDERING MOTOR SPECIFY VOLT, CYCLE, H.P AND MFR.

MODEL	COOLANT TANK LESS SWITCH	
	FIRST MACH.	LAST MACH.
D6-1	39-55704	39-64126
D6-3	61-55176	61-63250
D8-1	38-55595	38-64852
D8-3	101-55111	101-63209
D8-0	104-55112	104-63204
D10-0	166-60101	166-64109
D10-1	102-56123	102-60163
	167-60101	167-64108
D10-3	63-54143	63-59194
	168-60101	168-64137
D10-4	169-60101	169-64130

COMPLETE ASSY PART NO. 41714 COOLANT PUMP AND TANK ASSY.



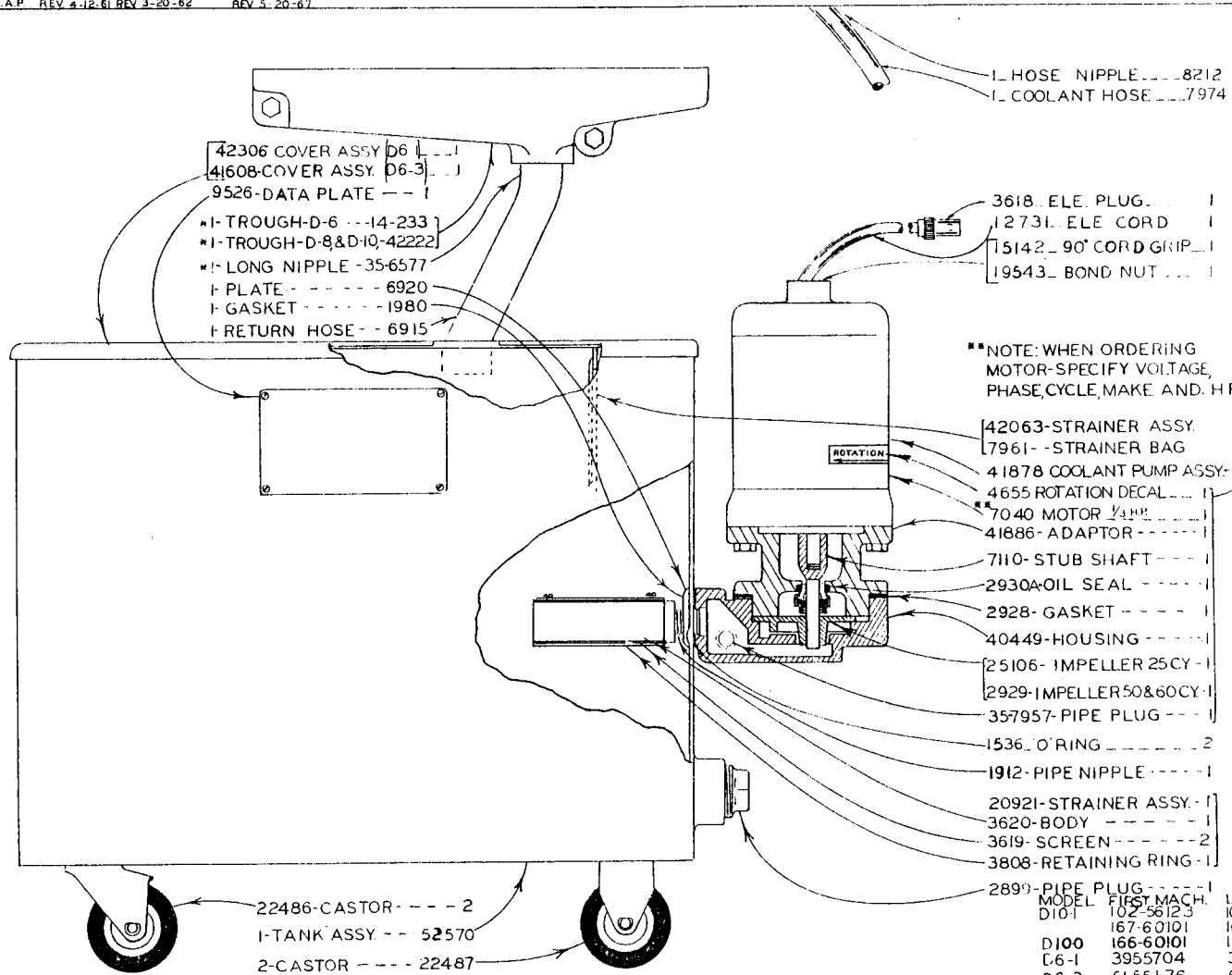
F-3-12

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COOLANT TANK AND PUMP ASSEMBLY
 FOR
 COOL GRINDING AND COMBINATION COOL AND FLOOD GRINDING

F-3-1.3

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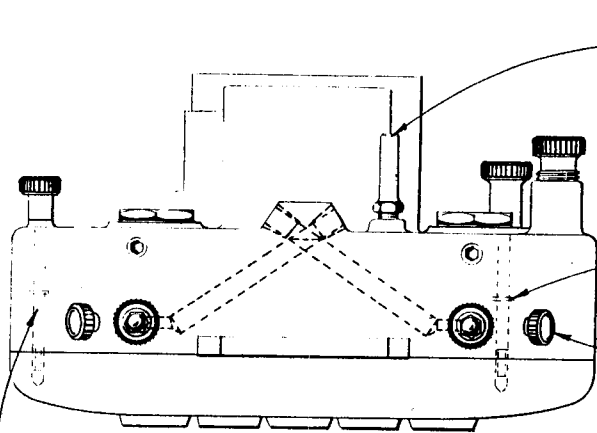


COOLANT TANK & PUMP ASSY. 43100
 * LESS STARRED ITEMS.

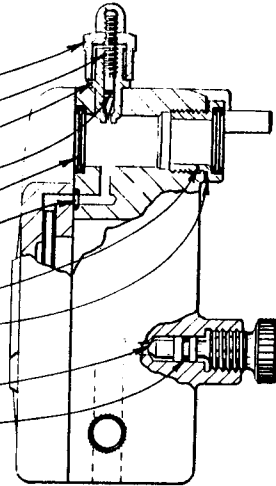
COOLANT TANK AND PUMP ASSEMBLY
 FOR
 FLOOD GRINDING

MODEL	FIRST MACH.	LAST MACH.
D10-1	102-56123	102-60163
	167-60101	167-64108
D100	166-60101	166-64109
C-6-1	3955704	39-641226
D6-3	61-55176	61-63250
D8-1	3855595	38-64852
D8-3	101-55111	101-63209
D8-0	104-55112	104-63204
D10-3	63-55162	63-59194
	168 60101	168-64137
D10-4	169 60101	169-64130

F4-1.31



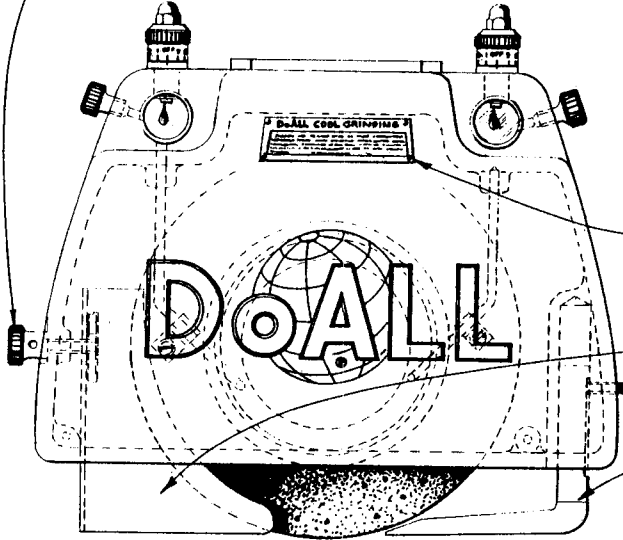
- 2004_NIPPLE _ _ _ _ _ 1
- 2_KNOB _ _ _ _ _ 4940
- 2_VALVE STEM _ _ _ _ 4942
- 2_VALVE BODY _ _ _ _ 5376
- 2_O"RING _ _ _ _ _ 3019
- 4_OIL WINDOW _ _ _ _ 6100
- 1_O"RING _ _ _ _ _ 1512
- 35-8582_RETAINING RING.2
- 2_BUSHING _ _ _ _ _ 5773
- 2_WASHER _ _ _ _ _ 6099
- 5280_VENT SCREW _ _ _ 2
- 1_VALVE _ _ _ _ _ 4950
- 1_O"RING _ _ _ _ _ 4122



- 21933_SCR. ASSY _ _ _ 2
- 22242_SCR.ASSY.10"GUARD.1
- 22080_SCR.ASSY.14"GUARD.1

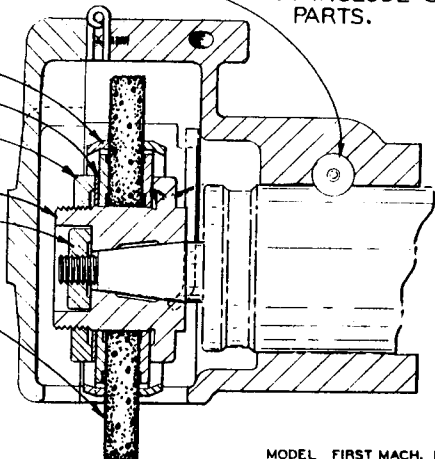
***NOTE: STARRED PARTS ARE INCLUDED IN COMPLETE ADAPTOR ASSY. 42320

*NOTE: WHEEL GUARD ASSY.
10" _ 51100
14" _ 51162



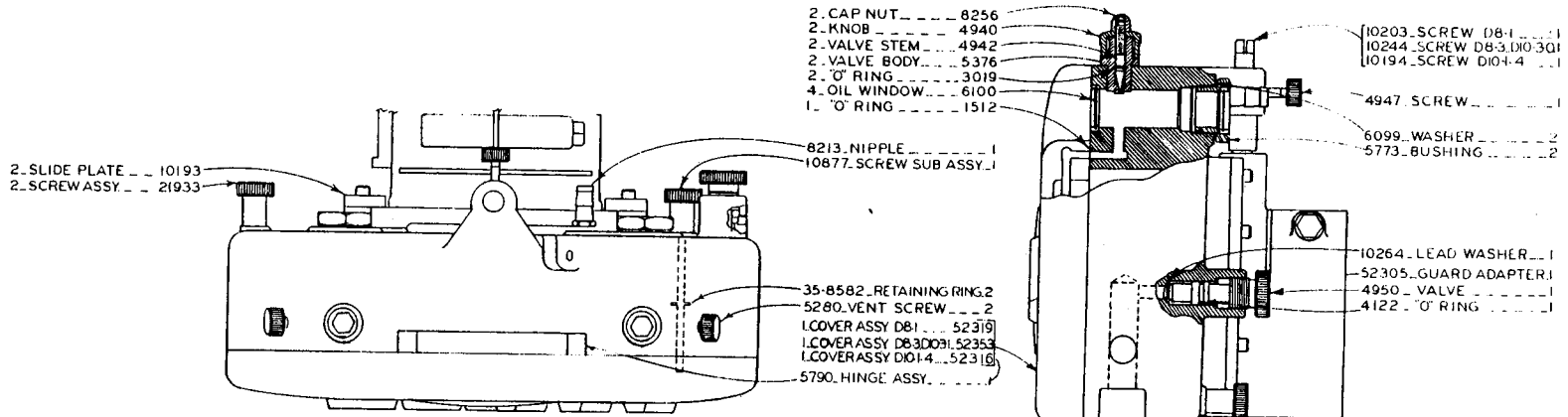
- 1_SPINDLE LOCK NUT _ 6191]*
- 1_SPINDLE LOCK _ _ _ 6190]*
- ***2_ADAPTER _ _ _ 35-8942*
- ***1_LOCKWASHER _ _ _ 6201*
- ***1_LOCKNUT _ _ _ _ 6200*
- 4967_ESCUTCHEON _ _ _ 1
- ***1_WHEEL_ADAPTER _ 21927*
- 1_NOSE NUT _ _ _ _ 6198*
- 21926_SPLASH GUARD _ _ 1*
- 1_10" WHEEL _ _ _ _ 14-06598]*
- 1_14" WHEEL _ _ _ _ 21956]*
- 22081_NOZZLE.10"GUARD.1*
- 21821_NOZZLE.14"GUARD.1

THE ABOVE ASSEMBLIES DO NOT INCLUDE STARRED PARTS.



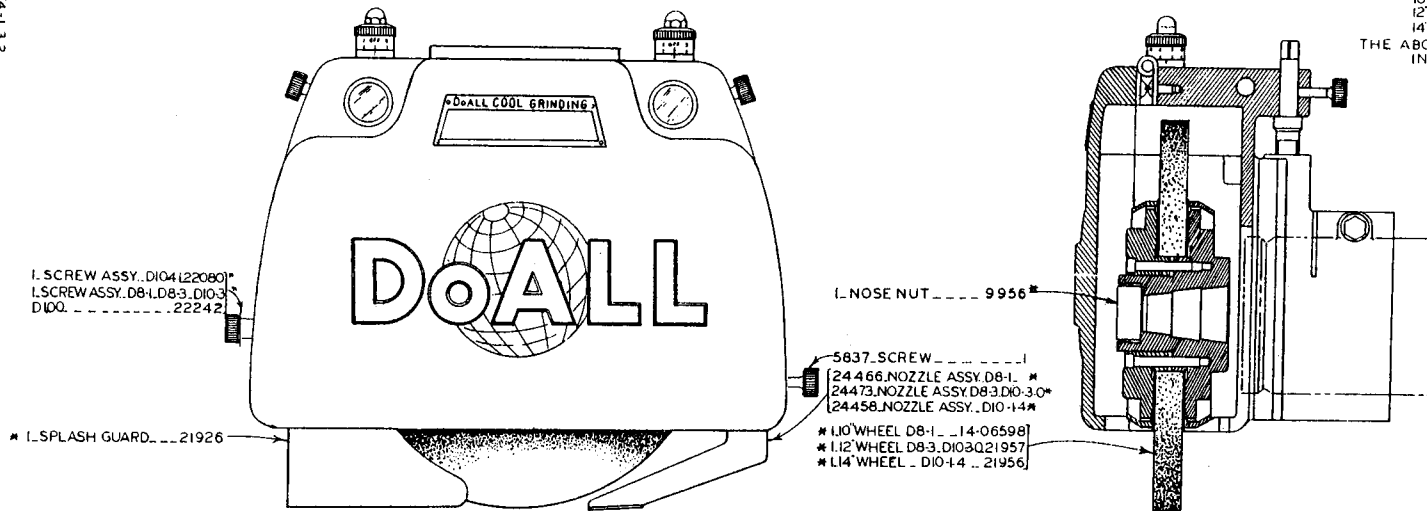
COOL GRINDING
MODELS D-8,D-10

MODEL	FIRST MACH.	LAST MACH.
D-8-1	38-52161	38-56627
D-10	40-52101	40-54209



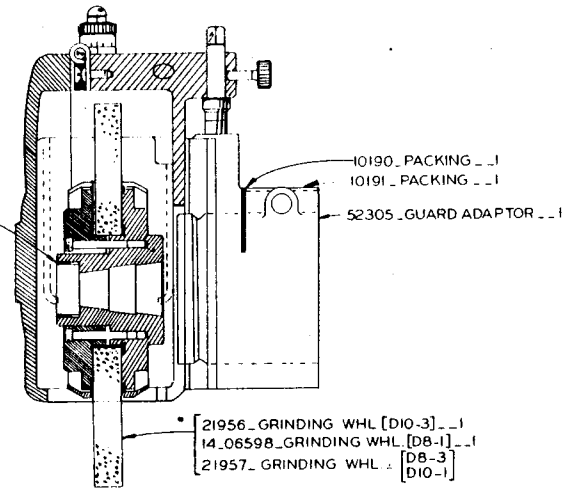
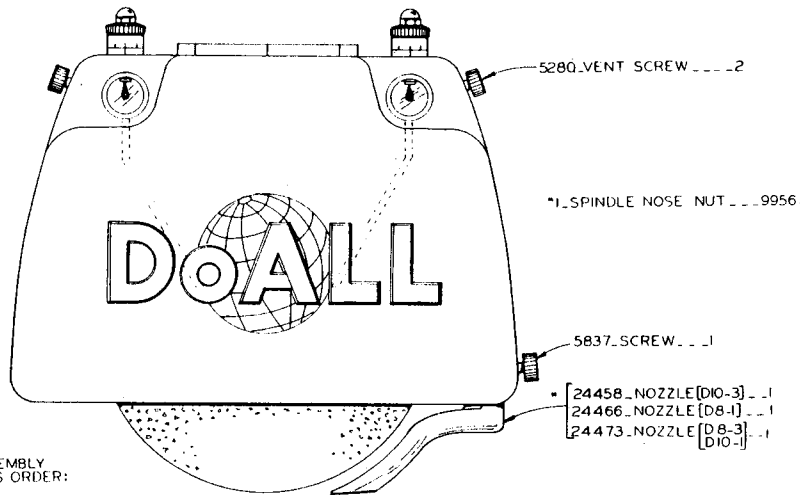
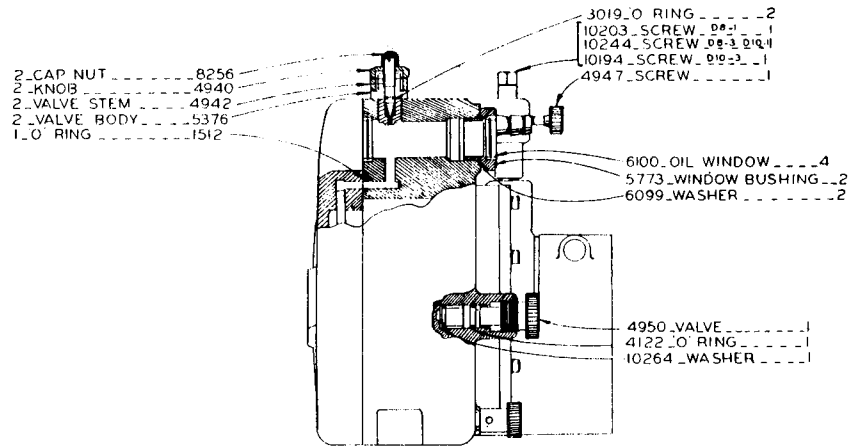
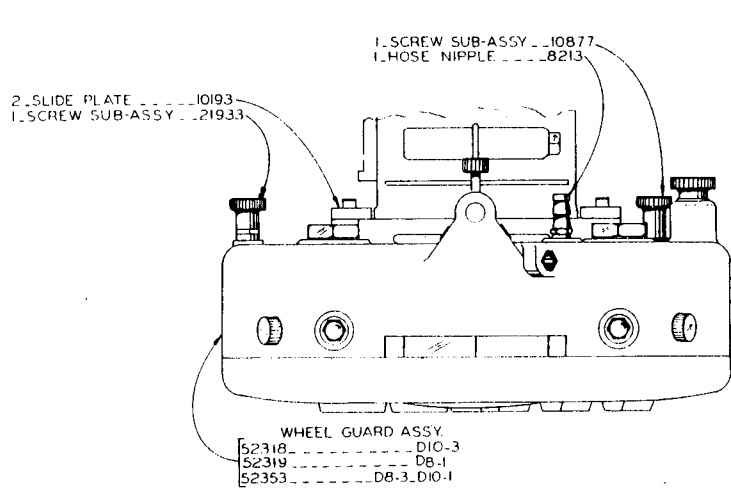
*NOTE: WHEEL GUARD ASSY
 10" WHEEL 52318
 12" WHEEL 52351
 14" WHEEL 52315
 THE ABOVE ASSEMBLIES DO NOT
 INCLUDE STARRED PARTS

F4-132



COOL GRINDING
 MODELS D8-1. D8-3. D10-1. D10-3

MODEL	FIRST MACH	LAST MACH
D10-0	166-60101	166-64109
D10-3	63-56171	63-59194
D8-1	68-60101	168-64137
D8-3	38-56628	38-64852
D10-1	101-55101	101-63209
D10-4	102-55101	102-60163
	167-60101	167-64108
	169-60101	169-64130



NOTE:
FOR COMPLETE ASSEMBLY
LESS STARRED ITEMS ORDER:

DB-1 _ 52318
DB-3 _ 52351
DIO-1 _ 52351
DIO-3 _ 52315

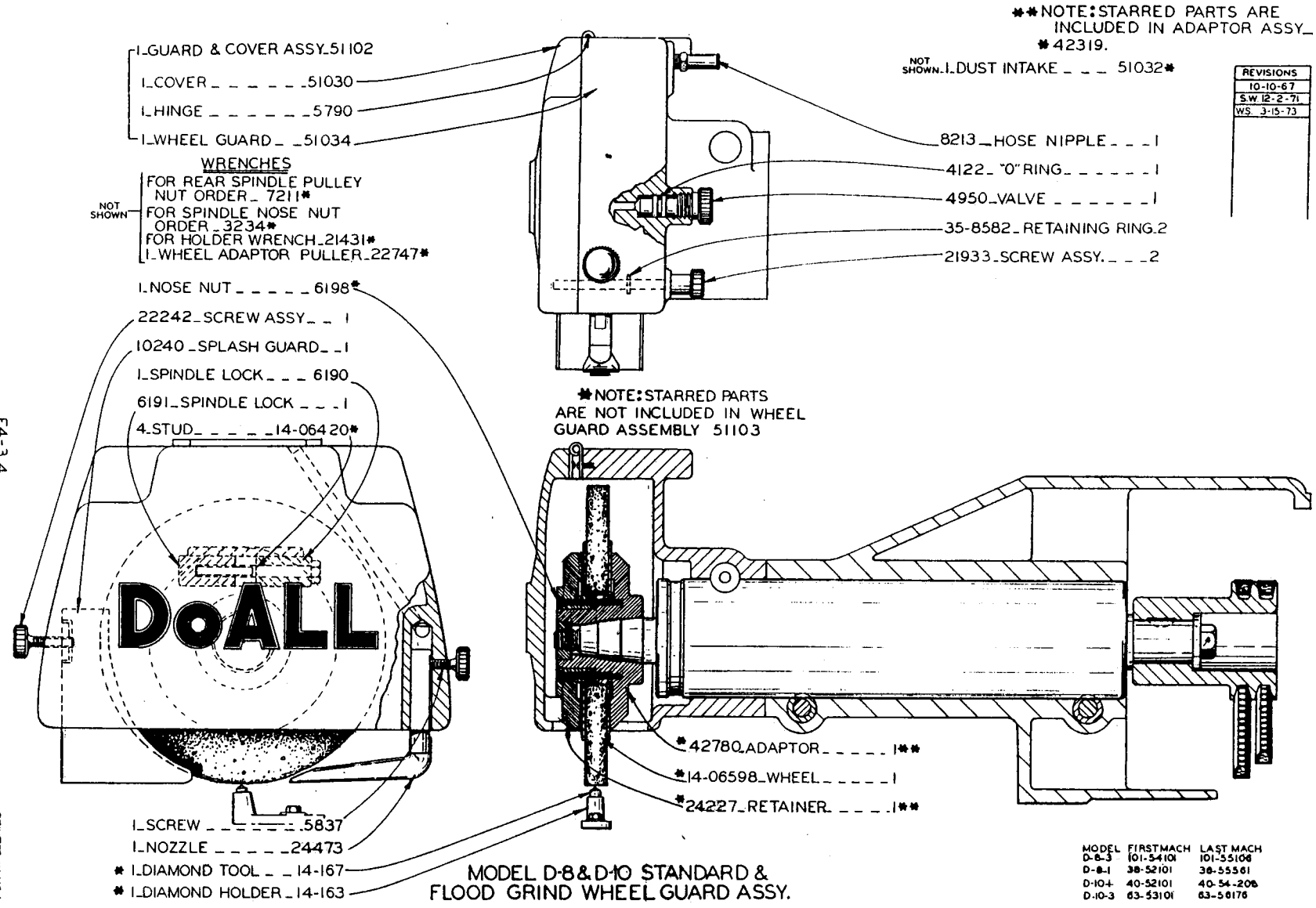
F4-20

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COMBINATION COOL & FLOOD GRINDER UNIT
MODELS DB-1 DB-3 DIO-1 DIO-3

MODEL	FIRST MACH.	LAST MACH.
DB-1	38-58828	38-54832
DB-3	101-54101	101-83209
DIO-1	102-54101	102-80863
DIO-3	63-50171	63-59984

C-1 & 2



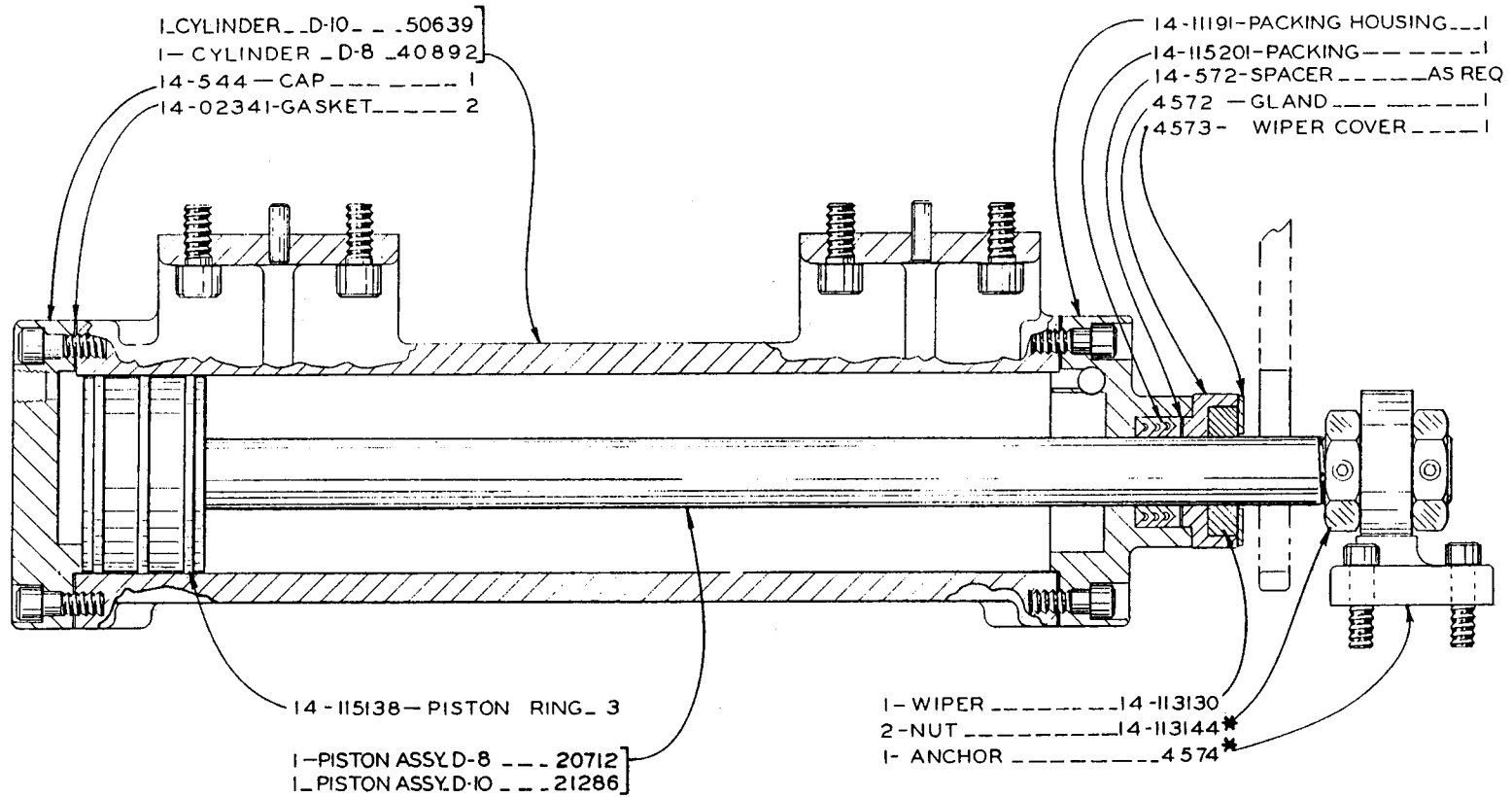
REVISIONS
10-10-67
S.W. 12-2-71
WS. 3-15-73

F4-3-4

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MODEL	FIRST MACH	LAST MACH
D-8-3	101-54101	101-55106
D-8-1	38-52101	38-55581
D-10-4	40-52101	40-54-206
D-10-3	63-53101	63-58176

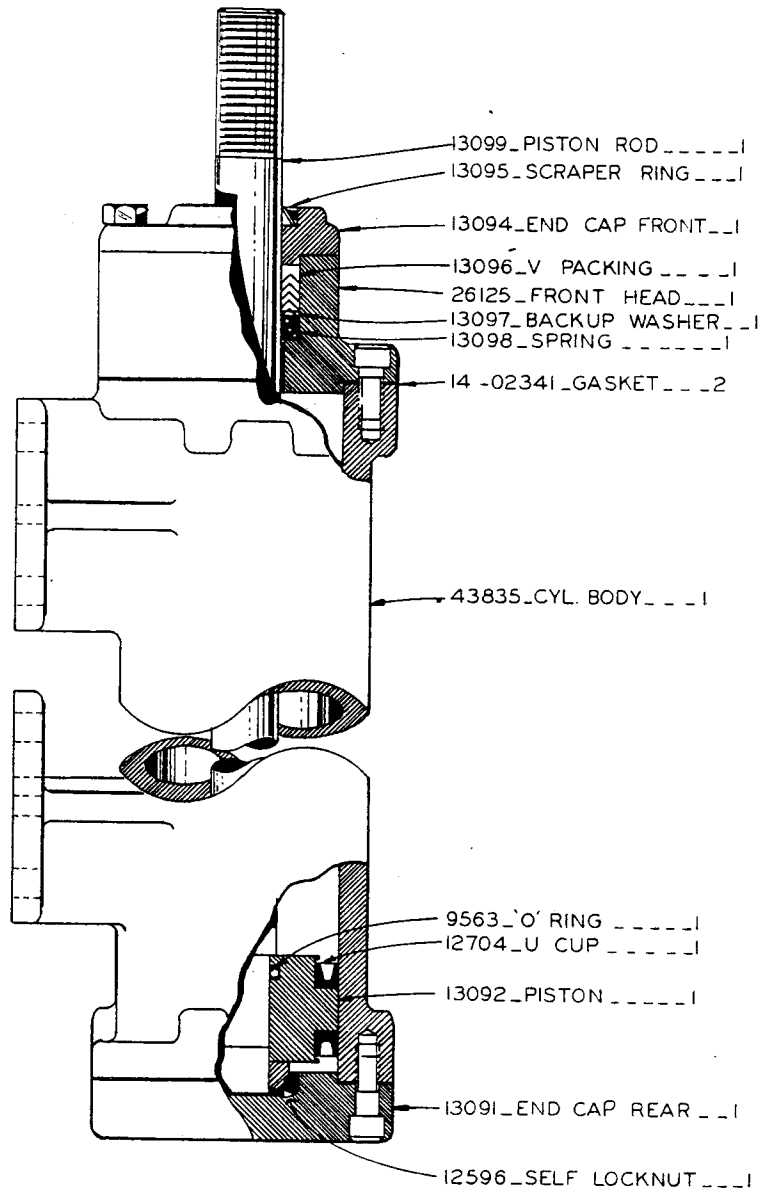
F6-5.3



CROSS FEED CYLINDER ASSEMBLY
D-8_41231
D-10_41996

* NOTE: STARRED PARTS ARE
NOT INCLUDED IN ASSY 41231&41996

MODEL	FIRST MACH	LAST MACH
D-8-0	104-54101	104-56125
D-8-3	62-53101	101-57125
D-8-1	38-52101	38-56648
D-10-1	40-52101	102-56133
D-10-3	63-53101	63-56173



MODEL DIO-1 & DIO-3
 CROSS FEED CYLINDER

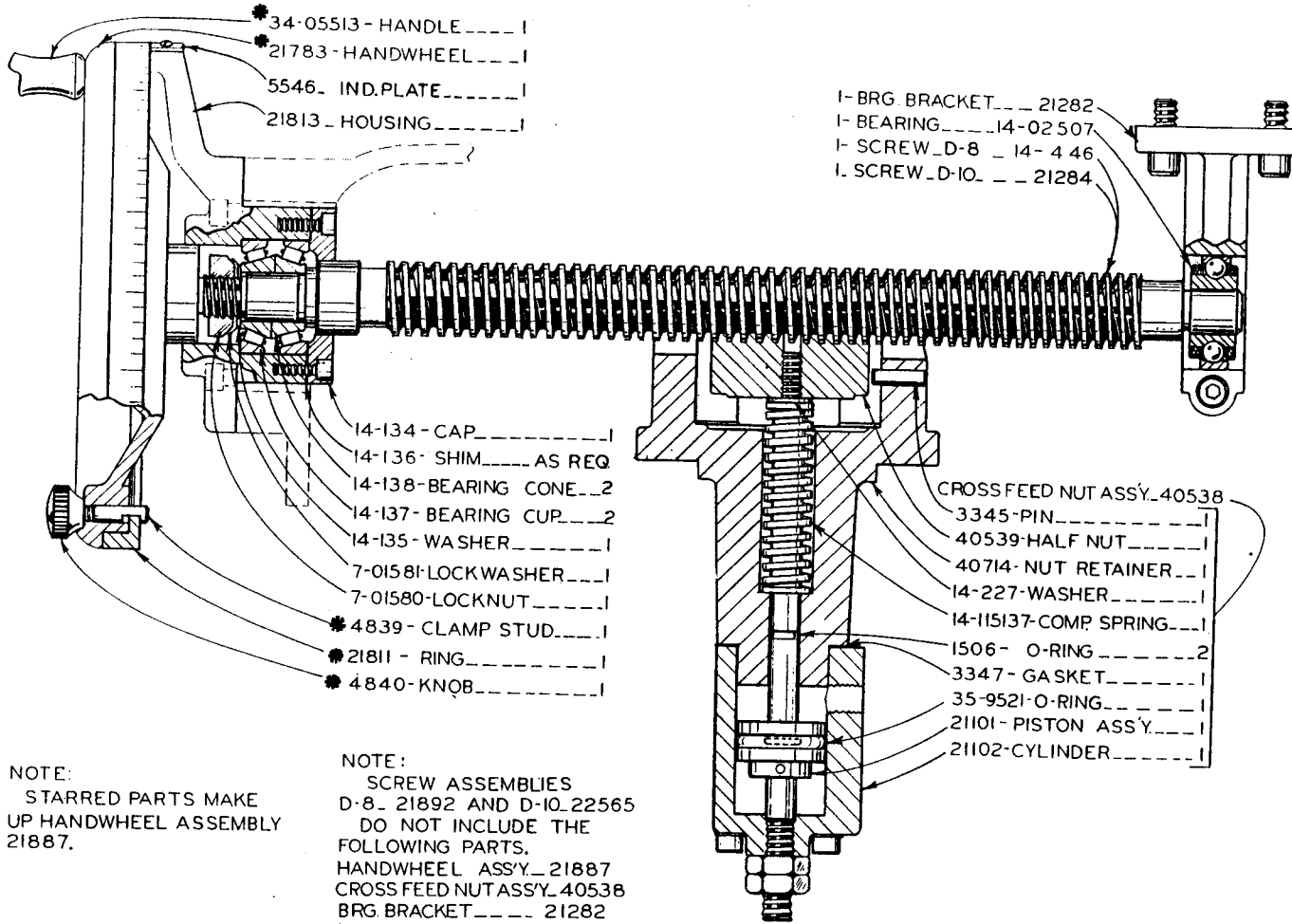
MODEL	FIRST MACH	LAST
DIO-1	102-56133	102-60163
	167-60101	167-61102
DIO-3	63-56173	63-59194
	168-60101	168-61110
DIO-0	166-60101	166-61102
DIO-4	169-60101	169-61113

D.R.W. 11-15-56 REV. 2-23-61 REV. 10-18-61

F6-5.4

FG-6-40

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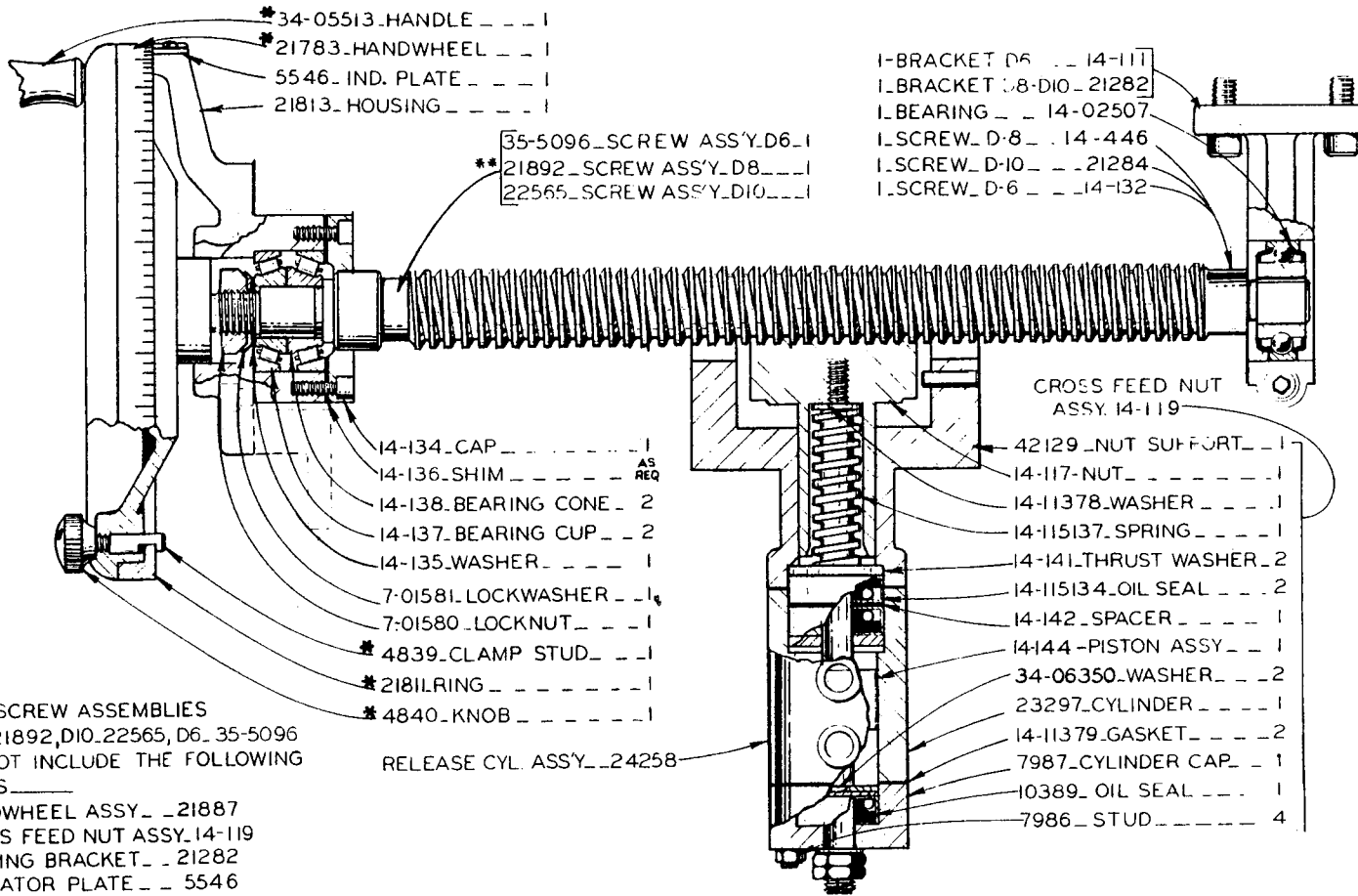
● NOTE:
 STARRED PARTS MAKE
 UP HANDWHEEL ASSEMBLY
 21887.

NOTE:
 SCREW ASSEMBLIES
 D-8 - 21892 AND D-10 - 22565
 DO NOT INCLUDE THE
 FOLLOWING PARTS.
 HANDWHEEL ASS'Y. 21887
 CROSS FEED NUT ASS'Y. 40538
 BRG BRACKET 21282
 IND. PLATE 5546

CROSS FEED SCREW ASS'Y.
 MODEL D-8 & D-10

MODEL	FIRST MACH.	LAST MACH.
D-8	38-22101	38-53308
D-10	40-52101	40-53154

F6-6.41 G5-6.0



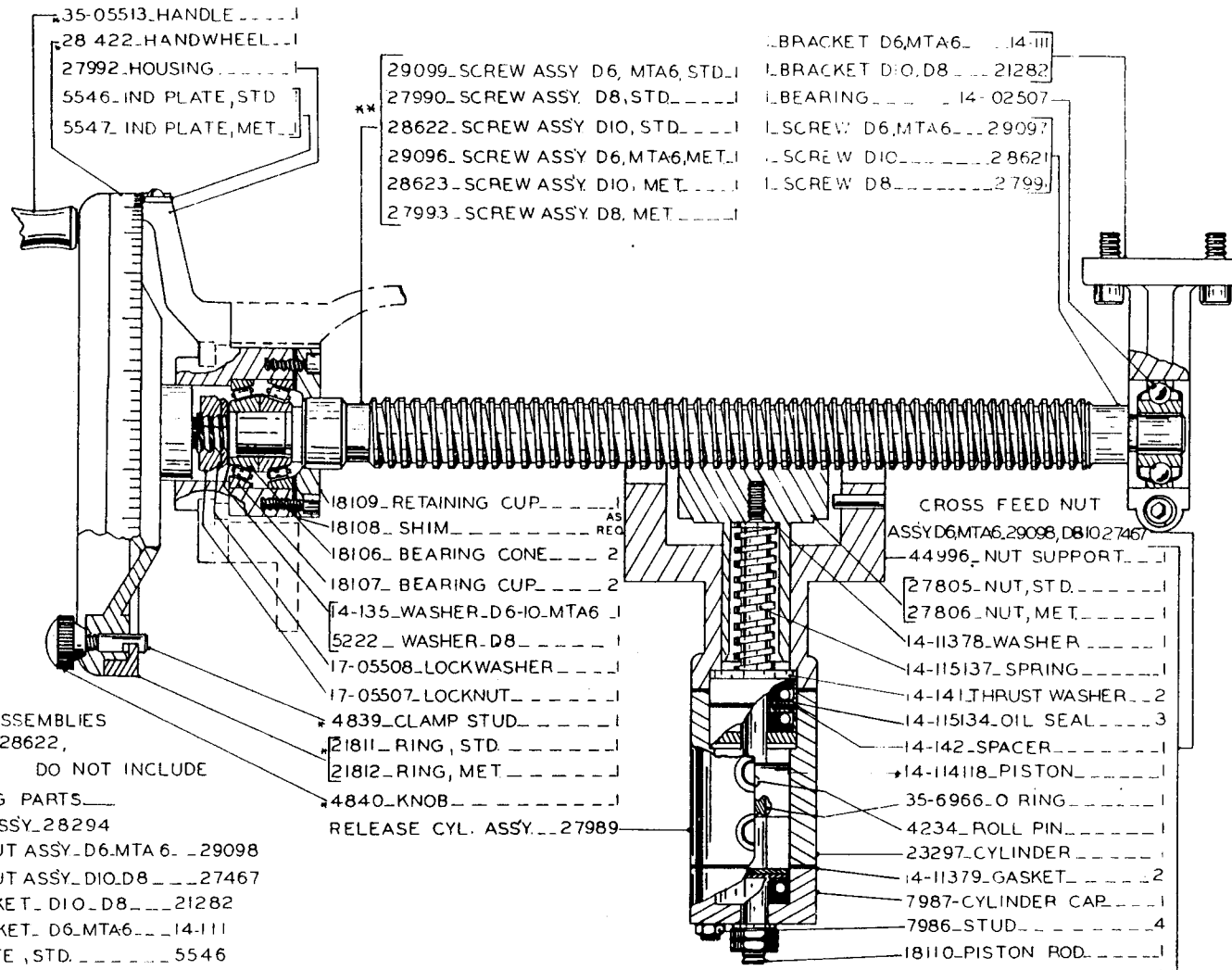
**NOTE: SCREW ASSEMBLIES
 D-8 .21892, D10.22565, D6. 35-5096
 DO NOT INCLUDE THE FOLLOWING
 PARTS _____
 HANDWHEEL ASSY. _ 21887
 CROSS FEED NUT ASSY. 14-119
 BEARING BRACKET _ 21282
 INDICATOR PLATE _ _ 5546

*NOTE: STARRED PARTS MAKE
 UP HANDWHEEL ASSEMBLY
 21887.

MODEL D-6 -- D-8 & D-10 & MTA-1&6
 CROSS FEED SCREW ASSEMBLY

MODEL	FIRST MACH.	LAST MACH.
D10-1	40-53155	40-54209
D8-0	102-54101	102-60163
D8-1	104-54101	102-60163
D6-3	39-53339	39-60116
D8-3	61-53101	61-60225
D8-1	38-53309	38-59733
D8-3	101-54101	101-59163
D10-3	63-53101	63-59194
MTA-1&6	113-55101	113-60200

F6-64.2 G5-60.1



**NOTE: SCREW ASSEMBLIES
 D8-27990, D10-28622,
 D6-MTA6-29099 DO NOT INCLUDE
 THE FOLLOWING PARTS
 HANDWHEEL ASSY_28294
 CROSS FEED NUT ASSY_D6,MTA6...29098
 CROSS FEED NUT ASSY_D10,D8...27467
 BEARING BRACKET_D10,D8...21282
 BEARING BRACKET_D6,MTA6...14-111
 INDICATOR PLATE,STD...5546
 INDICATOR PLATE,MET...5547

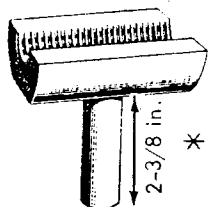
*NOTE: STARRED ITEMS MAKE UP
 HANDWHEEL ASSY

CROSS FEED SCREW ASSEMBLY

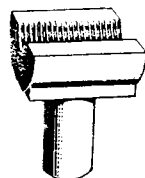
MODEL	FIRST MACH	LAST MACH
D6-1	39-67017	39-611062
D6-3	61-80226	61-61230
D8-1	38-59738	38-61782
D8-3	101-59164	101-61178
D10-0	166-60101	166-61101
D10-1	167-60101 102-59158	167-61102 102-80123
D10-3	168-60101	168-61109
MTA-60	177-80101	177-61102
D10-4	169-60101	169-61109
MTA-6	113-60201	113-60206
D8-0	104-59145	104-61169
D10-D	197-61101	197-61127
MTA-7	158-59101	158-60109

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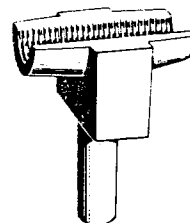
CROSS FEED SCREW NUTS



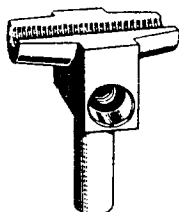
14-434 Standard Thread
14-682 Metric Thread
1 in. - 10 R.H. Acme Thread
First used in 1944 through to the last G-10



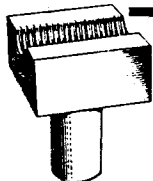
14-683 Metric Thread
26205 Metric Thread
2.5 MM Acme Thread
Serial No. same as G-1 Grinders that use # 14-117



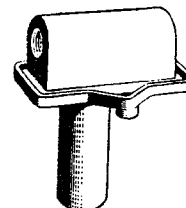
14-11212 Standard Thread
1 in. - 10 R.H. Acme Thread
G-7 & G-10 First Ser. # 4215255
Last Ser. # 43813



14-11211 Standard Thread
3/4 in. - 10 R.H. Acme Thread
G-7 & G-10 First Ser. # 4215082
Last Ser. # 4215254



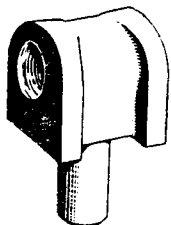
14-117 Standard Thread
1 in. - 10 R.H. Acme Thread
G-1 First Ser. # 44100
Last Ser. # 50785
D6-1-3, D8-1-3, D10-1-3



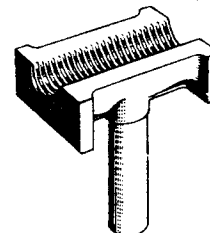
14-02206 Standard Thread
3/4 in. - 10 R.H. Acme Thread
G-6 & G-7 First Ser. # 4002005
Last Ser. # 4214254



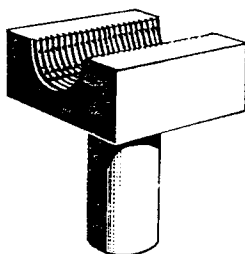
40539 Standard Thread
21140 Metric Thread
1 in. - 10 R.H. Acme Thread
G-1 First Ser. # 50786
Last Ser. # 521431
G-10 First Ser. # 501430
Last Ser. # 531840
D-6 First Ser. # 39-52101
Last Ser. # 39-53338
D-8 First Ser. # 38-52101
Last Ser. # 38-53308
D-10 First Ser. # 40-52101
Last Ser. # 40-53154



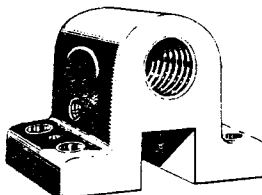
14-707 Standard Thread
1 in. - 10 R.H. Acme Thread
GH-1



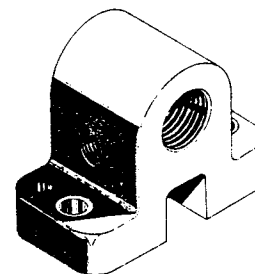
14-434 Standard Thread
(Old Style G-10)
Before 1944
1 in. - 10 R.H. Acme Thread



27805 Half Nut
27806 Metric
1-1/4 in. Acme Thread



27821 Full Nut
1 in. - 10 Acme Thread
DH-612 - First Ser. No. 138-59101
Last Ser. No. 138-713408
DH-618 - First Ser. No. 292-70101
Last Ser. No. 292-71112
MTM-612 - First Ser. No. 184-60101
Last Ser. No. 184-62115

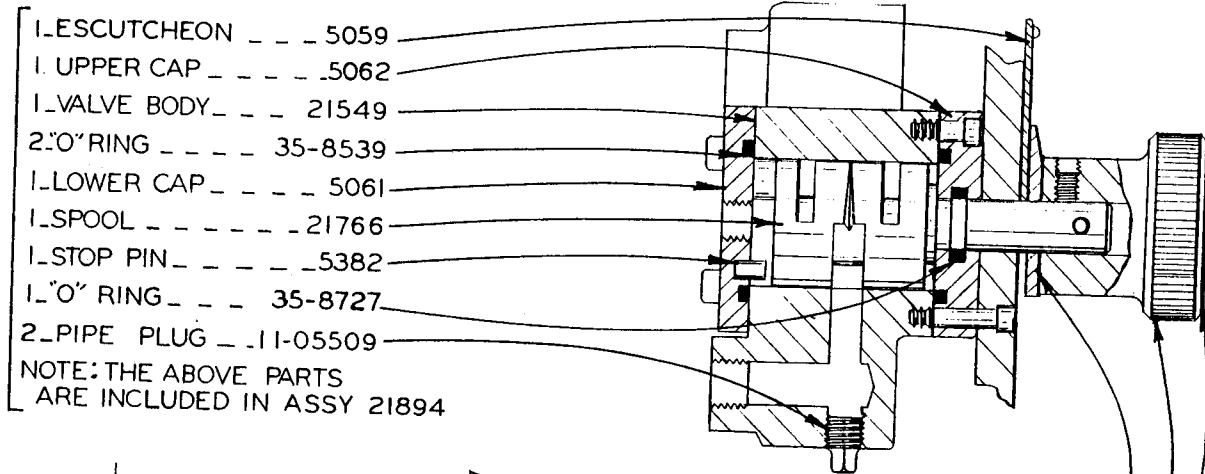


300427 Full Nut
1 in. - 10 Acme Thread
DH-612 - First Ser. No. 138-713409
DH-618 - First Ser. No. 292-71113
MTM-612 - First Ser. No. 184-62116

Before 5-28-46
* 2-3/8 in. was 2-3/4 in.

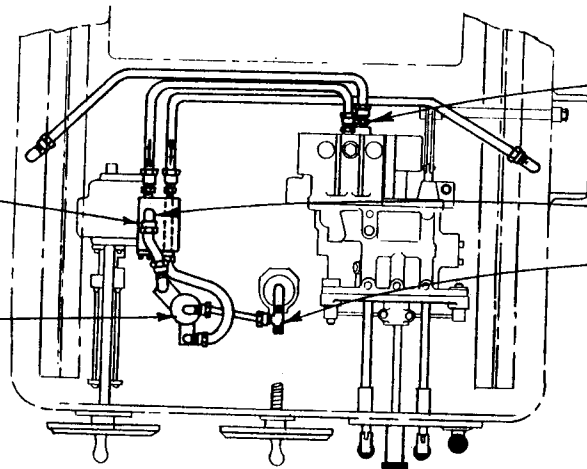
F6-7.0 G5-6.4

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- 1. ESCUTCHEON _ _ _ 5059
- 1. UPPER CAP _ _ _ .5062
- 1. VALVE BODY _ _ _ 21549
- 2. O" RING _ _ _ 35-8539
- 1. LOWER CAP _ _ _ 5061
- 1. SPOOL _ _ _ 21766
- 1. STOP PIN _ _ _ 5382
- 1. O" RING _ _ _ 35-8727
- 2. PIPE PLUG _ _ 11-05509

NOTE: THE ABOVE PARTS
ARE INCLUDED IN ASSY 21894



MANIFOLD AND
CHECK VALVE ASSY.

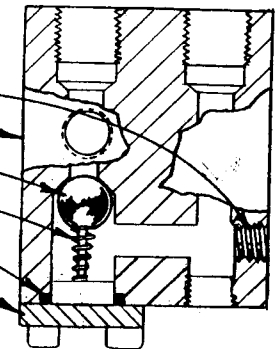
CRUSH GRIND
VALVE ASSY.

BOTTOM VIEW OF SADDLE SHOWING CRUSH
GRIND VALVE AND MANIFOLD AND CHECK
VALVE IN POSITION WITH CONNECTIONS.

- 14-115196 UNION _ _ _ 2
- 1. POINTER _ _ _ 5060
- 1. KNOB _ _ _ 3717
- 1. ESCUTCHEON _ _ _ 4146
- 35-3522 ELBOW _ _ _ 3
- 14-115191 TEE _ _ _ 1

- 1. PLUG _ _ _ 14-115158
- 1. MANIFOLD _ _ _ 5670
- 1. BALL _ _ _ 35-5657
- 1. SPRING _ _ _ 14-253
- 1. O" RING _ _ _ 35-8541
- 1. CAP _ _ _ 5671

NOTE: BRACKETED PARTS
MAKE UP ASSY. 21830

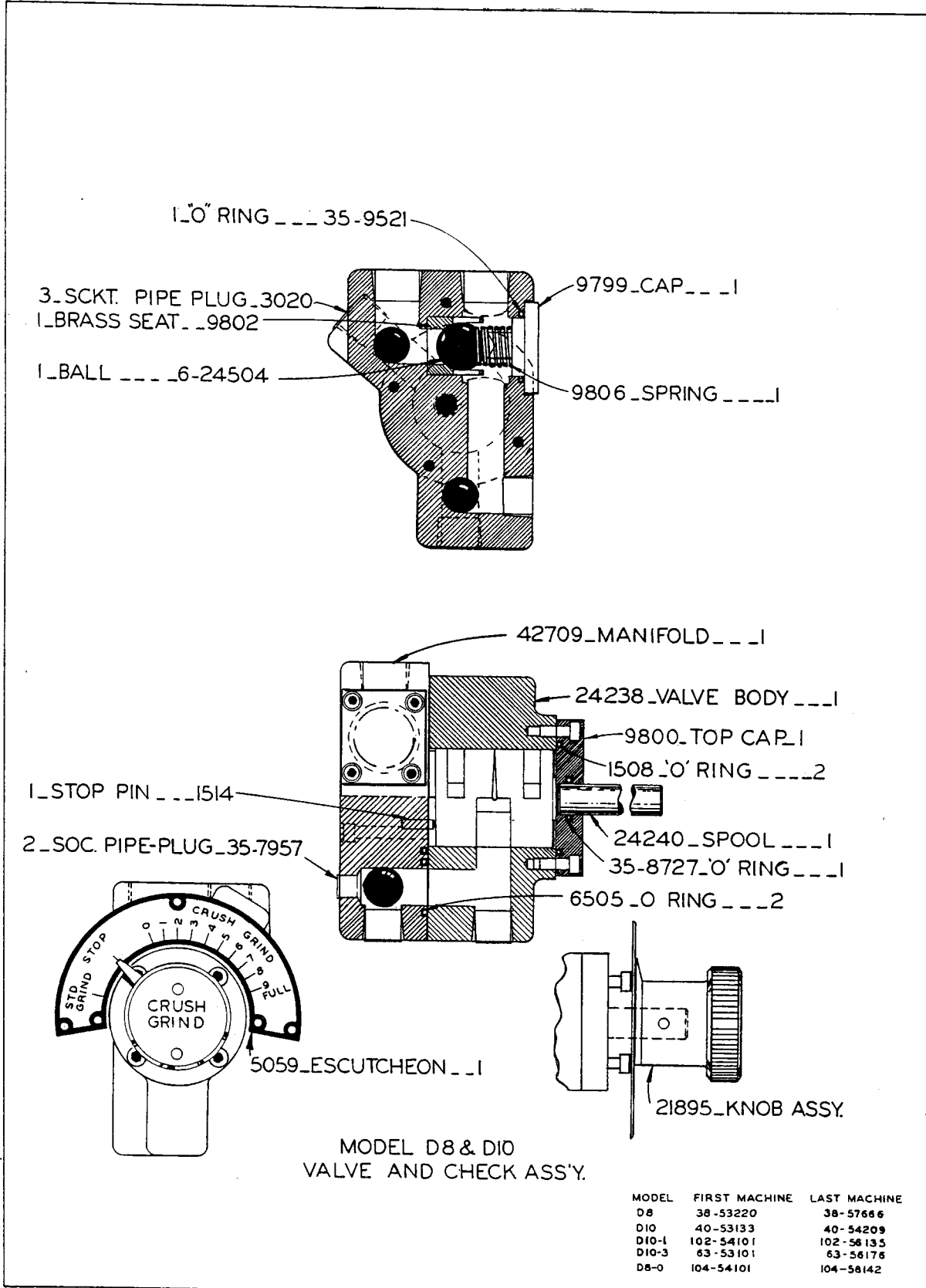


MODEL D-6, D-8, D-10
CRUSH GRIND

MODEL	FIRST MACH	LAST MACH
D-6	39-52101	39-53170
D-8	38-52101	38-53214
D-10	40-52101	40-53132

F7-4.1

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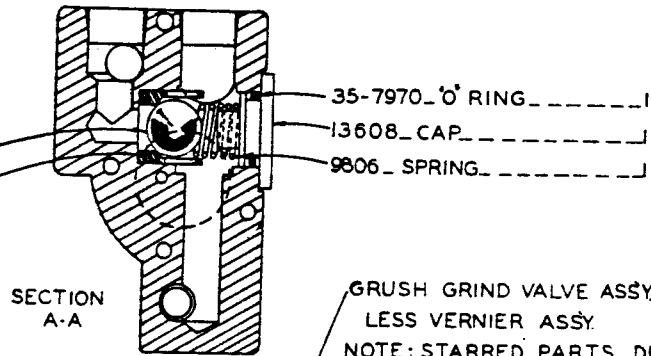
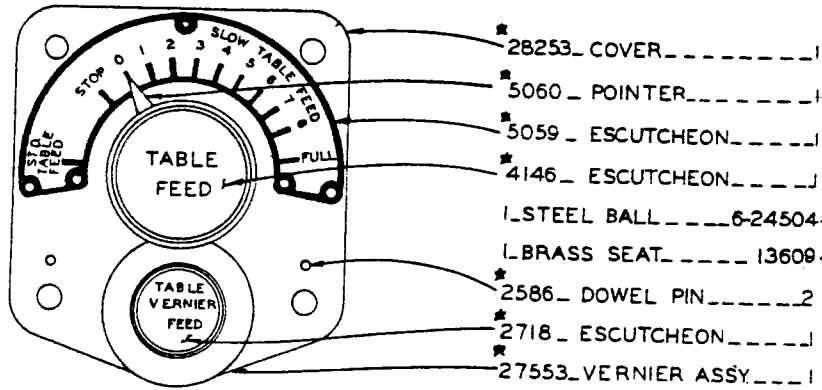
D.R.W. 9-14-56, REV. 3-2-55

MODEL D8 & D10
VALVE AND CHECK ASS'Y.

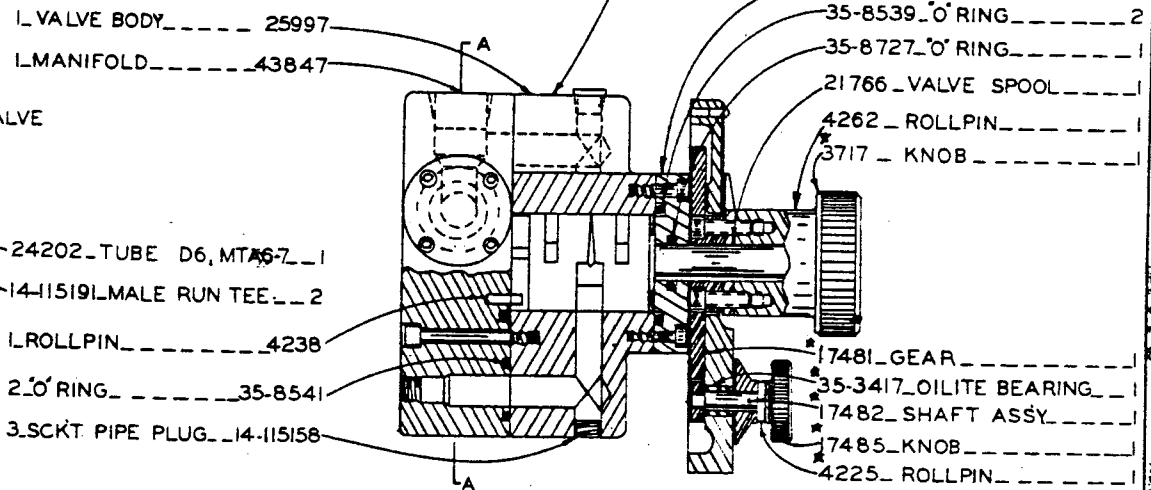
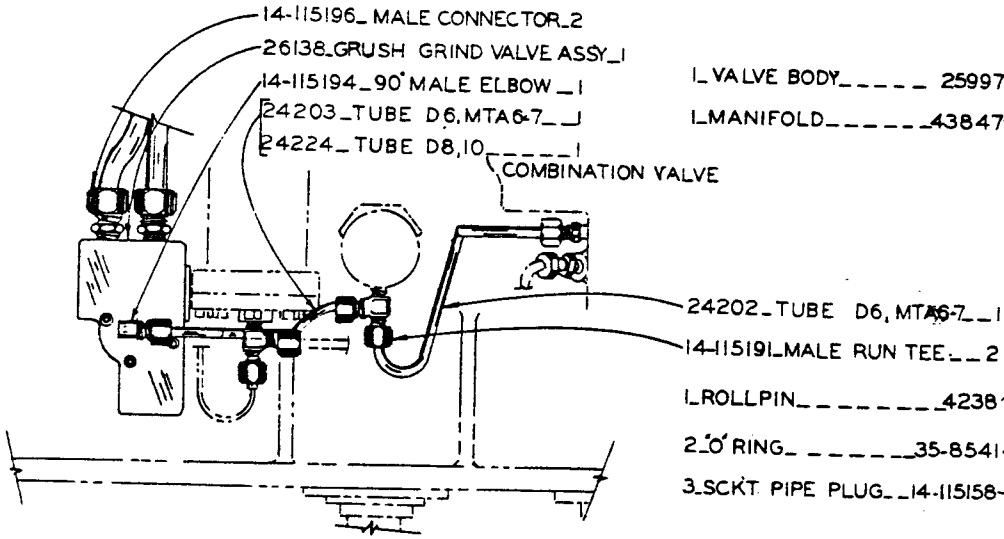
MODEL	FIRST MACHINE	LAST MACHINE
D8	38-53220	38-57666
D10	40-53133	40-54209
D10-1	102-54101	102-56135
D10-3	63-53101	63-56176
D8-0	104-54101	104-56142

F7-4.2

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GRUSH GRIND VALVE ASSY 26138
 LESS VERNIER ASSY
 NOTE: STARRED PARTS DENOTE
 VERNIER ASSY 27553



CRUSH GRIND VALVE AND MANIFOLD ASSY.

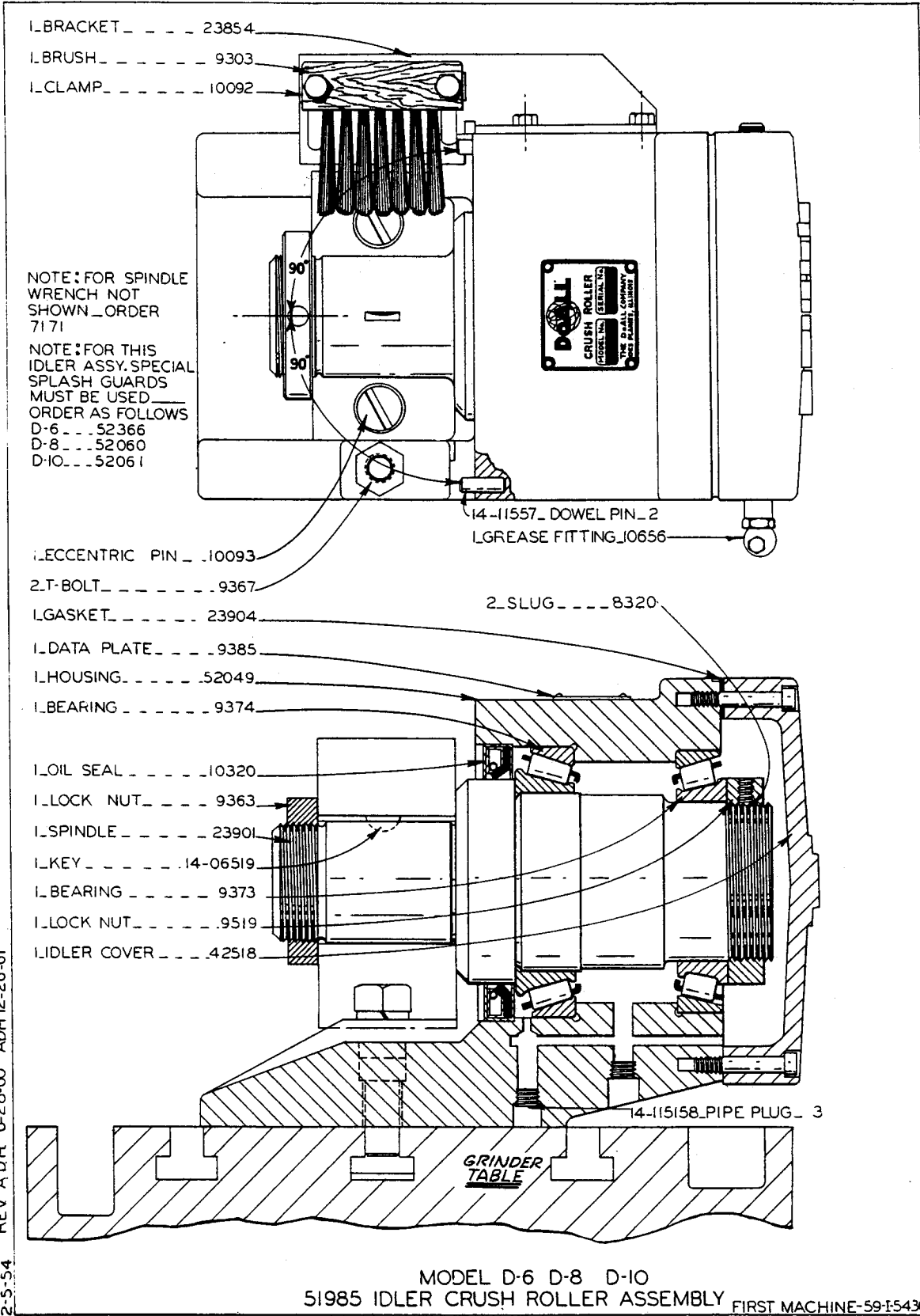
MODEL	FIRST MACH	LAST MACH
MTA-7	158-59101	158-60109
MTA-70	178-60101	178-74144
D6-1	39-801028	39-641226
D6-3	61-60228	61-63250
D8-1	36-56731	36-64852
D8-0	104-58143	104-63204
D8-3	101-60175	101-63209
D10-0	166-60101	166-64109
D10-1	167-60101	167-64108
D10-3	168-60101	168-64137
D10-4	169-60103	169-64130
MTA-6	113-56731	113-60207
MTA-60	177-60101	177-75163
70-LD	187-61101	197-74255

F7-4.13 G5-8.0.2

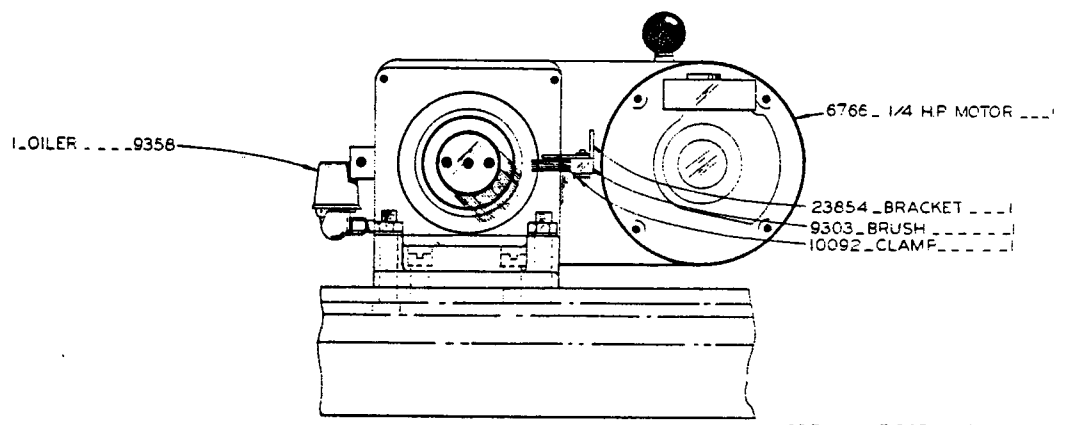
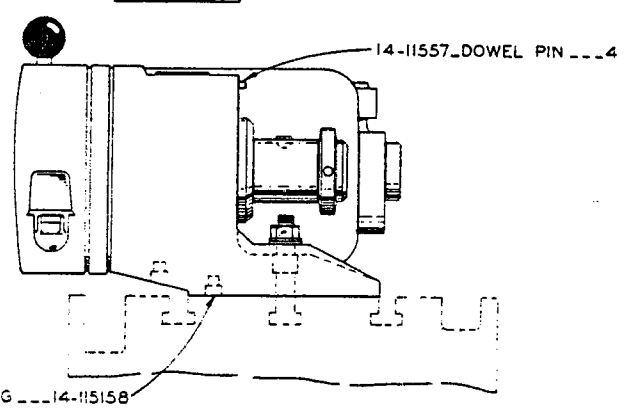
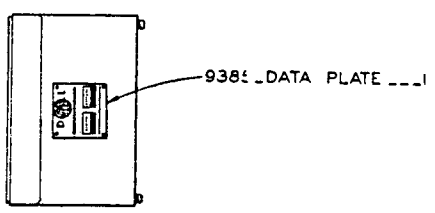
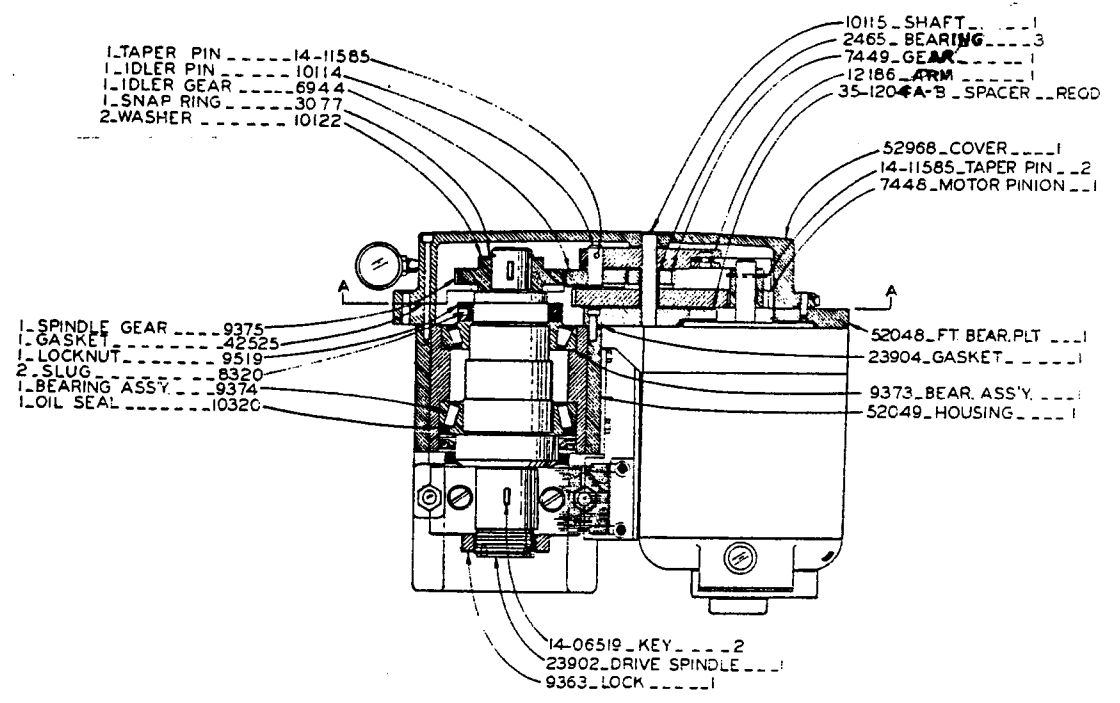
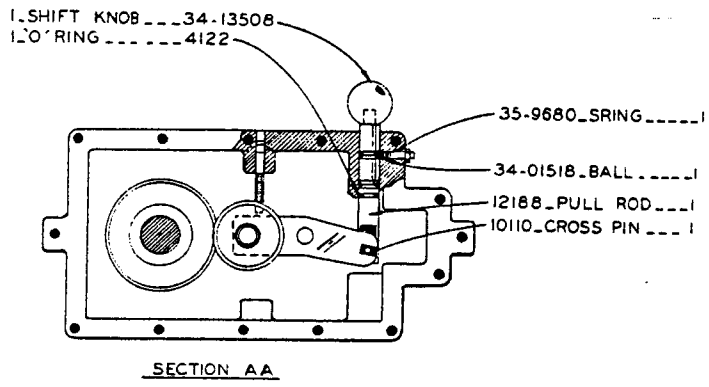
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REV. 3-2-68

ADH 10-31-60 ADH 2-8-60



H.G.K. 2-5-54 REV ADH 6-28-60 ADH 12-26-61



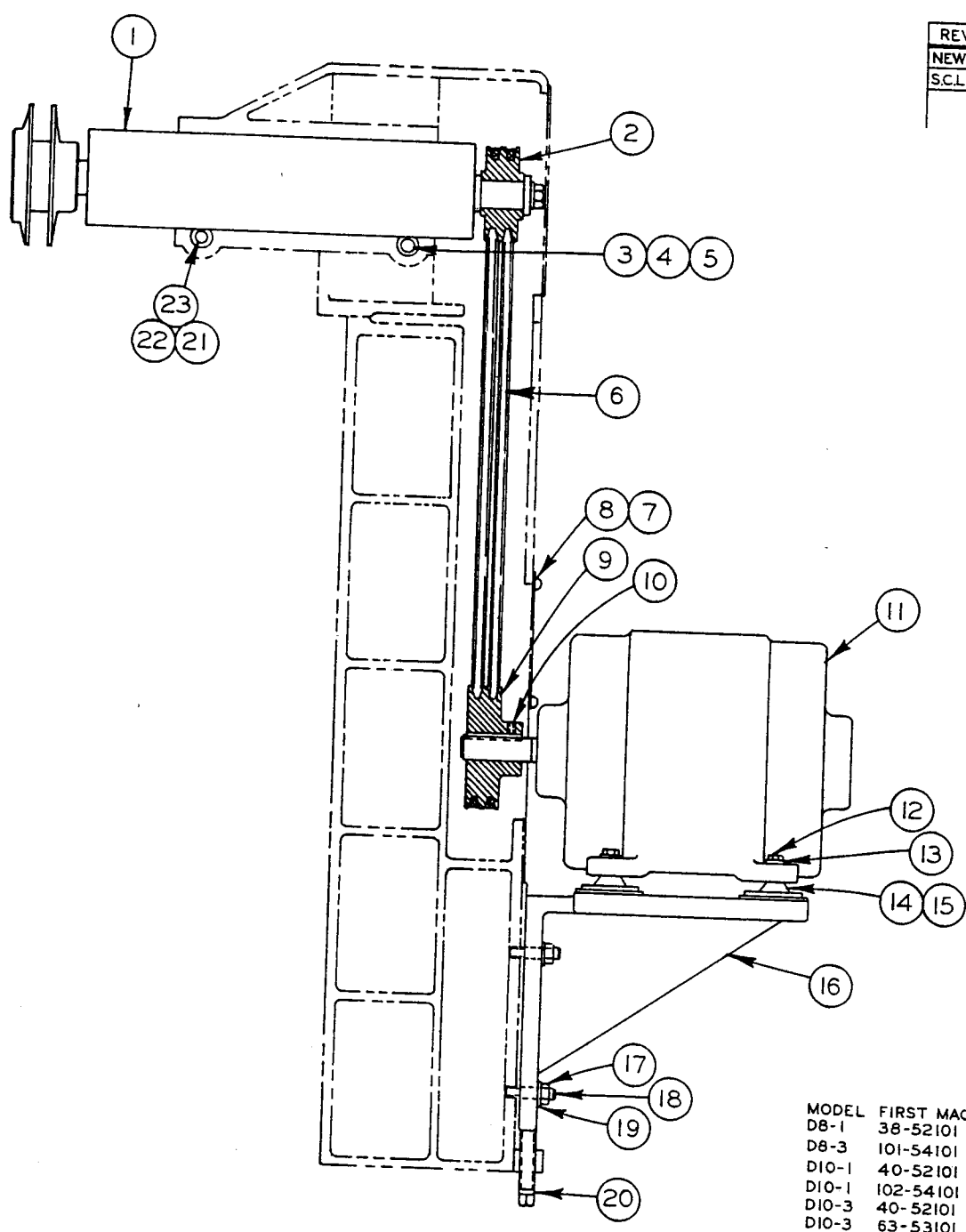
MOTORIZED CRUSH ROLLER ASSY.

MODEL FIRST MACH.
 ALL MODELS 59M-531

F9-21

PRINTED IN USA

REVISIONS
NEW DRG. 2-73
S.C.L. 1-2-76



MODEL	FIRST MACH.	LAST MACH.
D8-1	38-52101	38-57678
D8-3	101-54101	101-57132
D10-1	40-52101	40-54208
D10-1	102-54101	102-60163
D10-3	40-52101	40-54208
D10-3	63-53101	63-59194

SPINDLE & DRIVE ASS'Y.

F4-7.1

D-11

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SPINDLE & DRIVE ASS'Y

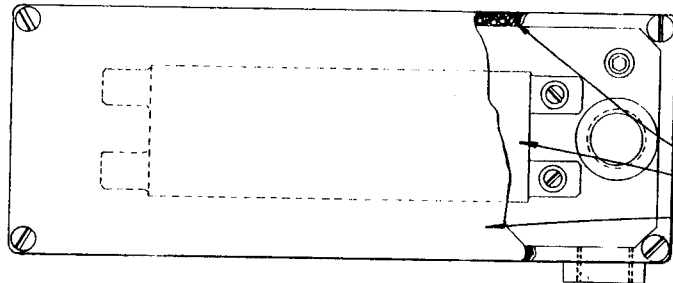
INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y
Ref.	50640	Spindle and Drive Ass'y D8-1	
Ref.	52497	Spindle and Drive Ass'y D8-3	
Ref.	50638	Spindle and Drive Ass'y D10-1 & D10-3	
1	52222	. Spindle, Specify Model and Serial No. of Machine	1
2	14-06148	. Spindle Pulley D8-1 & D8-3.....	1
	4614	. Spindle Pulley D10-1 & D10-3.....	1
3	198054	. Screw, Hex. Hd. 3/8-16NC x 3.....	1
4	6190	. Spindle Lock 1" Dia. x 1 15/16	1
5	6191	. Spindle Lock 1" Dia. x 1 13/16	1
6	12089	. V-Belt (A-62 Matched Set) D8-1.....	2
	10729	. V-Belt (A-60 Matched Set) D8-3, D10-1 & D10-3	2
7	198893	. Screw, Rd. Hd. Mach. 1/4-20NC x 3/8.....	4
8	14-04328	. Cover.....	1
9	24816	. Motor Pulley D8-1 & 50 Cycle D8-3.....	1
	10728	. Motor Pulley D8-3.....	1
	14-06147	. Motor Pulley D10-1 & D10-3	1
10	198437	. Set Screw, Skt. Hd. 5/16-18NC x 1/2.....	1
11	5302	. 3HP Motor Specify h.p., voltage, cycle phase.....	Use
	15209	. 5HP Motor Specify h.p., voltage, cycle, phase ...	One
12	Comm.	. Screw, Hex. Hd. Cap 3/8-16NC Specify Length..	4
13	199332	. Washer Lock 3/8.....	4
14	26612	. Motor Mountings	4
15	198698	. Screw, Fillister Hd. Mach. #10-24NC x 1/2	8
16	44181	. Motor Bracket D8-1.....	1
	44404	. Motor Bracket D8-3.....	1
	14-06146	. Motor Bracket D10-1 & D10-3.....	1
17	199131	. Nut 1/2-13NC.....	4
18	14-06420	. Stud.....	4
19	199304	. Washer, Wrought 1/2	4
20	198656	. Screw, Sq. Hd. Set 5/8-11NC x 3	1
21	8007	. Washer.....	2
22	198059	. Screw, Hex. Hd. Cap 3/8-16NC x 5 1/2.....	1
23	199126	. Nut 3/8-16NC.....	5
	For Models D8-1, D10-1 & D10-3 25 & 50 Cycle Order		
	23286	. Motor Pulley 25 & 50 Cycle.....	1
	For Model D8-3 25 Cycle Order		
	24815	. Motor Pulley.....	1

F2-1-2

- 1. COVER _ _ _ _ 21368
- 1. GASKET _ _ _ _ 21369
- 1. TERMINAL BOX _ _ 40923
- 1. ANGLE _ _ _ _ 5274
- 1. BLOCK _ _ _ _ 5276-A
- 1. BLOCK _ _ _ _ 5276

- 2. RECEPTACLE _ _ _ 14-636

- 1. MOUNTING PLATE _ 21644
- 1. ANGLE _ _ _ _ 5275
- 5. PLUG _ _ _ _ 5672



- 1. LEGEND PLATE _ _ _ 5571
- 1. LEGEND PLATE _ _ _ 5509
- 1. LEGEND PLATE _ _ _ 5508
- 1. LEGEND PLATE _ _ _ 5507
- 5. PUSH BUTTON "GREEN" 5454

- 1. LEGEND PLATE _ _ _ 5572
- 1. LEGEND PLATE _ _ _ 5513
- 1. LEGEND PLATE _ _ _ 5512
- 1. LEGEND PLATE _ _ _ 5511
- 6. PUSH BUTTON "RED" 5455
- 1. LEGEND PLATE _ _ _ 5829
- 1. LEGEND PLATE _ _ _ 5510
- 1. PUSH BUTTON _ _ _ 5456
- 1. LEGEND PLATE _ _ _ 5579

- 1. PILOT LIGHT _ _ _ 5577
- 1. LEGEND PLATE _ _ 5570
- 1. SWITCH _ _ _ _ 5569
- 1. LEGEND PLATE _ _ 5580
- 1. PILOT LIGHT _ _ _ 5574
- 1. CONTROL STATION BOX _ 5583

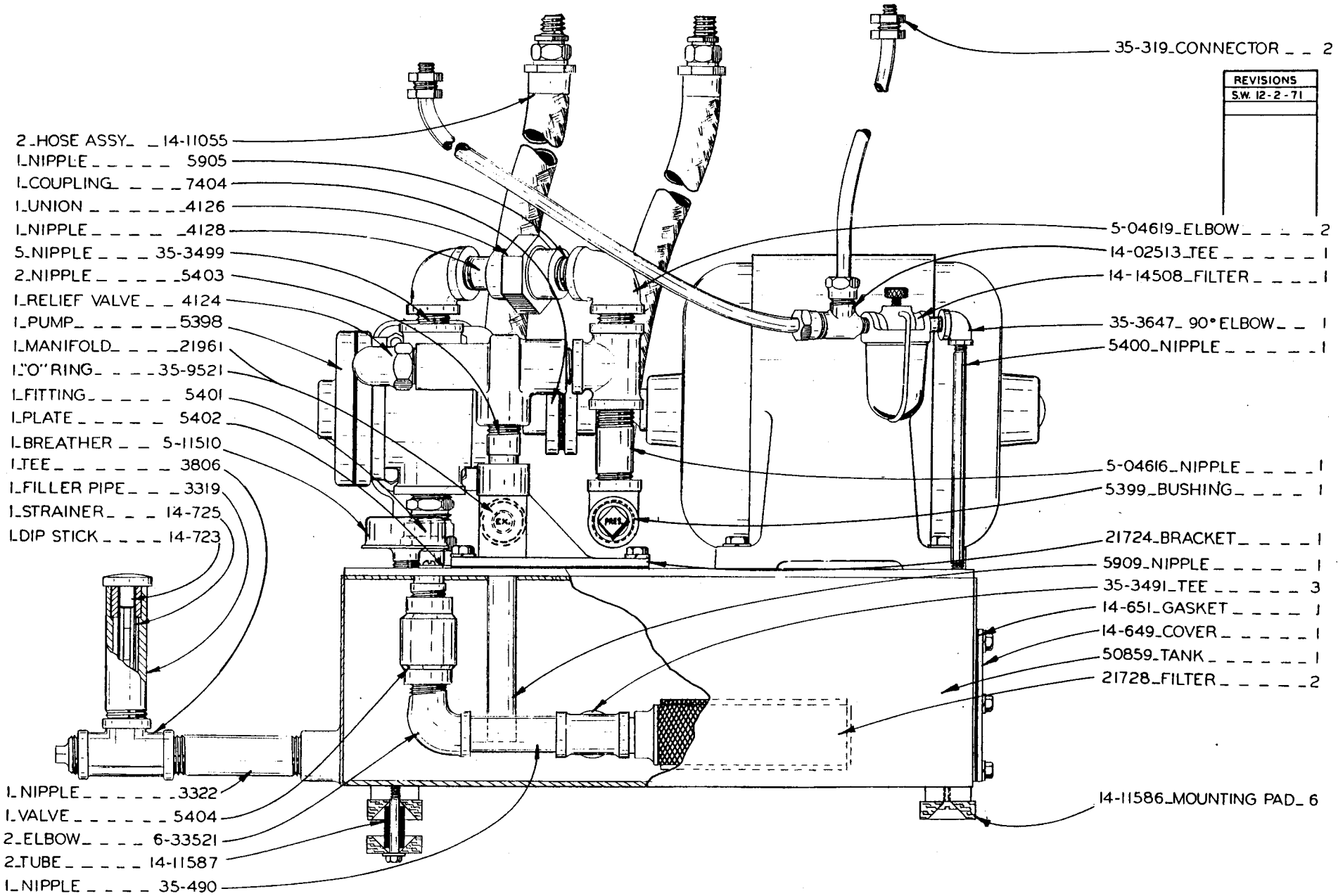
- 1. COVER _ _ _ _ 5794
- 1. GASKET _ _ _ _ 5793
- 1. PILOT LIGHT _ _ _ 5577
- 1. SWITCH BOX _ _ _ 21877
- 1. SWITCH _ _ _ _ 35-9488
- 1. ADAPTOR _ _ _ _ 5792
- 1. ADJUSTING NUT _ _ _ 5791

- 21822_BOX _ _ _ _ _
- 5476_GASKET _ _ _ _ _
- 5149_TERMINAL BLOCK _ _ _
- 5678_COVER _ _ _ _ _

MODEL D-6, D-8, D-10
ELECTRICAL CONTROL PANEL

MODEL	FIRST MACH	LAST MACH
D-6	39-52101	39-641226
D-8	38-52101	38-64852
D-10	40-52101	40-54208

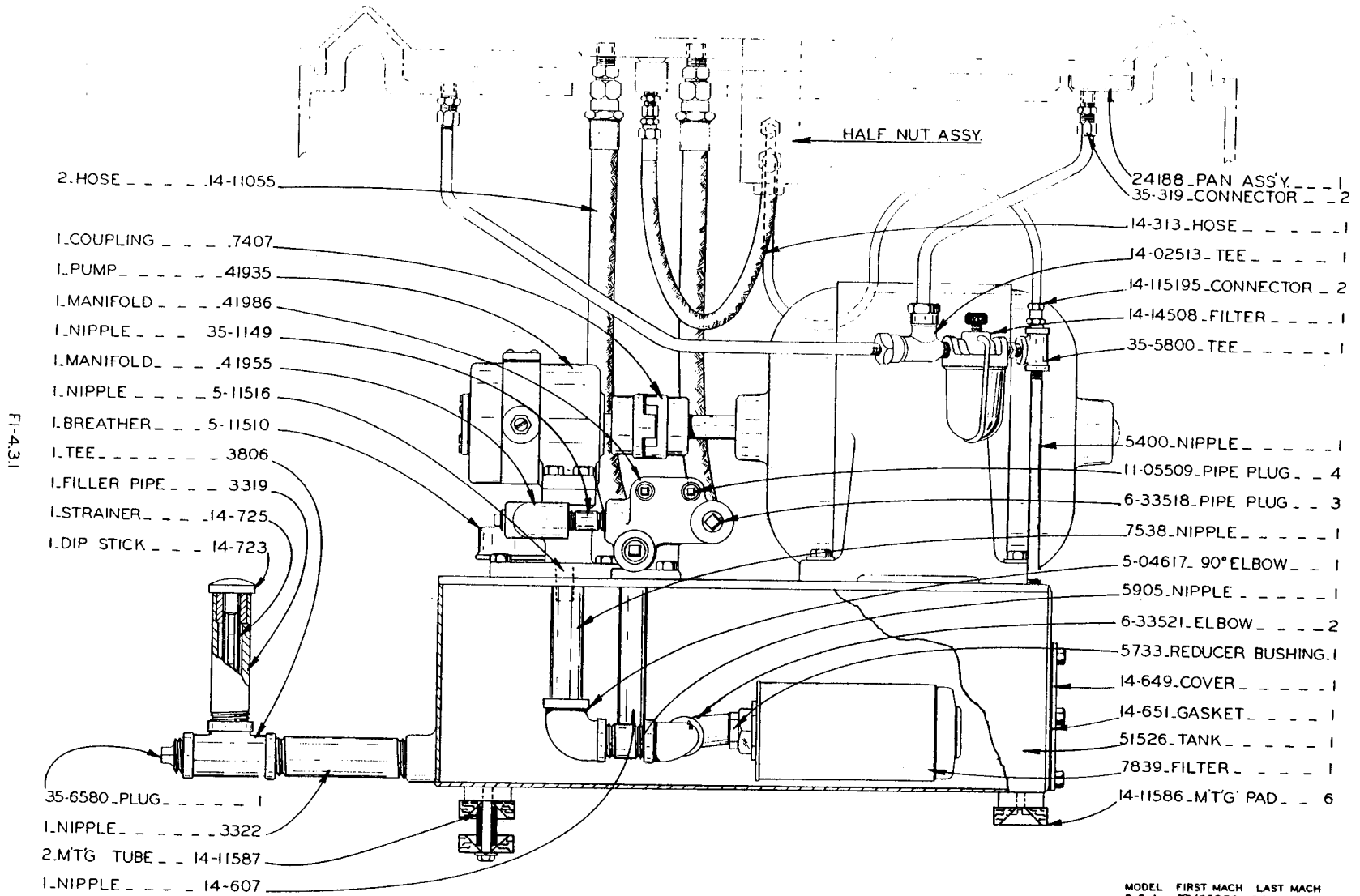
Fl-4.3



REVISIONS	
S.W.	12-2-71

STANDARD MODEL D-8 & D-10
 HYDRAULIC TANK ASSEMBLY

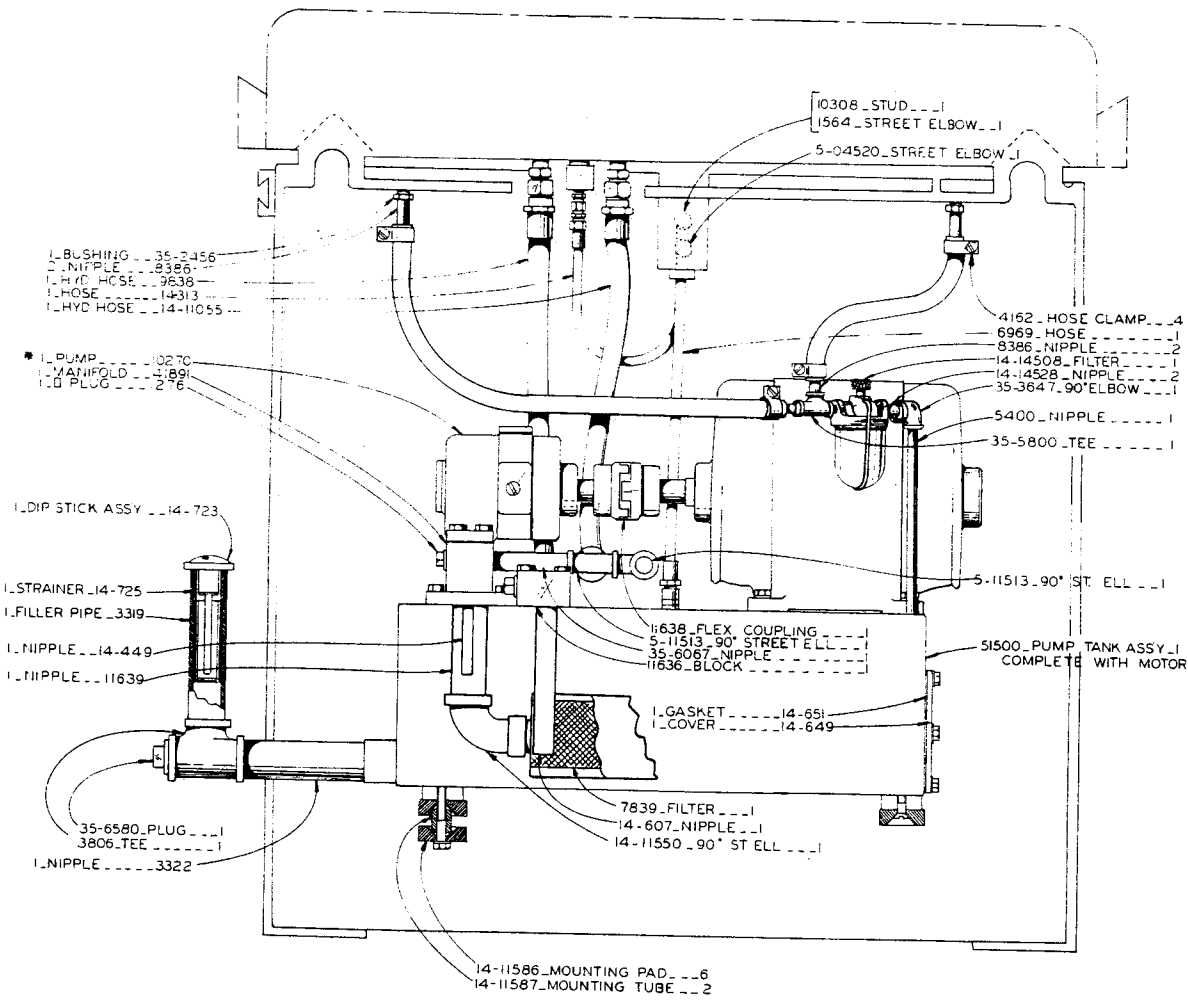
MODEL	FIRST MACH	LAST MACH
D-8	38-52101	38-53271
D-10	40-32101	40-53145



FI-4.3.1

MODELS D-8, D-10
HYDRAULIC TANK ASSEMBLY

MODEL	FIRST MACH	LAST MACH
D-8-1	38-53272	38-55506
D-10-3	63-53101	63-55181
D-8-3	62-53101	62-55121
D-10-1	101-53101	101-55111
	102-53146	102-55111
	102-53101	102-55118



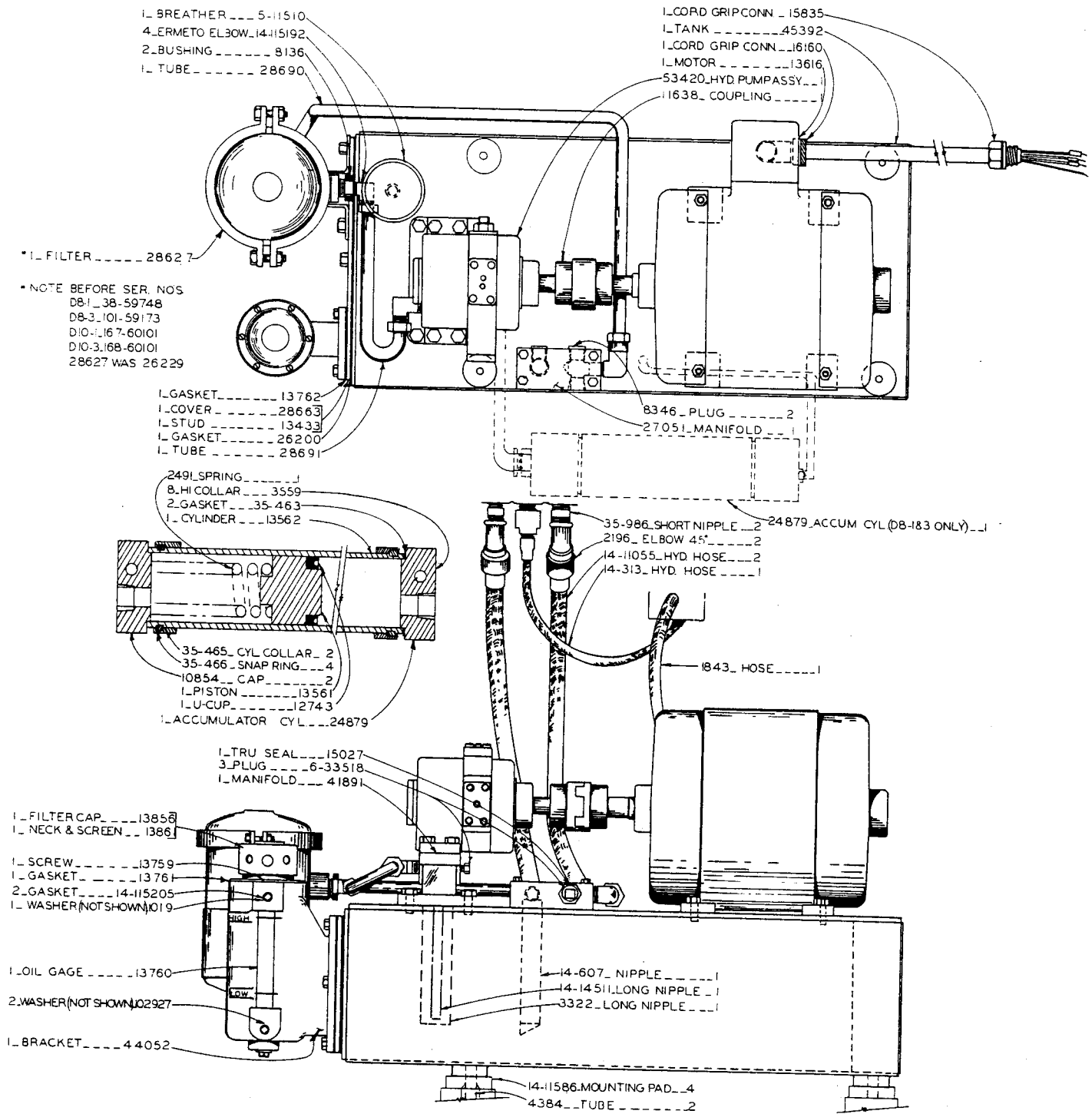
NOTE:
 PUMP 10270
 CLOCKWISE ROTATION

MODEL D8__DIO
 HYDRAULIC TANK ASSEMBLY

REV. 2-22-56 REV. 3-21-62

MODEL	FIRST MACH.	LAST MACH.
D8-1	38-55597	38-57670
D8-3	101-55113	101-57128
D10-1	102-55119	102-57141
D10-3	63-55161	63-57179

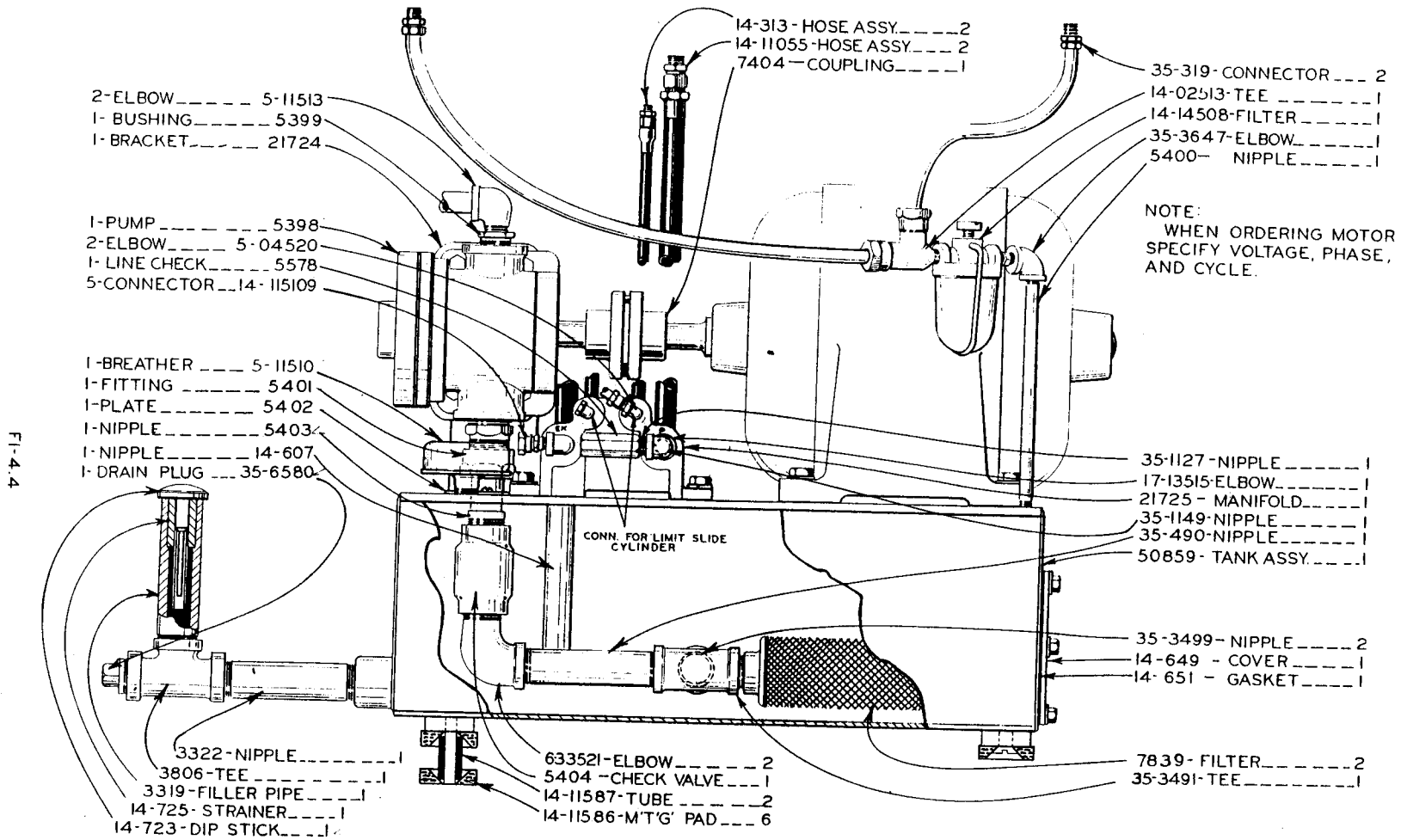
FI-4.3.2



HYDRAULIC PUMP & TANK ASSY

FI-4.3.3

MODEL	FIRST MACH	LAST MACH
DB-1	38-57671	38-64852
DB-3	101-57129	101-63209
D10-0	166-60101	166-64109
D10-1	102-57142	102-60163
	167-60101	167-64108
D10-3	63-57180	63-59194
	168-60101	168-64137
D10-4	169-60101	169-64130



MODEL-D-8-D10
 HYDRAULIC TANK ASSEMBLY FOR AUTOMATIC DOWN-FEED
 SPECIAL MACHINES FOR OLDSMOBILE CORP AND ETC.

NOTE: FOR SERIAL NUMBERS
 USING THIS ASSY. SEE BACK
 OF PAGE.

Parts listed on opposite side of page cover only machines with the following serial numbers sold originally to the following companies:

Oldsmobile
Chrysler Jet Engine
Saginaw Steering

Thompson Products
Kelsey Hayes

OLDSMOBILE

D10-3 40-52102
D10-3 40-52103
D10-3 40-52104
D10-3 40-52105
D10-3 40-52110
D10-3 40-52111
D10-3 40-52112
D10-3 40-52113
D10-3 40-52114
D10-3 40-52115
D10-3 40-52116
D10-3 40-52117
D10-3 40-52118
D10-3 40-52119
D10-3 40-52120
D10-3 40-52121
D10-3 40-52122
D10-3 40-52123
D10-3 40-52126
D10-3 40-52127
D10-3 40-52128
D10-3 40-52131
D10-3 40-52132
D10-3 40-52133
D10-3 40-52134
D10-3 40-52137
D10-3 40-52138

OLDSMOBILE

D8-3	38-52101	D8-3	38-52150
D8-3	38-52102	D8-3	38-52151
D8-3	38-52103	D8-3	38-52153
D8-3	38-52104	D8-3	38-52154
D8-3	38-52105	D8-3	38-52155
D8-3	38-52106	D8-3	38-52165
D8-3	38-52107	D8-3	38-52166
D8-3	38-52109	D8-3	38-52167
D8-3	38-52111	D8-3	38-52168
D8-3	38-52113	D8-3	38-52169
D8-3	38-52118	D8-3	38-52170
D8-3	38-52121	D8-3	38-52174
D8-3	38-52122	D8-3	38-52175
D8-3	38-52128		
D8-3	38-52129		
D8-3	38-52132		
D8-3	38-52133		
D8-3	38-52134		
D8-3	38-52135		
D8-3	38-52136		
D8-3	38-52138		
D8-3	38-52140		
D8-3	38-52142		
D8-3	38-52143		
D8-3	38-52144		
D8-3	38-52148		
D8-3	38-52149		

CHRYSLER JET ENGINE

D8-3 38-52156
D8-3 38-52158
D8-3 38-52159
D8-3 38-53197

SAGINAW STEERING

D10-3 40-52129

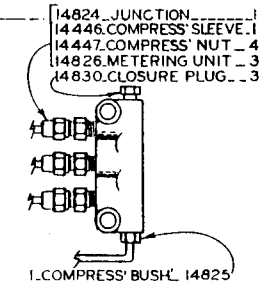
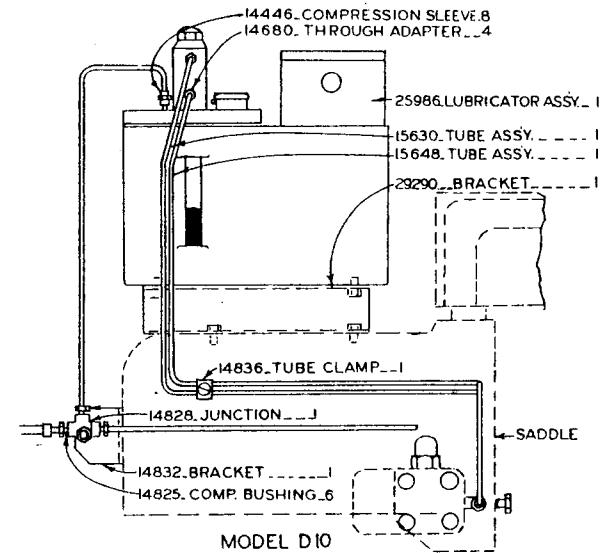
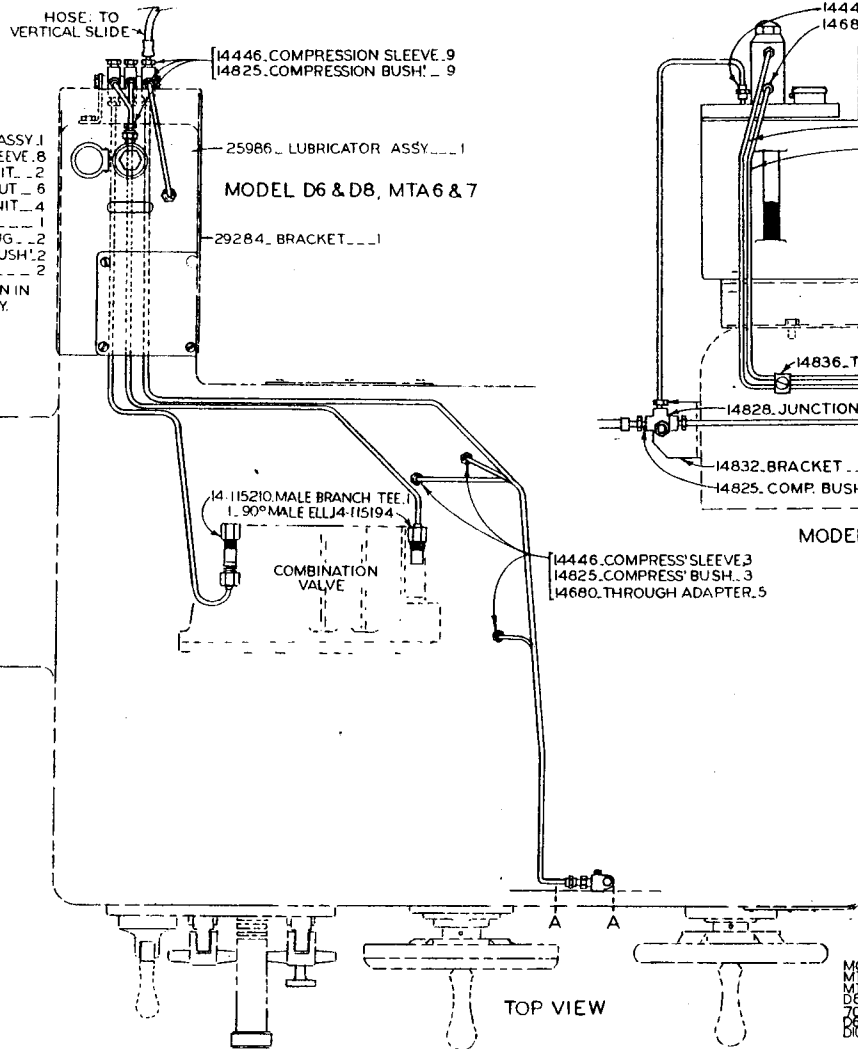
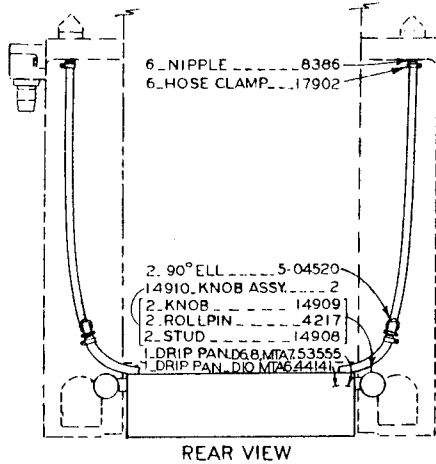
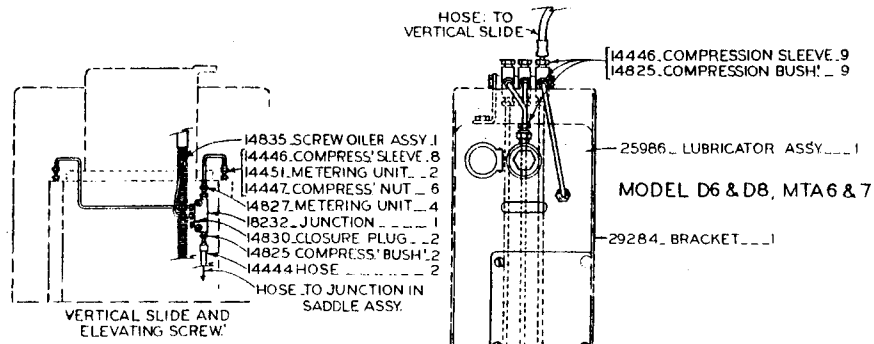
THOMPSON PRODUCTS

D8-1 38-52123
D8-1 38-52124
D8-1 38-52131
D8-1 38-52157

KELSEY HAYES

D8-3 38-52110
D8-3 38-52112
D8-3 38-52125
D8-3 38-52126
D8-3 38-52127
D8-3 38-52130
D8-3 38-52137
D8-3 38-52139
D8-3 38-52141
D8-3 38-52146

F1-4.4
F2-2.1.1
F2-3.0.2
F5-1.6



MODEL	FIRST MACH	LAST MACH
MTA-6	177-6001	
D6-0	178-6001	
D8-0	104-57127	104-63204
D6-1	87-61101	61-63250
D8-3	61-51918	63-59194
D6-3	63-56175	
D10-4	168-60101	168-64137
MTA-6	169-60101	169-64130
MTA-7	113-57124	113-60206
D6-1	158-59101	158-60109
D6-1	39-57843	39-641226
D8-3	101-57128	101-63209
D10-0	166-60101	166-64109
D8-1	38-57668	38-64852
D10-1	102-26136	102-60163

LUBRICATION ASSEMBLY

F9-1.01 G6-2.01

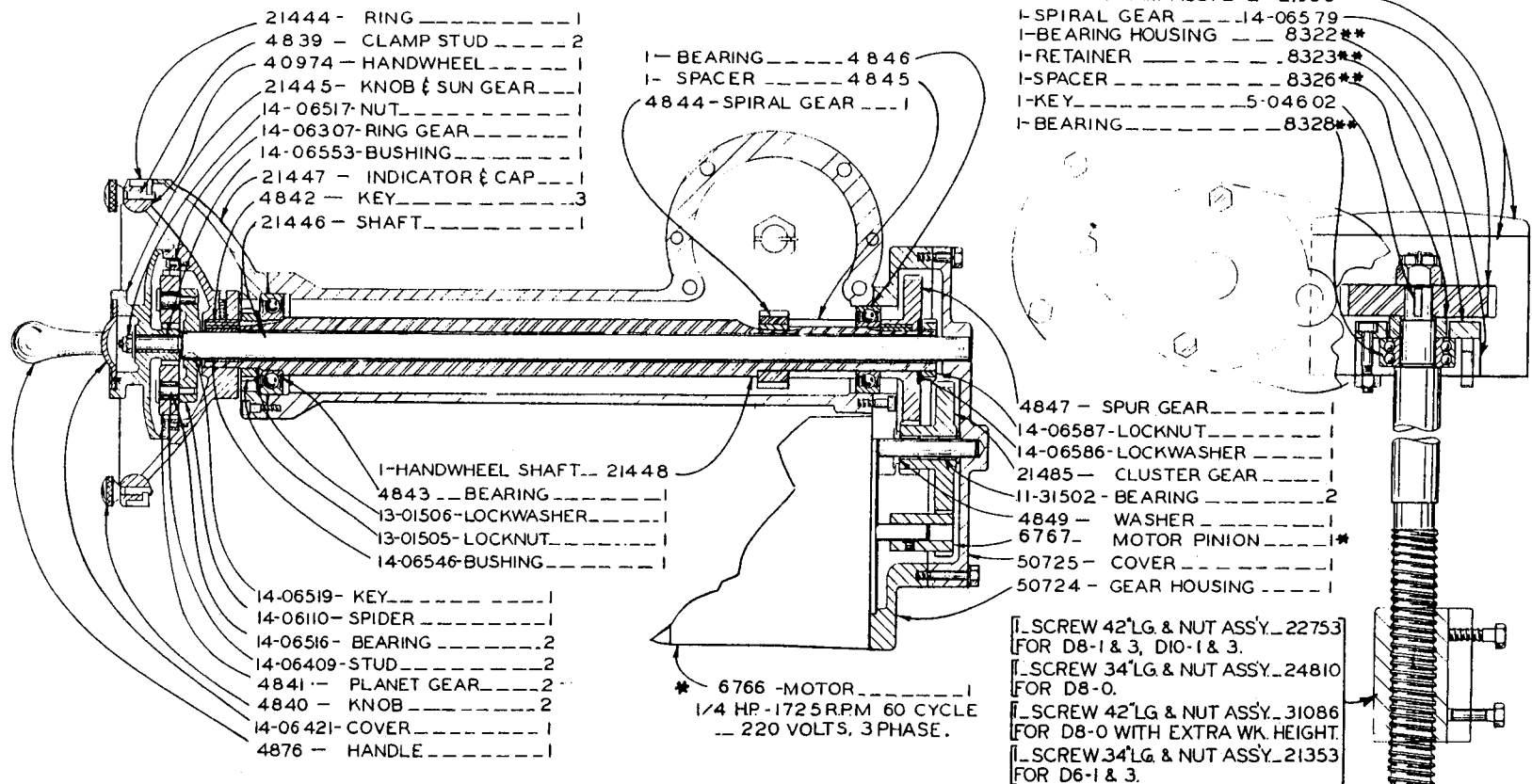
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****NOTE:**

#8328 Bearing New Departure #55605 was
#14-04513 Bearing New Departure #55505

Used with N.D. #55605
#8322 Bearing housing,
#8323 Retainer &
#8326 Spacer.

Used with N.D. #55505
#2943 Retainer,
#14-04107 Cap &
#14-06430 Spacer.



- 21444 - RING ----- 1
- 4839 - CLAMP STUD ----- 2
- 40974 - HANDWHEEL ----- 1
- 21445 - KNOB & SUN GEAR ----- 1
- 14-06517 - NUT ----- 1
- 14-06307 - RING GEAR ----- 1
- 14-06553 - BUSHING ----- 1
- 21447 - INDICATOR & CAP ----- 1
- 4842 - KEY ----- 3
- 21446 - SHAFT ----- 1

- 1 - BEARING ----- 4846
- 1 - SPACER ----- 4845
- 4844 - SPIRAL GEAR ----- 1

- 1 - COVER & ARM ASSY ----- 21966
- 1 - SPIRAL GEAR ----- 14-06579
- 1 - BEARING HOUSING ----- 8322**
- 1 - RETAINER ----- 8323**
- 1 - SPACER ----- 8326**
- 1 - KEY ----- 5-04602
- 1 - BEARING ----- 8328**

- 1 - HANDWHEEL SHAFT ----- 21448
- 4843 - BEARING ----- 1
- 13-01506 - LOCKWASHER ----- 1
- 13-01505 - LOCKNUT ----- 1
- 14-06546 - BUSHING ----- 1
- 14-06519 - KEY ----- 1
- 14-06110 - SPIDER ----- 1
- 14-06516 - BEARING ----- 2
- 14-06409 - STUD ----- 2
- 4841 - PLANET GEAR ----- 2
- 4840 - KNOB ----- 2
- 14-06421 - COVER ----- 1
- 4876 - HANDLE ----- 1

- 4847 - SPUR GEAR ----- 1
- 14-06587 - LOCKNUT ----- 1
- 14-06586 - LOCKWASHER ----- 1
- 21485 - CLUSTER GEAR ----- 1
- 11-31502 - BEARING ----- 2
- 4849 - WASHER ----- 1
- 6767 - MOTOR PINION ----- 1*
- 50725 - COVER ----- 1
- 50724 - GEAR HOUSING ----- 1

* 6766 - MOTOR ----- 1
1/4 HP - 1725 RPM 60 CYCLE
-- 220 VOLTS, 3 PHASE.

- 1 - SCREW 42" LG. & NUT ASSY. ----- 22753
FOR D8-1 & 3, D10-1 & 3.
- 1 - SCREW 34" LG. & NUT ASSY. ----- 24810
FOR D8-0.
- 1 - SCREW 42" LG. & NUT ASSY. ----- 31086
FOR D8-0 WITH EXTRA WK. HEIGHT.
- 1 - SCREW 34" LG. & NUT ASSY. ----- 21353
FOR D6-1 & 3.

NOTE: SPECIFY LENGTH OF SCREW WHEN ORDERING
SCREW & NUT ASSY. REPLACE ONLY AS A UNIT.

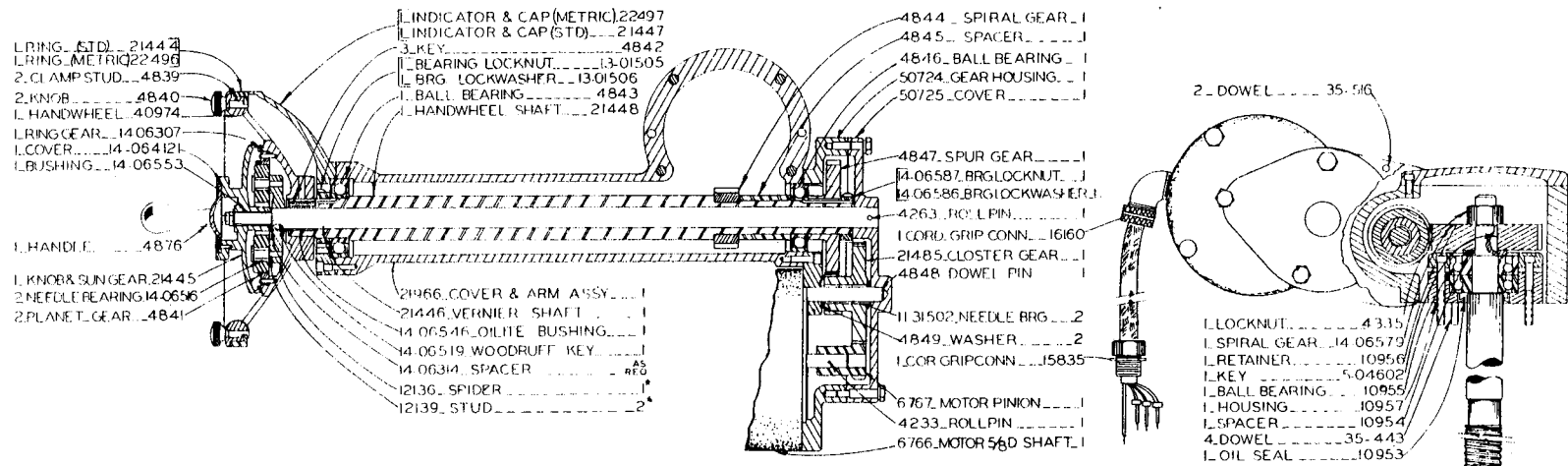
*50719
MOTORIZED ELEVATING ASS'Y

*NOTE: 4442 MOTOR 1/6HP REPLACED WITH
WITH 6766 MOTOR 1/4HP
NOTE: WHEN REPLACING MOTOR PINION SPECIFY
BORE SIZE

MODEL	FIRST MACH.	LAST MACH.
D6-3	61-52101	61-55165
D8-0	104-54101	104-55110
D8-3	101-54101	101-55107
D10-3	63-53101	63-55151
D-6-1	39-52101	39-55666
D-8-1	38-42101	38-55582
D-10-1	102-55101	102-55114

FB-41

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FB-411

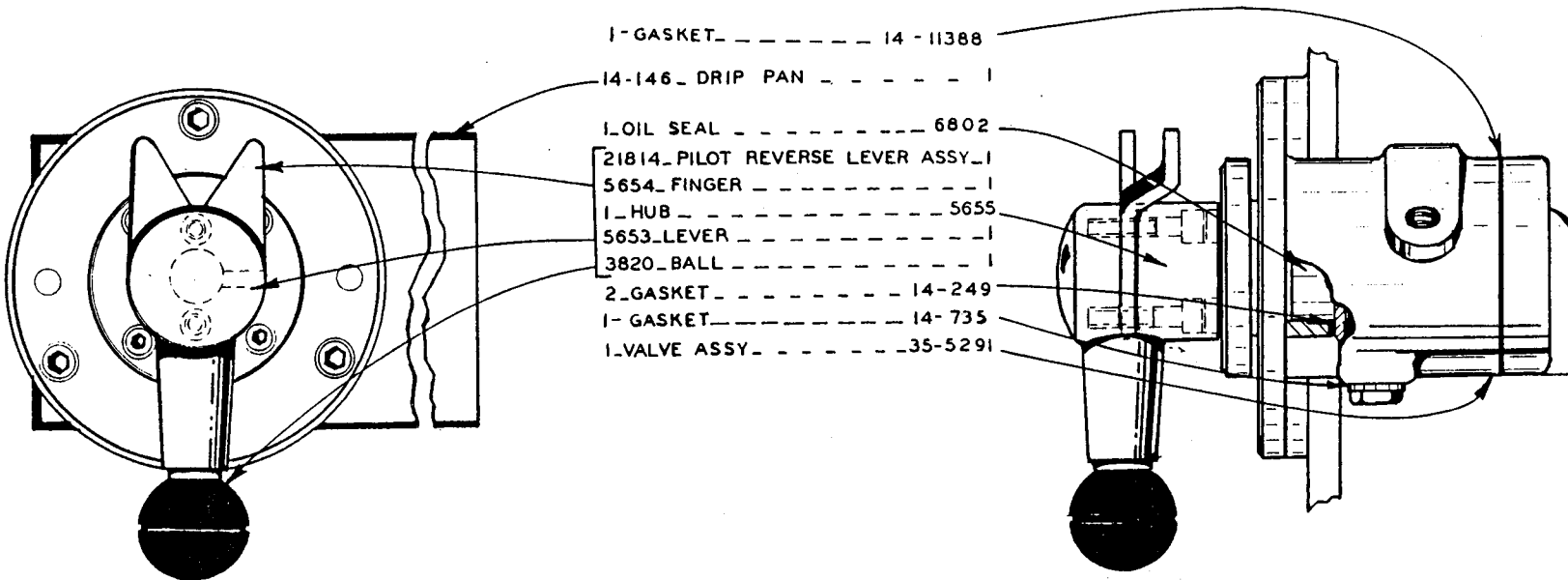
*NOTE BEFORE SER NOS D6-1, 39-56719,
 D6-3, 61-56178,
 D8-1, 38-56610, D8-3, 101-56115
 D10-1, 102-56122, D10-3, 63-56163
 12136 WAS 14-06110
 12139 WAS 14-06409

NOTE SPECIFY LENGTH OF SCREW
 WHEN ORDERING SCREW &
 NUT ASSY. REPLACE ONLY
 AS A UNIT

*50719
 MOTORIZED ELEVATING ASSY

MODEL	FIRST MACH	LAST MACH
D6-1	39-56669	39-641226
D6-3	61-55166	61-63250
D8-0	104-55111	104-63204
D8-1	38-55583	38-64852
D8-3	101-55108	101-63209
D10-0	166-60101	166-64109
D10-1	102-55115	102-60163
	167-60101	167-64108
D10-3	63-55152	63-59194
	168-60101	168-64137
D10-4	169-60101	169-64130

F6-4.2 G5-4.0

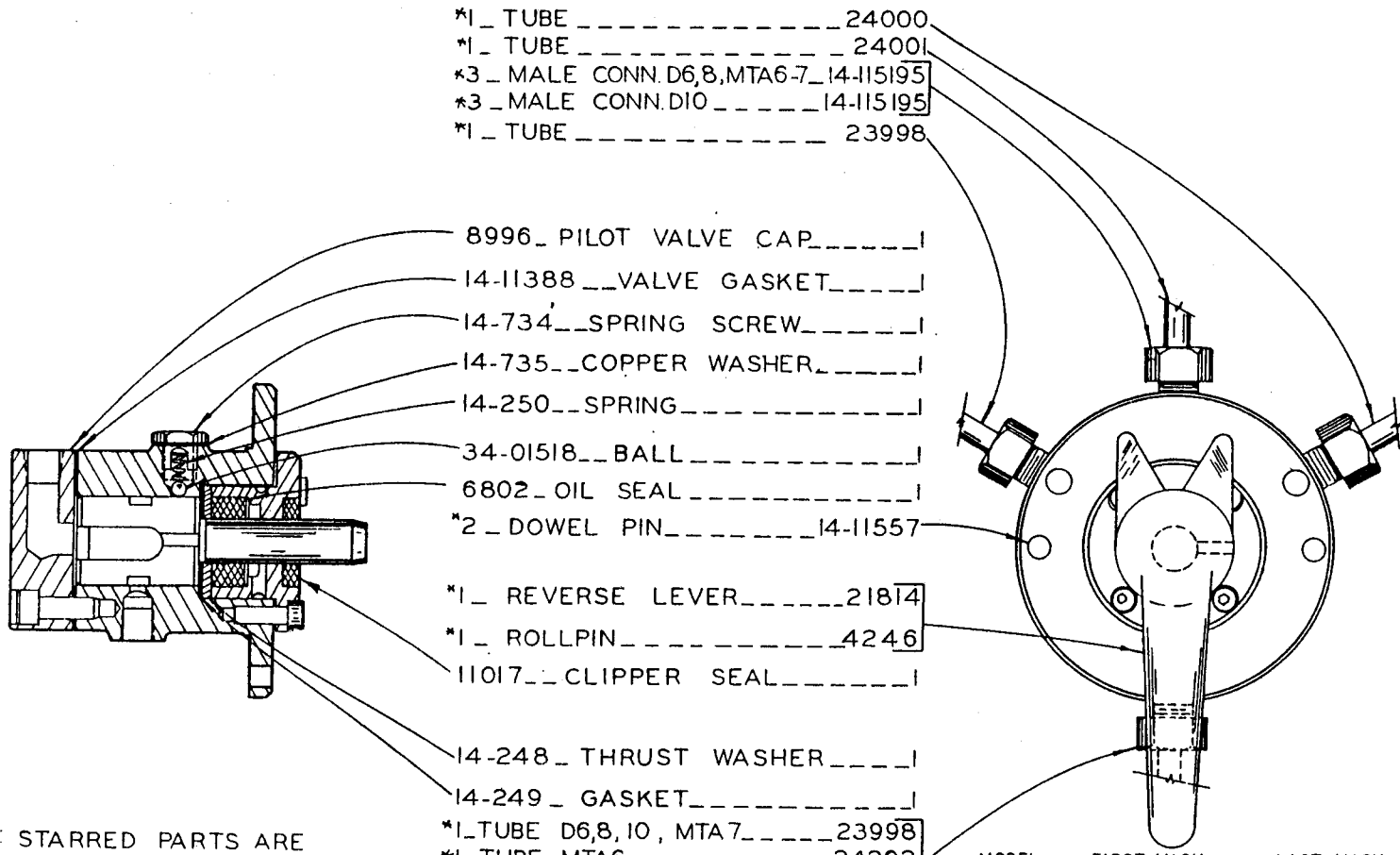


MODELS D-6 D-8 D-10 & MTA-1
PILOT VALVE ASSY. 14-738

MODEL	FIRST MACH	LAST MACH
D-6	39-52101	39-641226
D-8 1	38-52101	38-64852
D-10 1	40-52101	4058208
MTA-1	113-55101	113-60199

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F6-4.2.1 G5-4.1



- *1 _ TUBE ----- 24000
- *1 _ TUBE ----- 24001
- *3 _ MALE CONN. D6,8,MTA6-7_ 14-115195
- *3 _ MALE CONN. D10 ----- 14-115195
- *1 _ TUBE ----- 23998

- 8996 _ PILOT VALVE CAP ----- 1
- 14-11388 _ VALVE GASKET ----- 1
- 14-734 _ SPRING SCREW ----- 1
- 14-735 _ COPPER WASHER ----- 1
- 14-250 _ SPRING ----- 1
- 34-01518 _ BALL ----- 1
- 6802 _ OIL SEAL ----- 1
- *2 _ DOWEL PIN ----- 14-11557
- *1 _ REVERSE LEVER ----- 21814
- *1 _ ROLL PIN ----- 4246
- 11017 _ CLIPPER SEAL ----- 1

- 14-248 _ THRUST WASHER ----- 1
- 14-249 _ GASKET ----- 1
- *1 _ TUBE D6,8,10, MTA7 ----- 23998
- *1 _ TUBE MTA6 ----- 24202
- *1 _ 90° ELBOW D8,10 ----- 14-115194
- *1 _ MALE RUN TEE MTA6-7_ 14-115191

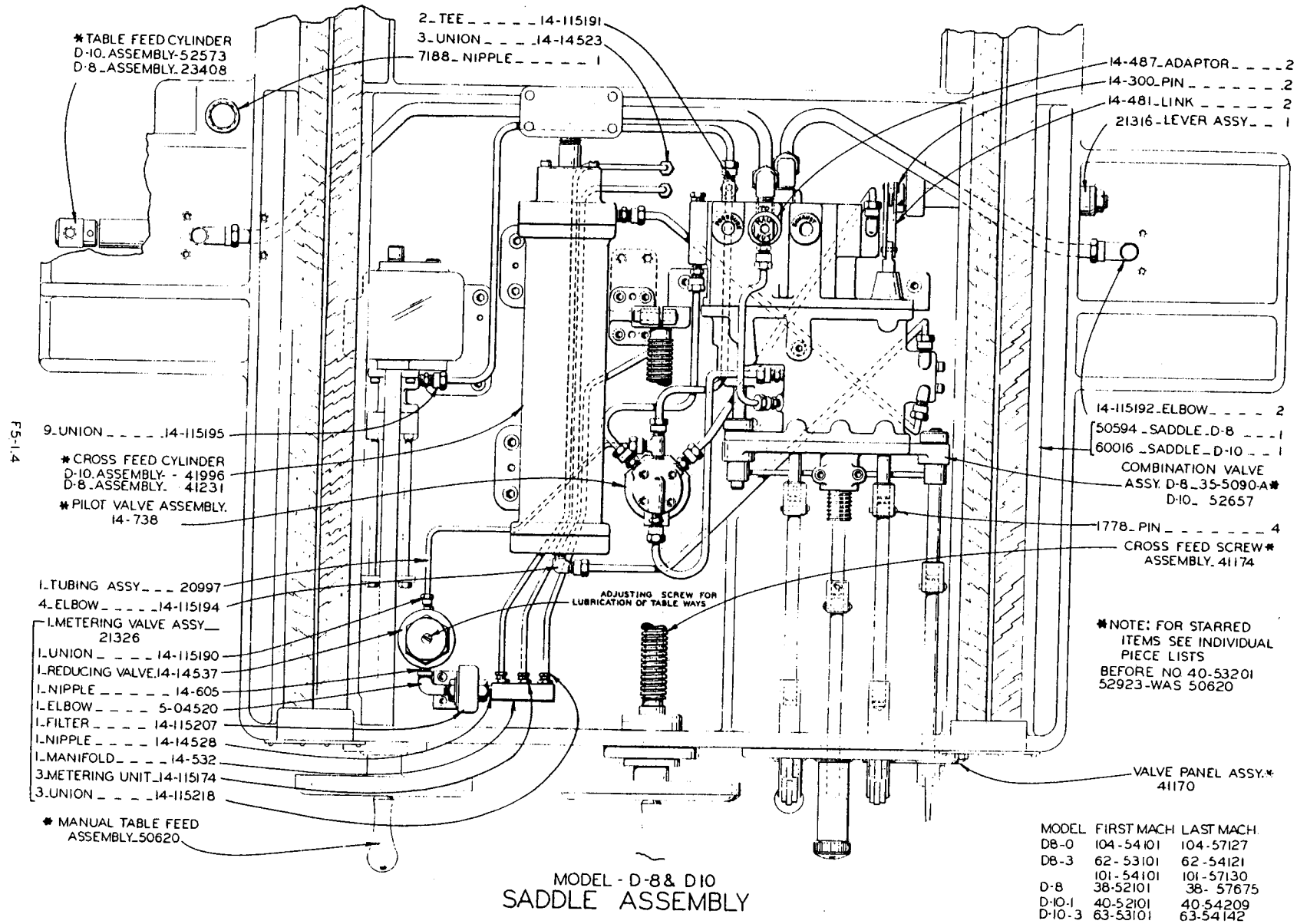
*NOTE: STARRED PARTS ARE NOT INCLUDED IN PILOT VALVE ASSY. 35-5291

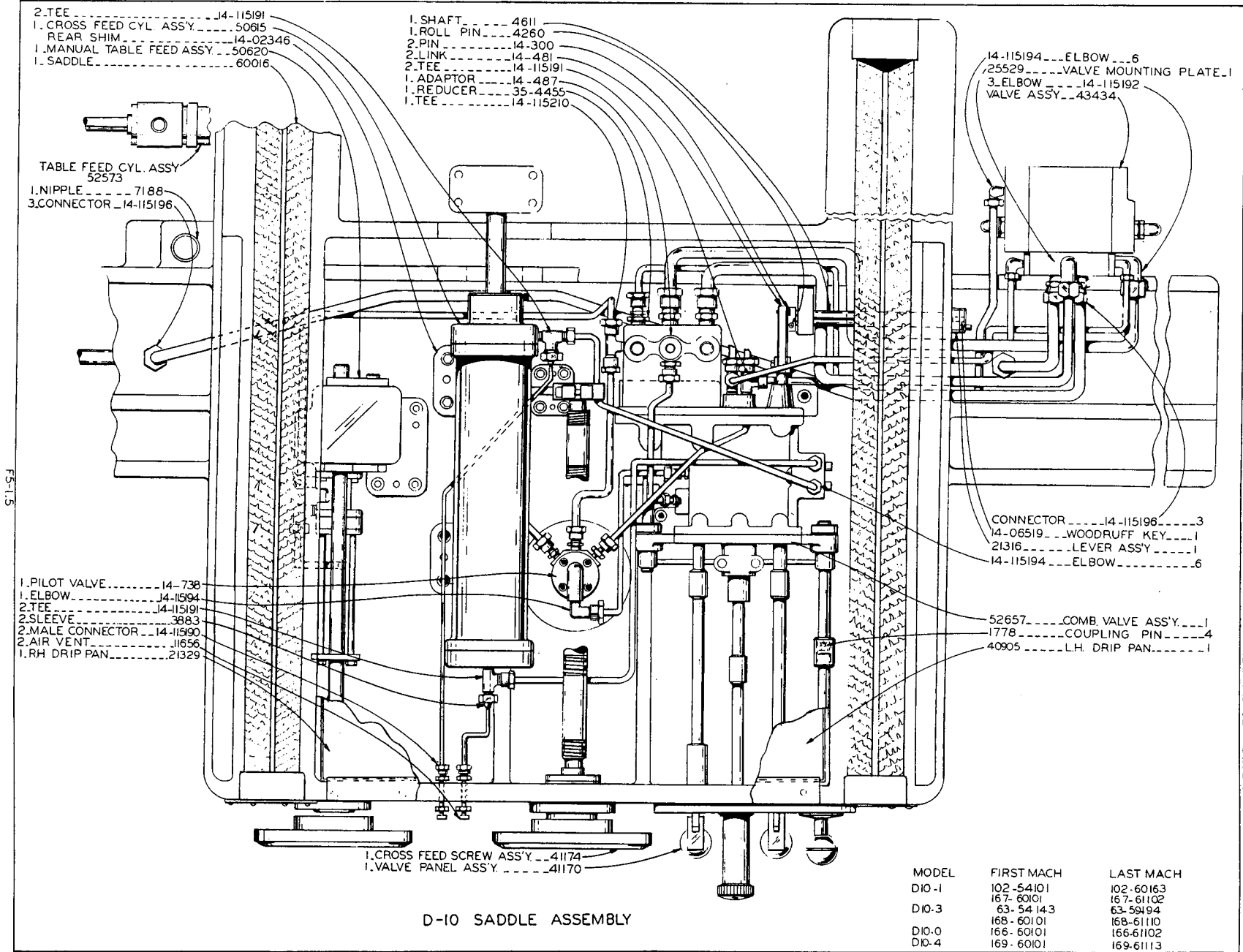
SPOOL, BODY AND CAP ARE MATCHED TO REPLACE ORDER VALVE ASSY. 35-5291

PILOT VALVE ASSY.
35-5291

MODEL	FIRST MACH.	LAST MACH
D6-1	39-52101	39-61115
D6-3	61-53101	61-61234
D8-0	104-54101	104-61178
D8-1	38-52101	38-61802
D8-3	101-53101	101-61184
D10-0	166-60101	166-61104
D10-1	102-54101	102-60123
	167-60101	167-61103
D10-3	63-53101	63-54142
	168-60101	168-61115
D10-4	169-60101	169-61116
MTA-6	113-56101	113-60206
MTA-7	158-59101	158-60109
70	197-61101	197-61144
MTA-60	177-60101	177-61104
MTA-70	178-60101	178-61106

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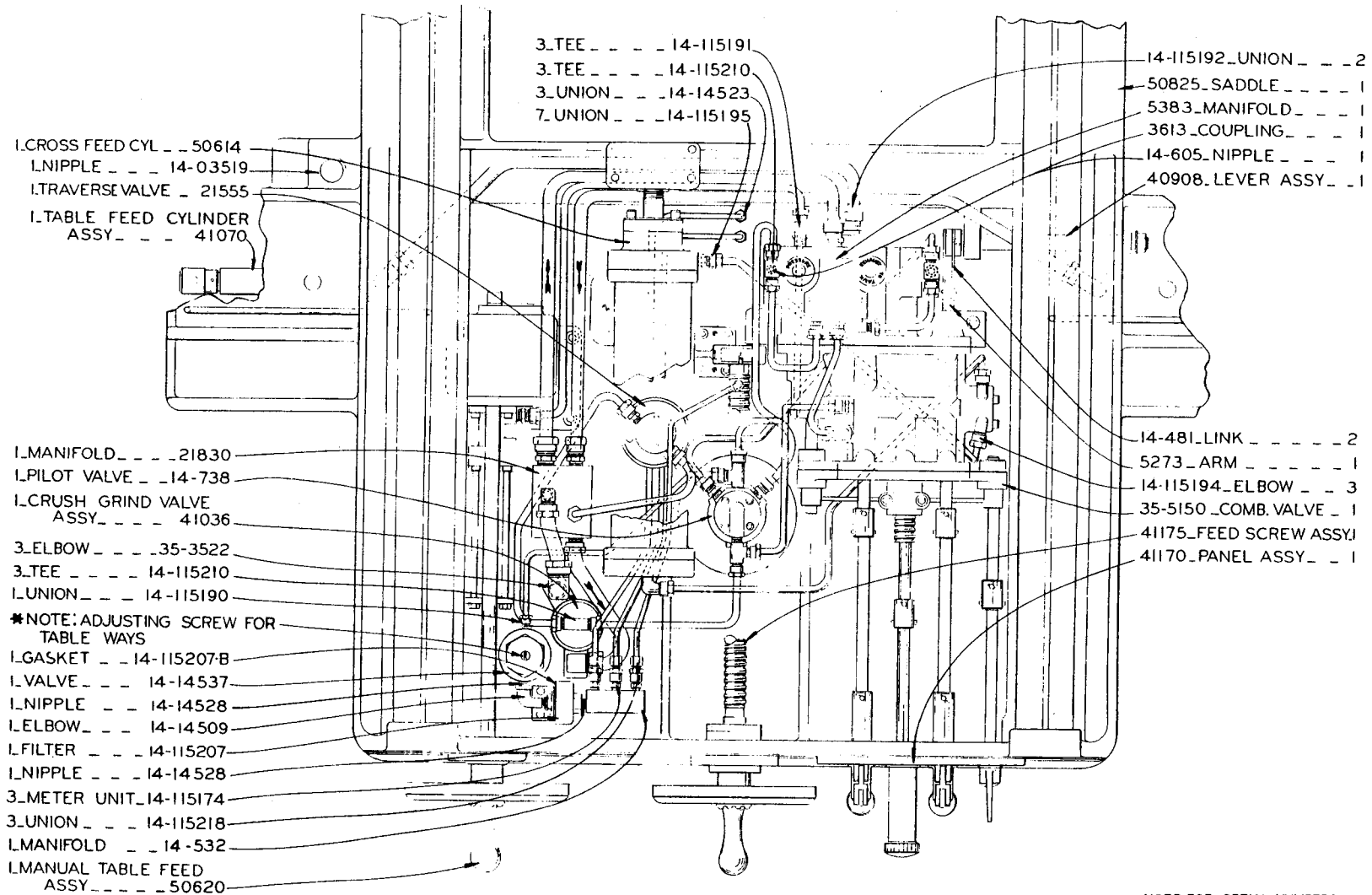




D-10 SADDLE ASSEMBLY

REV. 4-8-62 REV. 3-21-61 REV. 2-23-61

F5-16



MODEL- D-8
SADDLE ASSEMBLY

NOTE: FOR SERIAL NUMBERS
USING THIS ASSY SEE
BACK OF PAGE.

Parts listed on opposite side of page cover only machines with the following serial numbers sold originally to the following companies:

Oldsmobile
Chrysler Jet Engine
Saginaw Steering

Thompson Products
Kelsey Hayes

OLDSMOBILE

D10-3 40-52102
D10-3 40-52103
D10-3 40-52104
D10-3 40-52105
D10-3 40-52110
D10-3 40-52111
D10-3 40-52112
D10-3 40-52113
D10-3 40-52114
D10-3 40-52115
D10-3 40-52116
D10-3 40-52117
D10-3 40-52118
D10-3 40-52119
D10-3 40-52120
D10-3 40-52121
D10-3 40-52122
D10-3 40-52123
D10-3 40-52126
D10-3 40-52127
D10-3 40-52128
D10-3 40-52131
D10-3 40-52132
D10-3 40-52133
D10-3 40-52134
D10-3 40-52137
D10-3 40-52138

OLDSMOBILE

D8-3 38-52101
D8-3 38-52102
D8-3 38-52103
D8-3 38-52104
D8-3 38-52105
D8-3 38-52106
D8-3 38-52107
D8-3 38-52109
D8-3 38-52111
D8-3 38-52113
D8-3 38-52118
D8-3 38-52121
D8-3 38-52122
D8-3 38-52128
D8-3 38-52129
D8-3 38-52132
D8-3 38-52133
D8-3 38-52134
D8-3 38-52135
D8-3 38-52136
D8-3 38-52138
D8-3 38-52140
D8-3 38-52142
D8-3 38-52143
D8-3 38-52144
D8-3 38-52148
D8-3 38-52149

D8-3 38-52150
D8-3 38-52151
D8-3 38-52153
D8-3 38-52154
D8-3 38-52155
D8-3 38-52165
D8-3 38-52166
D8-3 38-52167
D8-3 38-52168
D8-3 38-52169
D8-3 38-52170
D8-3 38-52174
D8-3 38-52175

CHRYSLER JET ENGINE

D8-3 38-52156
D8-3 38-52158
D8-3 38-52159
D8-3 38-53197

SAGINAW STEERING

D10-3 40-52129

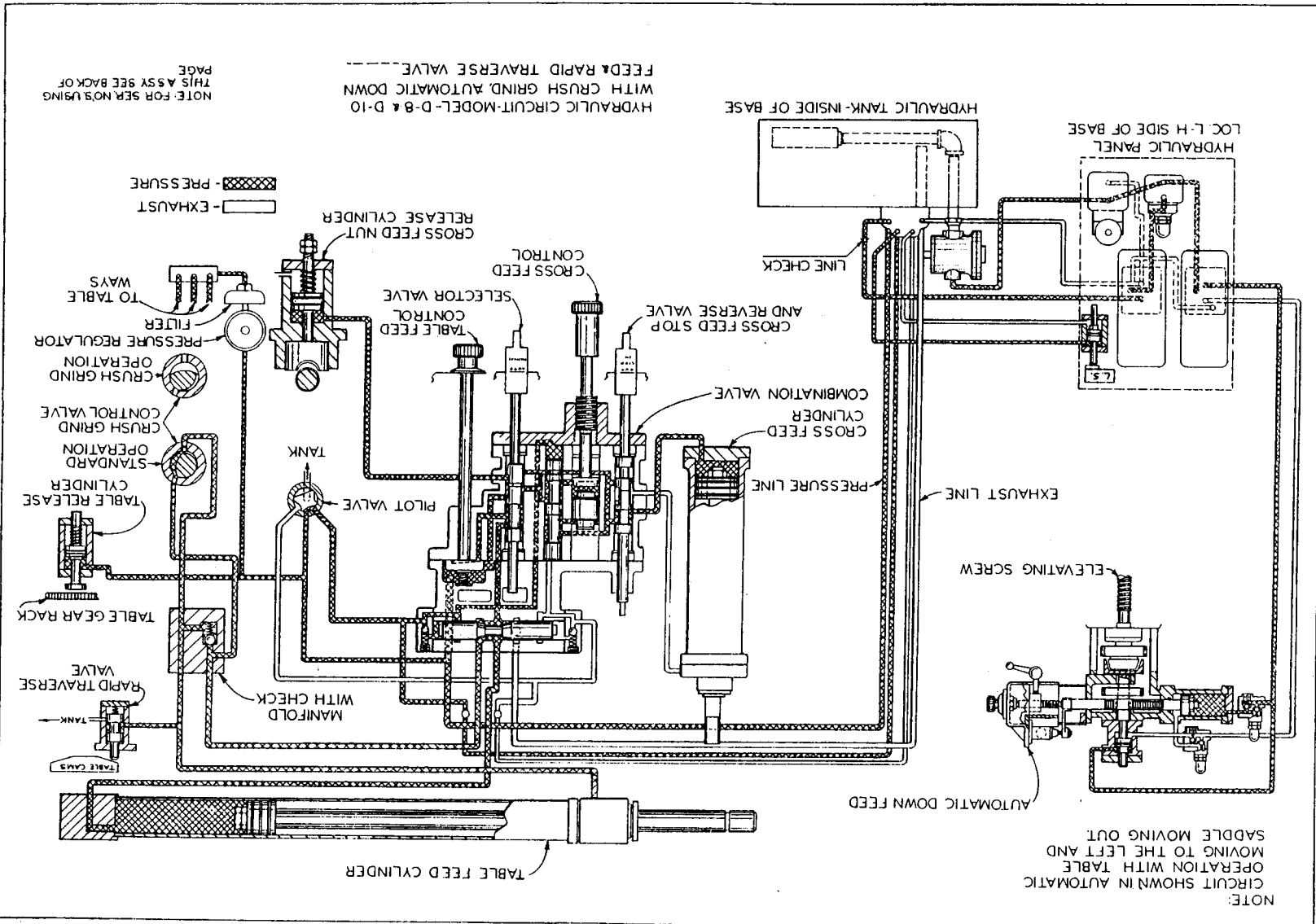
THOMPSON PRODUCTS

D8-1 38-52123
D8-1 38-52124
D8-1 38-52131
D8-1 38-52157

KELSEY HAYES

D8-3 38-52110
D8-3 38-52112
D8-3 38-52125
D8-3 38-52126
D8-3 38-52127
D8-3 38-52130
D8-3 38-52137
D8-3 38-52139
D8-3 38-52141
D8-3 38-52146

F1-4.4
F2-2.1.1
F2-3.0.2
F5-1.6



NOTE: FOR SER. NO'S USING THIS ASSY SEE BACK OF PAGE

NOTE: CIRCUIT SHOWN IN AUTOMATIC OPERATION WITH TABLE MOVING TO THE LEFT AND SADDLE MOVING OUT

12-28-51 ADH 4-12-62

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F2-2.11

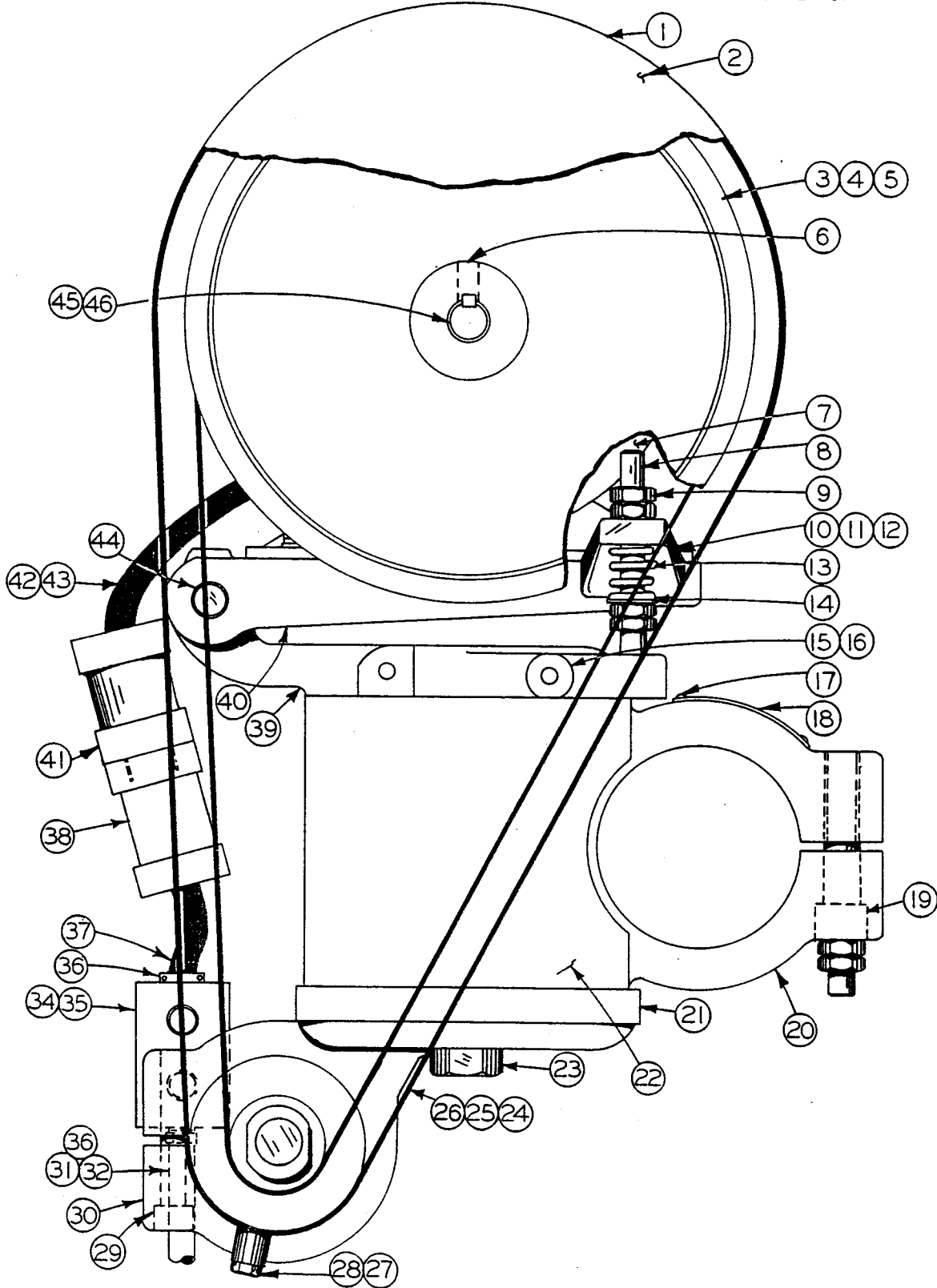
Parts listed on opposite side of page cover only machines with the following serial numbers sold originally to the following companies:

Oldsmobile
Chrysler Jet Engine
Saginaw Steering

Thompson Products
Kelsey Hayes

OLDSMOBILE		OLDSMOBILE		OLDSMOBILE		CHRYSLER JET ENGINE	
D10-3	40-52102	D8-3	38-52101	D8-3	38-52150	D8-3	38-52156
D10-3	40-52103	D8-3	38-52102	D8-3	38-52151	D8-3	38-52158
D10-3	40-52104	D8-3	38-52103	D8-3	38-52153	D8-3	38-52159
D10-3	40-52105	D8-3	38-52104	D8-3	38-52154	D8-3	38-53197
D10-3	40-52110	D8-3	38-52105	D8-3	38-52155		
D10-3	40-52111	D8-3	38-52106	D8-3	38-52165	SAGINAW STEERING	
D10-3	40-52112	D8-3	38-52107	D8-3	38-52166		
D10-3	40-52113	D8-3	38-52109	D8-3	38-52167	D10-3	40-52129
D10-3	40-52114	D8-3	38-52111	D8-3	38-52168		
D10-3	40-52115	D8-3	38-52113	D8-3	38-52169	THOMPSON PRODUCTS	
D10-3	40-52116	D8-3	38-52118	D8-3	38-52170		
D10-3	40-52117	D8-3	38-52121	D8-3	38-52174	D8-1	38-52123
D10-3	40-52118	D8-3	38-52122	D8-3	38-52175	D8-1	38-52124
D10-3	40-52119	D8-3	38-52128			D8-1	38-52131
D10-3	40-52120	D8-3	38-52129			D8-1	38-52157
D10-3	40-52121	D8-3	38-52132				
D10-3	40-52122	D8-3	38-52133			KELSEY HAYES	
D10-3	40-52123	D8-3	38-52134			D8-3	38-52110
D10-3	40-52126	D8-3	38-52135			D8-3	38-52112
D10-3	40-52127	D8-3	38-52136			D8-3	38-52125
D10-3	40-52128	D8-3	38-52138			D8-3	38-52126
D10-3	40-52131	D8-3	38-52140			D8-3	38-52127
D10-3	40-52132	D8-3	38-52142			D8-3	38-52130
D10-3	40-52133	D8-3	38-52143			D8-3	38-52137
D10-3	40-52134	D8-3	38-52144			D8-3	38-52139
D10-3	40-52137	D8-3	38-52148			D8-3	38-52141
D10-3	40-52138	D8-3	38-52149			D8-3	38-52146

F1-4.4
F2-2.1.1
F2-3.0.2
F5-1.6

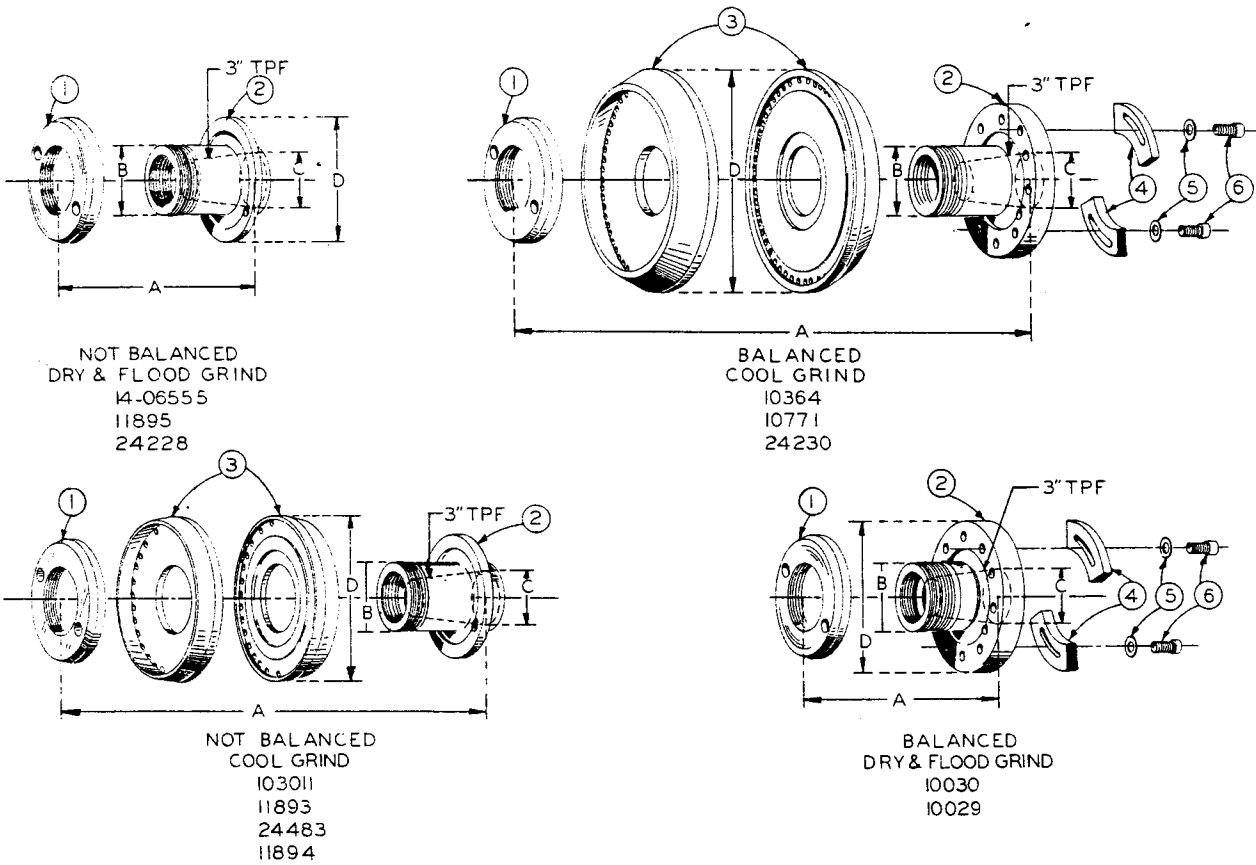


HI SPEED SPINDLE ATTACHMENT
F4-6.0

ALL MODELS
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TITLE F4-6.0
 HI SPEED SPINDLE ATTACHMENT CODE NO. _____

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.							
			1	2	3	4	5	6	7	
1	52268	Hi Speed Spindle Line Assembly	1							
	52210	. Hi Speed Spindle Sub-Assembly - D8, D10								1
	52712	. Hi Speed Spindle Sub Assembly - D6								1
2	52485	. . Belt Guard								1
3	42752	. . Motor Pulley 7-5/16 dia.								1
4	24760	. . Motor Pulley 4-9/16 dia.								1
5	24761	. . Motor Pulley 3-1/16 dia.								1
6	198425	. . Soc. Set Screw 1/4-20NC x 1/2								3
7	10739	. . Motor (1/2hp, 50/60 cycle, 3450 rpm, G.E.).								1
8	10773	. . Stud								2
9	199127	. . Hex Jam Nut 3/8-16NC								6
10	199323	. . Washer, Lock 5/16 Med.								4
11	198027	. . Hex Hd. Cap Scr. 5/16-18NC x 3/4								4
12	199262	. . Washer, Plain 5/16 SAE								5
13	10653	. . Spring								1
14	199264	. . Washer, Plain 3/8 SAE								1
15	198037	. . Hex Hd. Cap Scr. 5/16-18NC x 3-1/2								1
16	11192	. . Spacer (used on Ass'y. 52712 only)								1
17	199397	. . Drive Scr. P.K. #2 x 1/4								4
18	10704	. . Escutcheon								1
19	198299	. . Soc. Hd. Cap Scr. 1/2-13NC x 2-1/2								1
20	11193	. Pointer								1
21	52208	. . Spindle Pivot								1
22	52209	. . Adapter Housing (used on 52210 Ass'y)								1
23	52711	. . Adapter Housing (used on 52712 Ass'y)								1
23	198037	. . Hex Hd. Cap Scr. 5/8-18NF x 4-1/2								1
24	9906	. . Flat Belt								1
25	10654	. . Flat Belt (used on 52210 Ass'y.).								1
	15157	. . Flat Belt (used on 52712 Ass'y.).								1
26	10655	. . Flat Belt (used on 52210 Ass'y.).								1
	9269	. . Flat Belt (used on 52712 Ass'y.).								1
27	198219	. . Soc. Hd. Cap Scr. 10-24NC x 3/8								1
28	199258	. . Washer, Plain #10 SAE								1
29	198284	. . Soc. Hd. Cap Scr. 3/8-16NC x 2-1/4								2
30	24185	. . Hi Speed Spindle								1
31	8439	. . Sealtite Conduit								1
32	19553	. #14 Wire								As Req.
33	8437	. . Sealtite Connector								2
34	24828	. . Bracket								1
35	10737	. . Pushbutton Switch								1
36	10789	. . Cord Connector								1
37	7565	. . Portable Cord								1
38	10482	. . Female Plug								1
39	42782	. . Motor Pivot								1
40	42781	. . Motor Base								1
41	3618	. . Male Plug								1
42	10789	. . Cord Connector								1
43	Stk. #796	. . Portable Cord								1
44	9961	. . Hinge Pin								1
45	25219	. . Stub Shaft								1
46	13249	. . 1/4" Quill								1



MODEL	WHEEL SIZE	NOT BALANCED			BALANCED			SPECIFICATIONS									
		DRY	FLOOD	COOL	DRY	FLOOD	COOL	PART NO	A	B	C	D	PART NO	A	B	C	D
DH-612 & D6	7 x 1/2 x 1-1/4	14-06555	14-06555	103011 11893	10030	10030	10364	14-06555	3/4	1-1/4	1	2-1/4	24483	25/16	3	1-1/2	5-5/16
D6	8 x 3/4 x 1-1/4	11895	11895	11894	10029	10029	10771	11895	1-7/8	1-1/4	1	2-1/4	10364	15/16	1-1/4	1	2-3/4
D8	8 x 3/4 x 1-1/4	11895	11895	11894	10029	10029	10771	24228	2-5/16	3	1-1/2	5-5/16	10771	2-3/16	1-1/4	1	2-3/4
D8	10 x 3/4 x 3	24228	24228	24483	USE COOL GRIND ADAPT 24230		24230	103011	1-7/8	1-1/4	1	3-1/16	24230	25/16	3	1-1/2	5-5/16
D8	12 x 1 x 3	24228	24228	24483		24230	11893	1-7/8	1-1/4	1	4-1/4	10030	1-3/4	1-1/4	1	2-3/4	
D8	12 x 3/4 x 3	24228	24228	24483		24230	11894	2-3/16	1-1/4	1	2-1/4	10029	15/16	1-1/4	1	2-3/4	
D10	12 x 1 x 3	24228	24228	24483		24230											
D10	14 x 1 x 3	24228	24228	24483	24230												

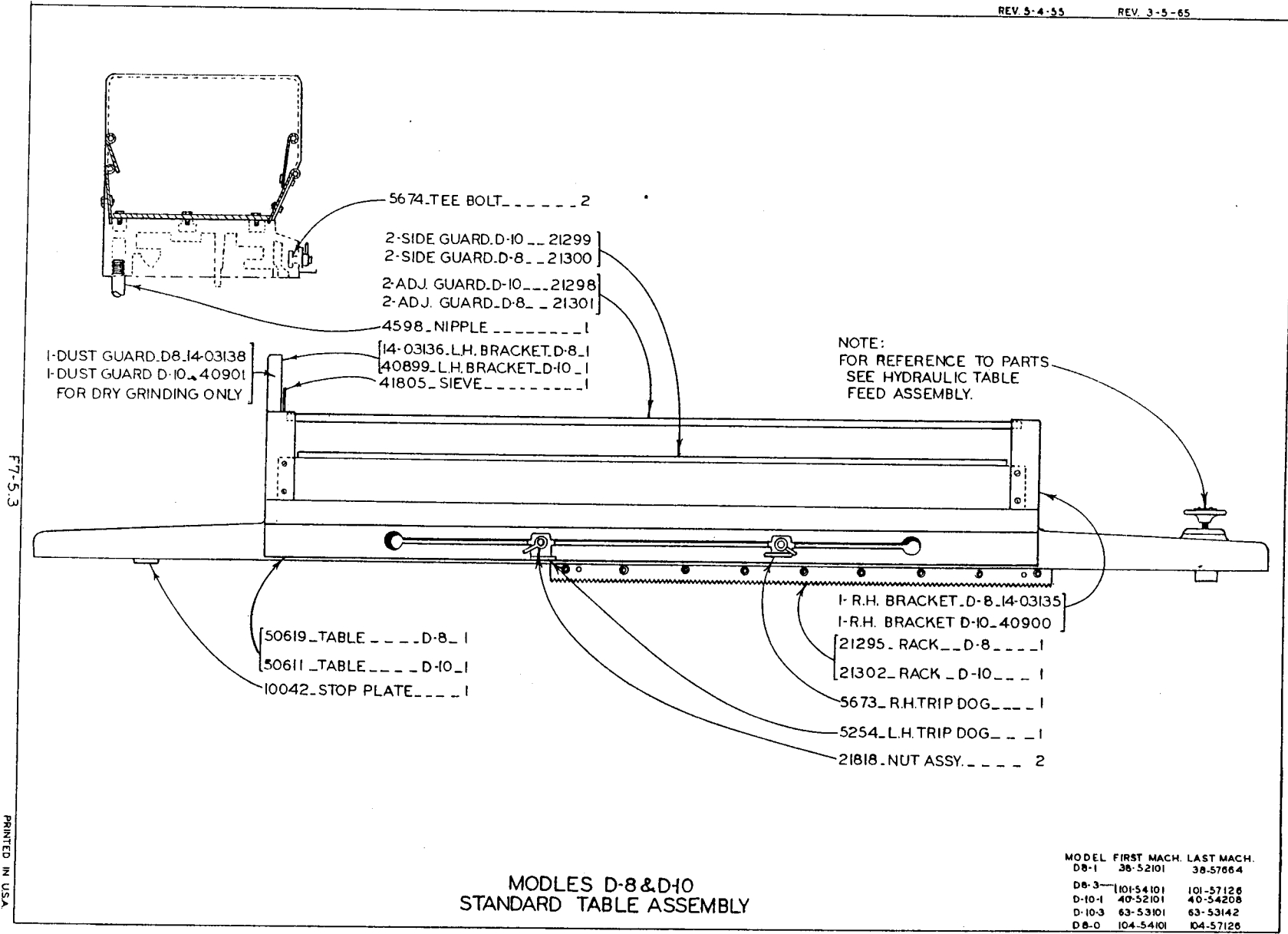
A = ADAPTOR WIDTH
 B = WHEEL BORE
 C = SHAFT DIAMETER
 D = ADAPTOR OR FLANGE DIAMETER

SPINDLE ADAPTORS

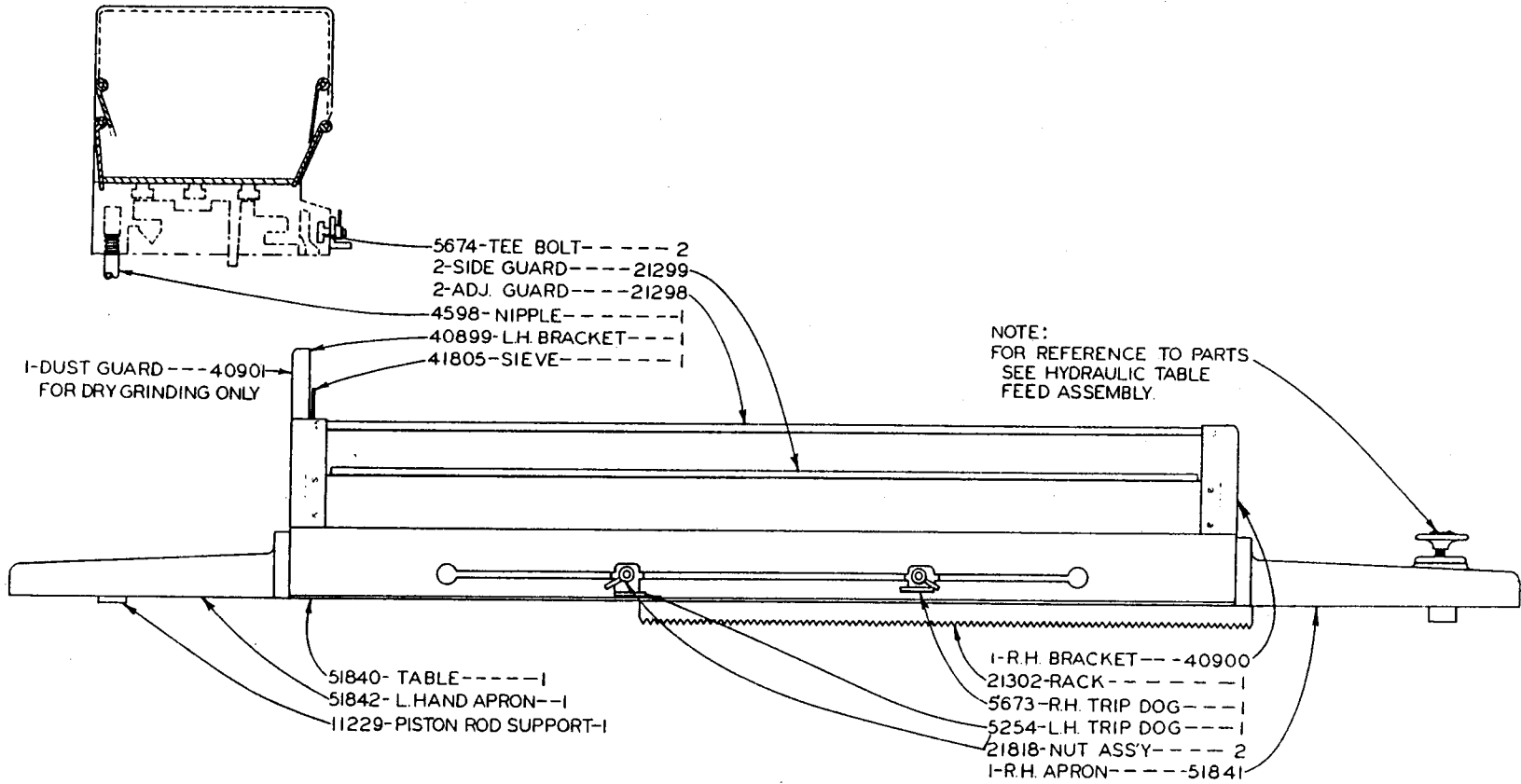
CODE NO. F4-5.0

SPINDLE ADAPTORS

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y
1	4678	L. H. Wheel Adaptor Nut (Used in Assemblies:) 14-06555, 11895, 11893, 103011, 11894, 10364, 10771, 10030 & 10029	1
	24231	Wheel Retainer (Used in Ass'y #24230)	1
	24484	Wheel Retainer (Used in Ass'y #24483)	1
	24227	Wheel Retainer (Used in Ass'y #24228)	1
2	23736	Wheel Adaptor (Used in Ass'y #14-06555)	1
	4677	Wheel Adaptor (Used in Ass'y #11895, #11893 & #103011)	1
	5803	Wheel Adaptor (Used in Ass'y #11894)	1
	24364	Wheel Adaptor (Used in Ass'y #10364 & #10029)	1
	24839	Wheel Adaptor (Used in Ass'y #10771)	1
	24366	Wheel Adaptor (Used in Ass'y #10030)	1
	42856	Wheel Adaptor (Used in Ass'y #24230 & #24483)	1
	42780	Wheel Adaptor (Used in Ass'y #24228)	1
3	10033	Adaptor Flange (Used in Assemblies 11893, 11894, 10364 & 10771)	2
	18266	Adaptor Flange (Used in Ass'y #103011)	2
4	10032	Balance Weight (Used in Assemblies #10364, #10771, #10029, & 10030)	2
5	199257	Washer #8 Medium (Used in Assemblies #10364, #10771, #10029, & 10030)	2
	199258	Washer #10 (Used in Ass'y #24230)	2
6	198210	Screw, Soc. Hd. Cap #8-32NC x 3/8 (Used in Assemblies #10364, #10771, #10029, & #10030)	2
		Screw, Soc. Hd. Cap 1/4-28NF x 1 3/4 (Used in Assemblies #24230, #24228, & #24483)	
		Screw, Soc. Hd. Cap #10-24NC x 3/8 (Used in Ass'y #24230)	2

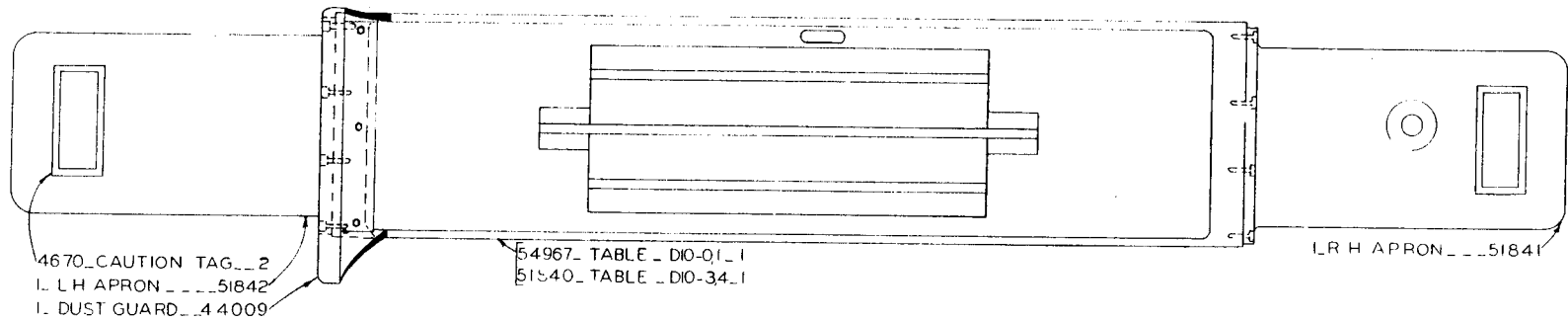
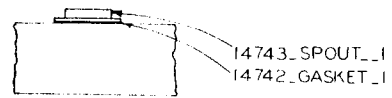


F7-5.5

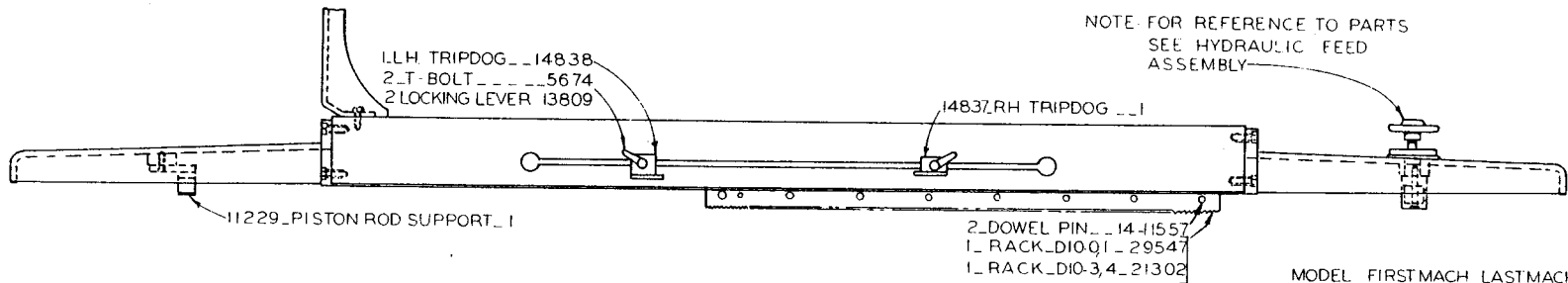


MODEL D10
 TABLE ASSEMBLY

MODEL	FIRST MACH.	LAST MACH.
D10-1	102-55101	102-57135
D10-3	63-54143	63-57177



FT-5.51

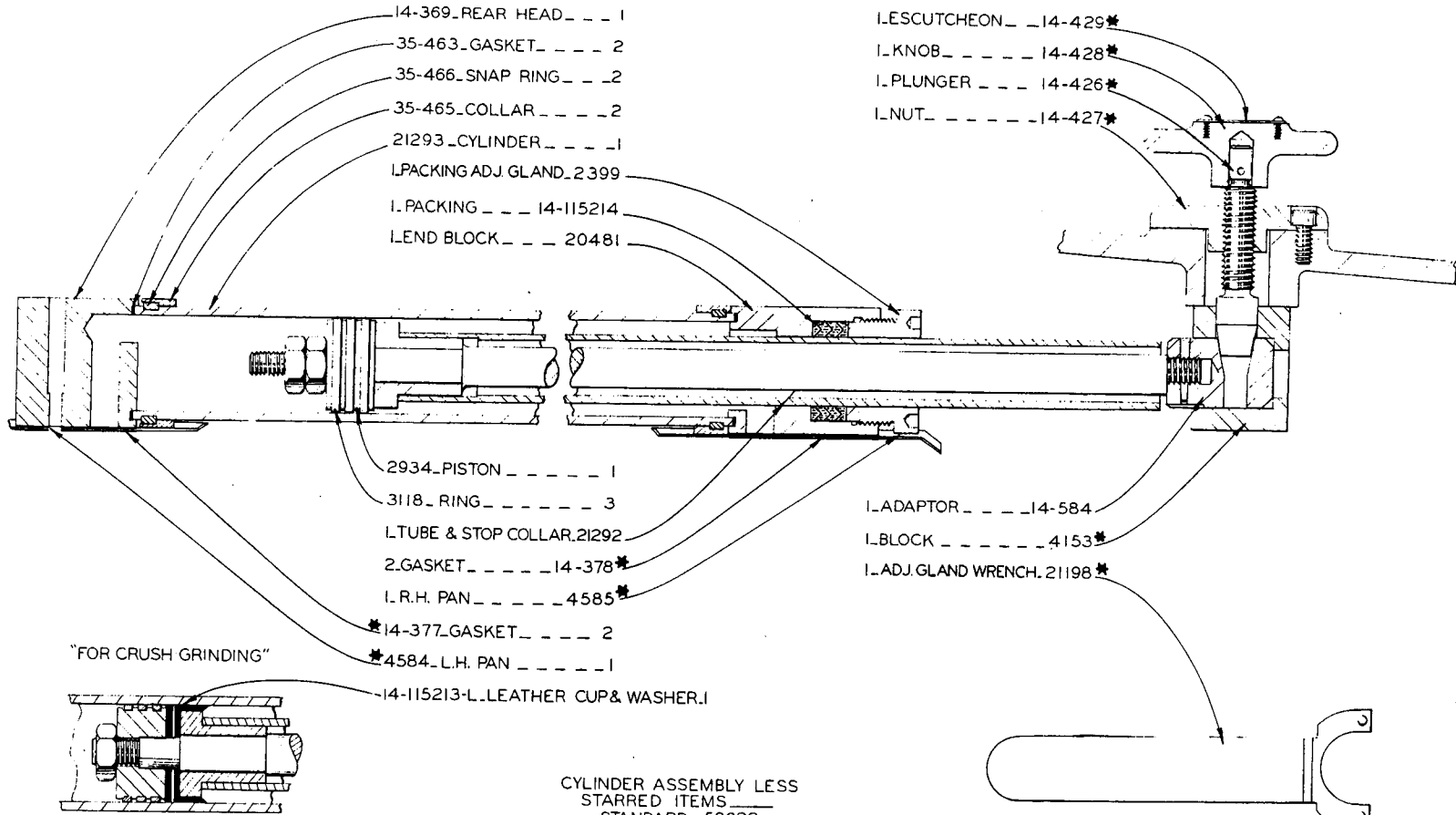


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TABLE ASSEMBLY

MODEL	FIRSTMACH	LASTMACH
D10-0	166-60101	166-64109
D10-1	102-57136	102-60163
	167-60101	167-64108
D10-3	63-57178	63-59194
	168-60101	168-64137
D10-4	169-60101	169-64130

FT-2.4

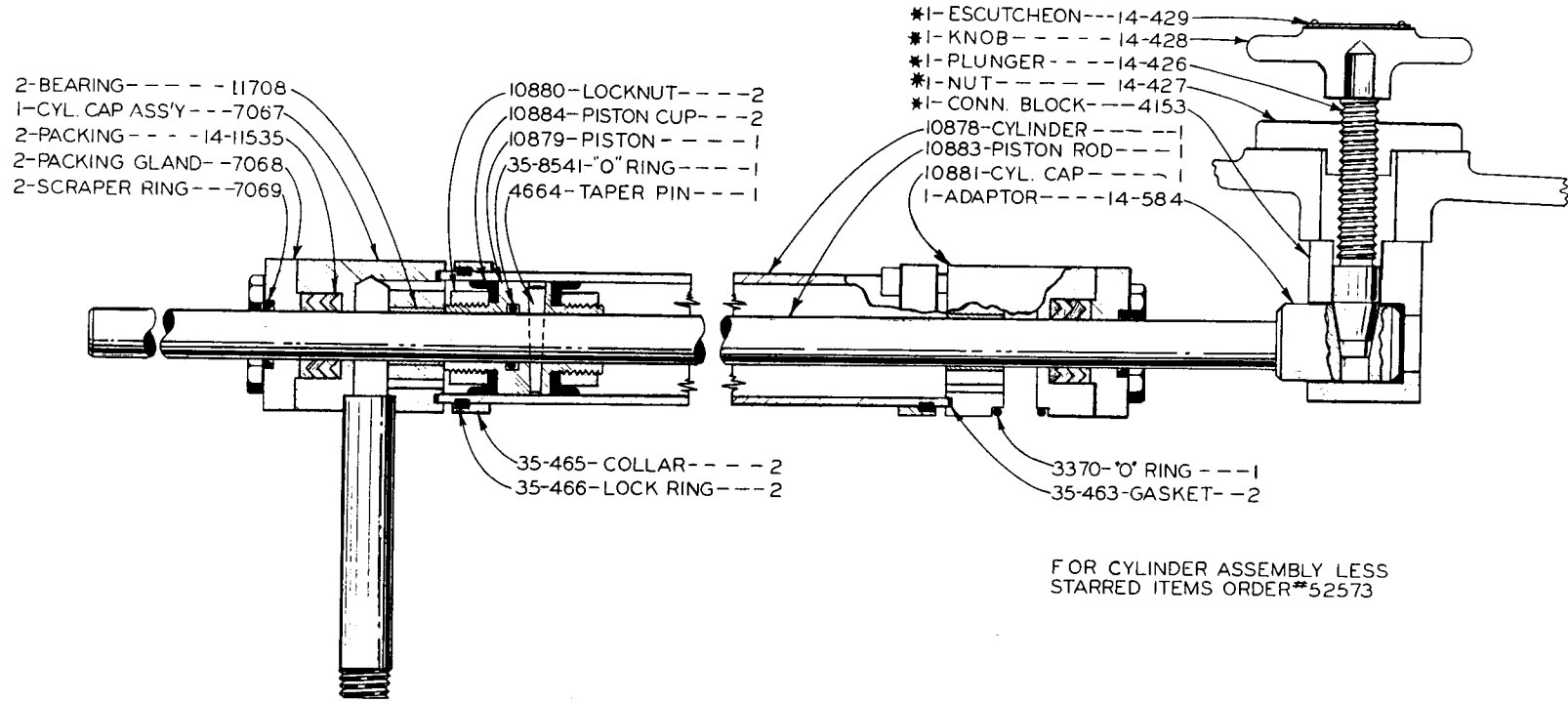


CYLINDER ASSEMBLY LESS
 STARRED ITEMS
 STANDARD _ 50622
 CRUSH GRIND. 41658

MODEL - D-10
 HYDRAULIC TABLE FEED

MODEL	FIRST MACH	LAST MACH
D-10-1	40-52101	40-54208
D-10-3	63-53101	63-54142

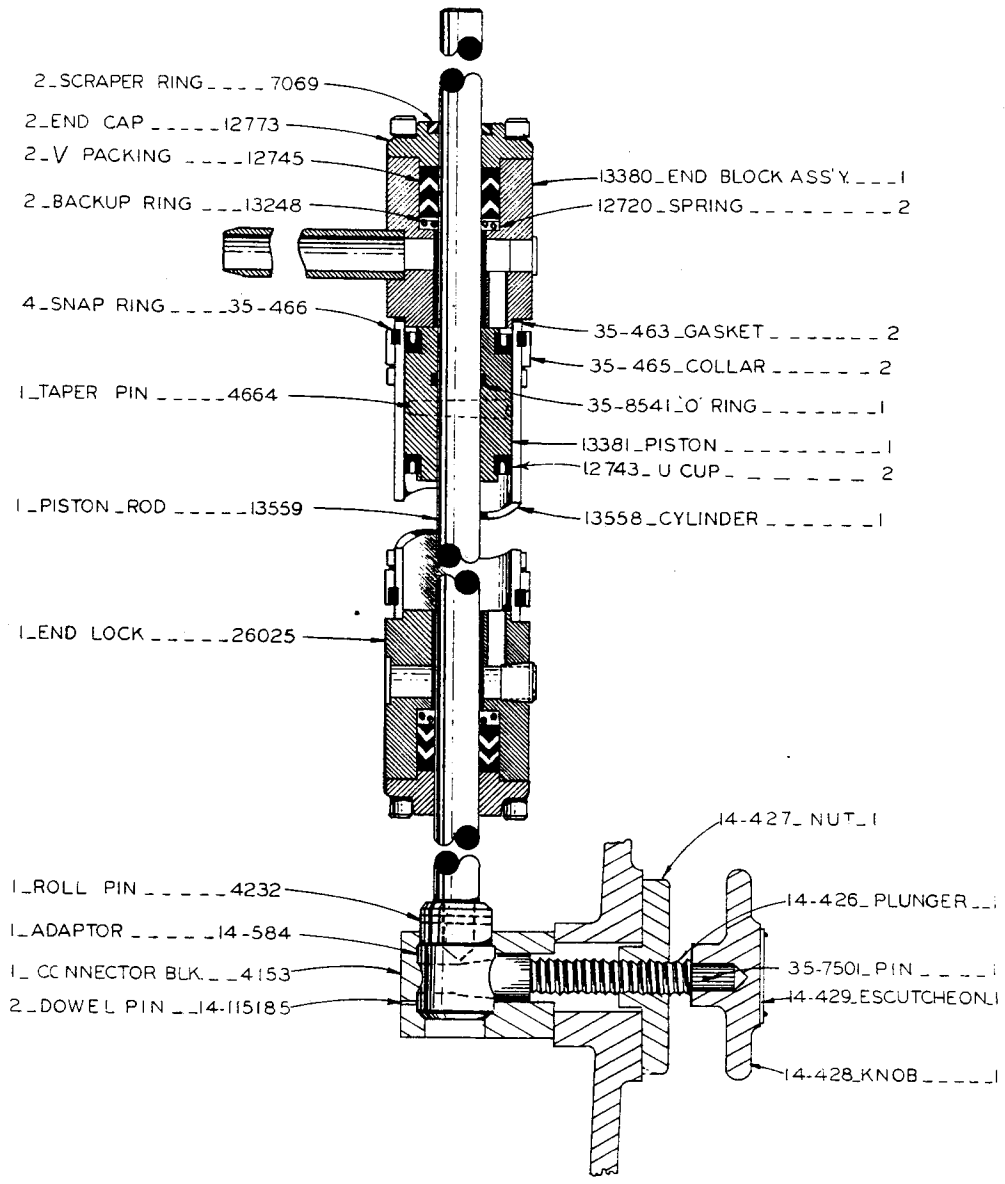
F7-2.41



FOR CYLINDER ASSEMBLY LESS
 STARRED ITEMS ORDER #52573

MODEL D10
 HYDRAULIC TABLE FEED

MODEL	FIRST MACH	LAST MACH
D10-1	102-55101	102-56132
D10-3	63-54143	63-56168



MODEL D10-3_D10-1
TABLE CYLINDER ASS'Y. 25984

MODEL	FIRST MACH.	LAST MACH.
D10-1	102-56133	102-57141
D10-3	63-56169	63-57180

DRW 11-7-56

F7-2.4.2

REVISIONS
6-20-68 BW

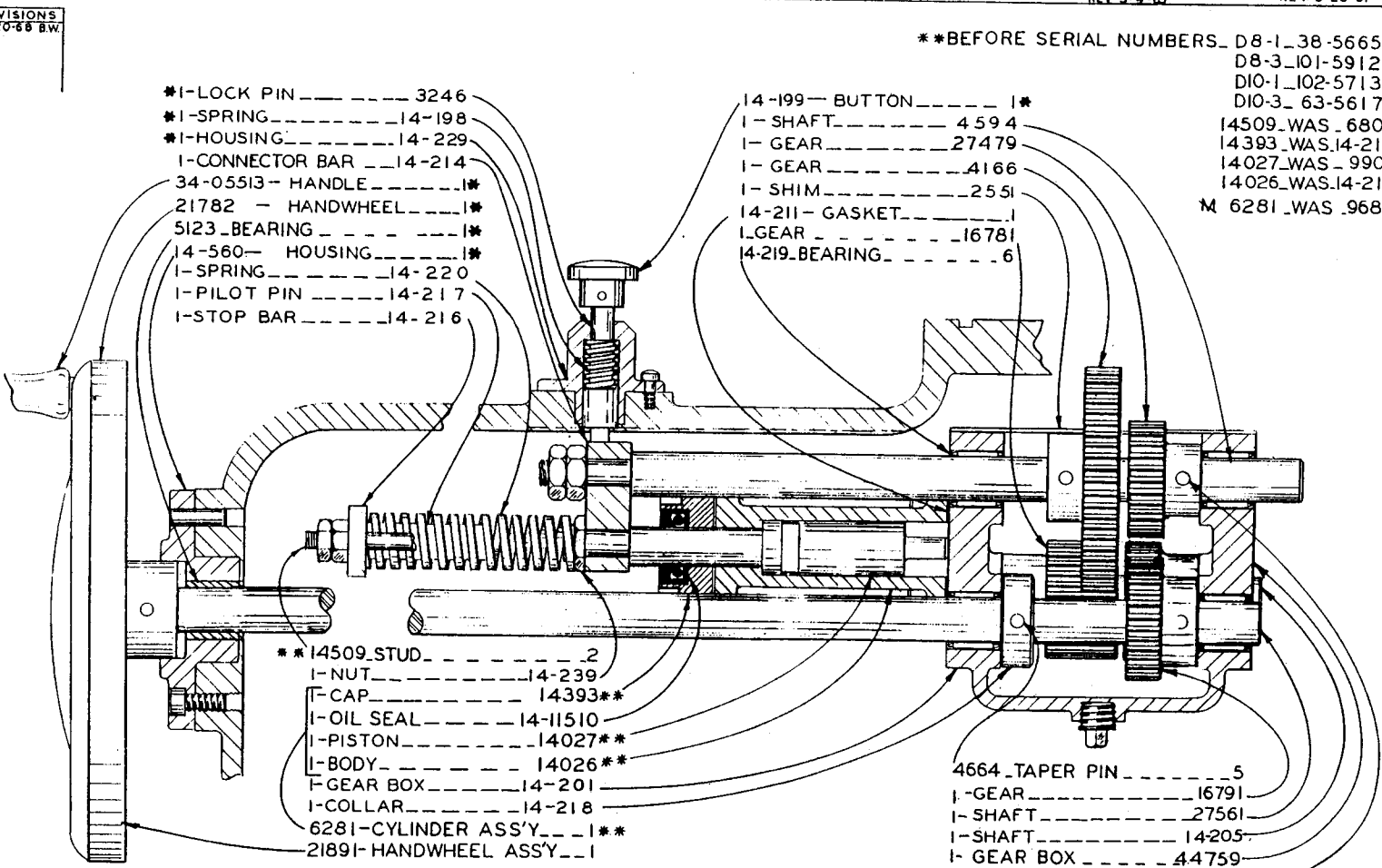
**BEFORE SERIAL NUMBERS_ D8-1_38-56656
D8-3_101-59126
D10-1_102-57137
D10-3_63-56175
14509_WAS_6806
14393_WAS_14-212
14027_WAS_9905
14026_WAS_14-210
M 6281_WAS_9689

- *1-LOCK PIN ----- 3246
- *1-SPRING ----- 14-198
- *1-HOUSING ----- 14-229
- 1-CONNECTOR BAR ----- 14-214
- 34-05513- HANDLE ----- 1*
- 21782 - HANDWHEEL ----- 1*
- 5123 BEARING ----- 1*
- 14-560- HOUSING ----- 1*
- 1-SPRING ----- 14-220
- 1-PILOT PIN ----- 14-217
- 1-STOP BAR ----- 14-216

- 14-199- BUTTON ----- 1*
- 1-SHAFT ----- 4594
- 1- GEAR ----- 27479
- 1- GEAR ----- 4166
- 1- SHIM ----- 2551
- 14-211- GASKET ----- 1
- 1-GEAR ----- 16781
- 14-219-BEARING ----- 6

- * 14509 STUD ----- 2
- 1-NUT ----- 14-239
- 1-CAP ----- 14393**
- 1-OIL SEAL ----- 14-11510
- 1-PISTON ----- 14027**
- 1-BODY ----- 14026**
- 1-GEAR BOX ----- 14-201
- 1-COLLAR ----- 14-218
- 6281-CYLINDER ASS'Y ----- 1**
- 21891-HANDWHEEL ASS'Y ----- 1

- 4664-TAPER PIN ----- 5
- 1-GEAR ----- 16791
- 1-SHAFT ----- 27561
- 1-SHAFT ----- 14-205
- 1- GEAR BOX ----- 44759
- 1-TAPER PIN ----- 4665



F7-1.3

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*NOTE: STARRED PARTS ARE NOT INCLUDED IN ASSEMBLY 41227
M 13548 CYL. ASSY WILL REPLACE ALL ASSEMBLIES USING O'RING ON PISTON.

MODEL D-8, D-10
ASSEMBLY 41227
MANUAL TABLE FEED

MODEL	FIRST MACH.	LAST MACH.
D-8-3	62-53101	101-57125
D-8-1	38-52101	38-54455
D-10-1	40-52101	101-57125
D-10-3	63-53101	63-56174

- 1. RELEASE CYL. BODY_14-210
- 1. RELEASE CYL. CAP_14-212
- 1. OIL SEAL_14-11510
- 1. PISTON_14-209

BEFORE SERIAL NOS

- D6-1 39-56811
- D6-3 61-56195

13548 CYL. ASSY_1

REVISIONS
8-2-68 B.W.

1. GASKET_14-211

- 1. ESCUTCHEON_14-393
- 1. HANDWHEEL SHAFT_D6,MTA6_27480
- 1. HANDWHEEL SHAFT_D8,10_27561
- 1. HANDWHEEL SHAFT_MTA7_29808
- 1. SPRING_14-220
- 1. STOP BAR_14-216

- 24534_TUBE_1
- TUBE TO MANUAL TABLE FEED CYL.
- 4 227_ROLLPIN_1*
- 14 199_BUTTON_1*
- 3246_LOCKPIN_1*
- 14-198_SPRING_1*
- 14-229_HOUSING_1*
- 14-11510_OIL SEAL_1**
- 4594_SHAFT_D8,10_1
- 14395_SHAFT_D6,MTA6-7_1

- 27479_GEAR_1
- 4259_ROLLPIN_D8-10_1
- 16782_IDLER SHAFT_1
- 14-218_COLLAR_3
- 14-219_NEEDLE BEARING_6
- 4261_ROLLPIN_6
- 16791_GEAR_1
- 44759_GEAR BOX_1
- 16781_GEAR_1

F7-1.2 GS-100.1

- 1. HOUSING ASSY_35-5123
- 1. BEARING HOUSING_14-560
- 1. BEARING_5123
- 1. TABLE HANDWHEEL_21782
- 1. SPEED CH. HANDLE_34-05513

- 1. HANDWHEEL ASSY_21891
- 1. PILOT PIN_14-217
- 1. HEX NUT_14-239
- 1. CONN. BAR_D8-10_14-214
- 1. CONN. BAR_D6,MTA6-7_14396
- 2. STUD_D8-10_14509
- 1. END CAP_14393

- *AFTER SERIAL NOS
- D8-0 104-56127 D10-1 102-56136
 - D8-1 38-56556 D10-3 63-56175
 - D6-3 101-56126 D10-4 169-60101
 - D10-0 166-60101
 - 1. CYL. ASSY_17784

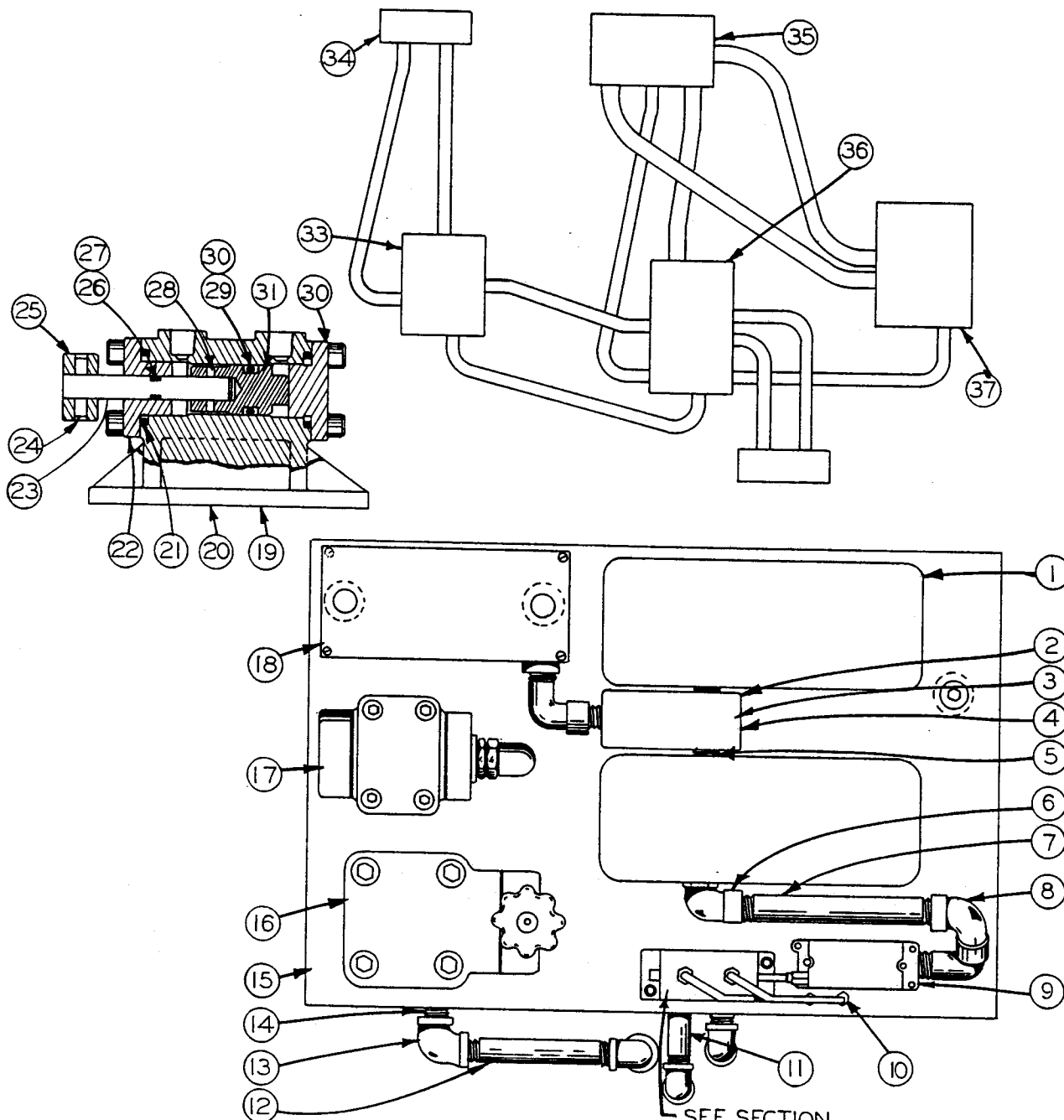
- 14-211_RELEASE CYL GASKET_1**
- 14027_PISTON_D8-10_1*
- 14394_PISTON_D6,MTA6-7_1*
- 14026_CYLINDER_D8-10_1*
- 14392_CYLINDER_D6,MTA6-7_1*
- 11794_SOC. HD PIPE PLUG_2
- *AFTER SERIAL NOS
- D6-1 3956810
- D6-3 61-56194
- MTA6 113-56101
- MTA7 158-59101
- 6281_CYL ASSY_1

*NOTE: MANUAL TABLE FEED
LESS STARRED PARTS, ORDER
D6,MTA6_35-40086
MTA7,701D_46013
D8,10_41227

MANUAL TABLE FEED

MODEL	FIRST MACH	LAST MACH
MTA-7	158-59101	158-60106
MTA-70	178-60101	175-74142
70 10	187-61101	197-74256
D6-1	39-52101	39-641226
D6-3	61-53101	61-63250
D6-0	104-54101	104-63204
D8-1	38-52101	38-64852
D6-3	101-54101	101-63209
D10-0	166-60101	166-64109
D10-1	102-54101	102-60163
	167-60101	167-64108
D10-3	63-53101	63-54142
	168-60101	168-64137
D10-4	169-60101	169-64130
MTA-6 & 1	113-56115	113-60206
MTA-60	177-60101	177-75163

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NOTE: THIS PAGE COVERS MACHINES THROUGH THESE SER. NUMBERS EXCEPT THOSE LISTED ON THE BACK OF PAGE F2-30.2

VALVE PANEL ASSY

SEE SECTION

MODEL	FIRST MACH	LAST MACH
D6-3	61-53101	61-57200
D8-0	104-54101	104-57132
D8-1	38-52101	38-57705
D8-3	62-53101	62-54121
	101-54101	101-57140
D10-1	40-52101	40-54208
	102-54101	102-57144
D10-3	63-53101	63-57183
D6-1	39-52101	39-57844

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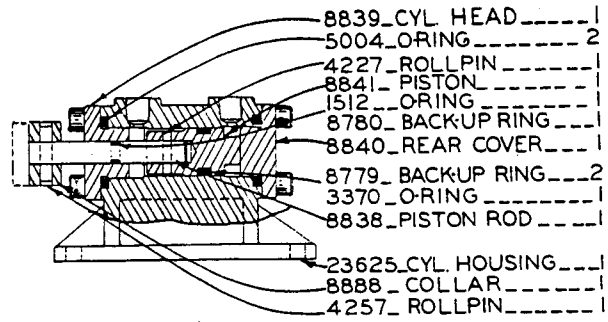
TITLE

F2-3.0

CODE NO.

HYDRAULIC VALVE PANEL ASS'Y.

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.															
			1	2	3	4	5	6	7									
1	5503	4 Way Valve																2
2	21893	Connection Box																1
3	5255	Cover																1
4	5256	Gasket																1
5	5257	Nipple																1
6	19559	Elbow																3
7	14-607	Nipple																1
8	5505	Elbow																1
9	5914	Limit Switch																3
10	14-115195	Union																1
11	35-540	Nipple																6
12	14-660	Nipple																1
13	17-13515	Elbow																2
14	14-366	Nipple																4
15	41139	Panel																1
16	5504	Relief Valve																1
17	5501	Sequence Valve																1
18	4138	Terminal Box																1
19	23602	Cylinder Assembly																1
20	23625	. Cylinder Housing																1
21	5004	. O-Ring																1
22	8839	. Cylinder Head																2
23	8838	. Piston Rod																1
24	4257	. Roll Pin																1
25	8888	. Collar																1
26	1512	. O-Ring																1
27	8780	. Back-up Ring																1
28	4227	. Roll Pin																1
29	8779	. Back-up Ring																1
30	3370	. O-Ring																2
31	8841	. Piston																1
32	8840	. Rear Cover																1
33	23631	Manifold																1
34	8852	Manifold																1
35	42914	Manifold																2
36	23630	Manifold																1
37	23632	Manifold																1



- 8839_CYL HEAD ----- 1
- 5004_ORING ----- 2
- 4227_ROLLPIN ----- 1
- 8841_PISTON ----- 1
- 1512_ORING ----- 1
- 8780_BACK-UP RING ----- 1
- 8840_REAR COVER ----- 1
- 8779_BACK-UP RING ----- 2
- 3370_O-RING ----- 1
- 8838_PISTON ROD ----- 1
- 23625_CYL. HOUSING ----- 1
- 8888_COLLAR ----- 1
- 4257_ROLLPIN ----- 1

CYL. ASSY. 23602

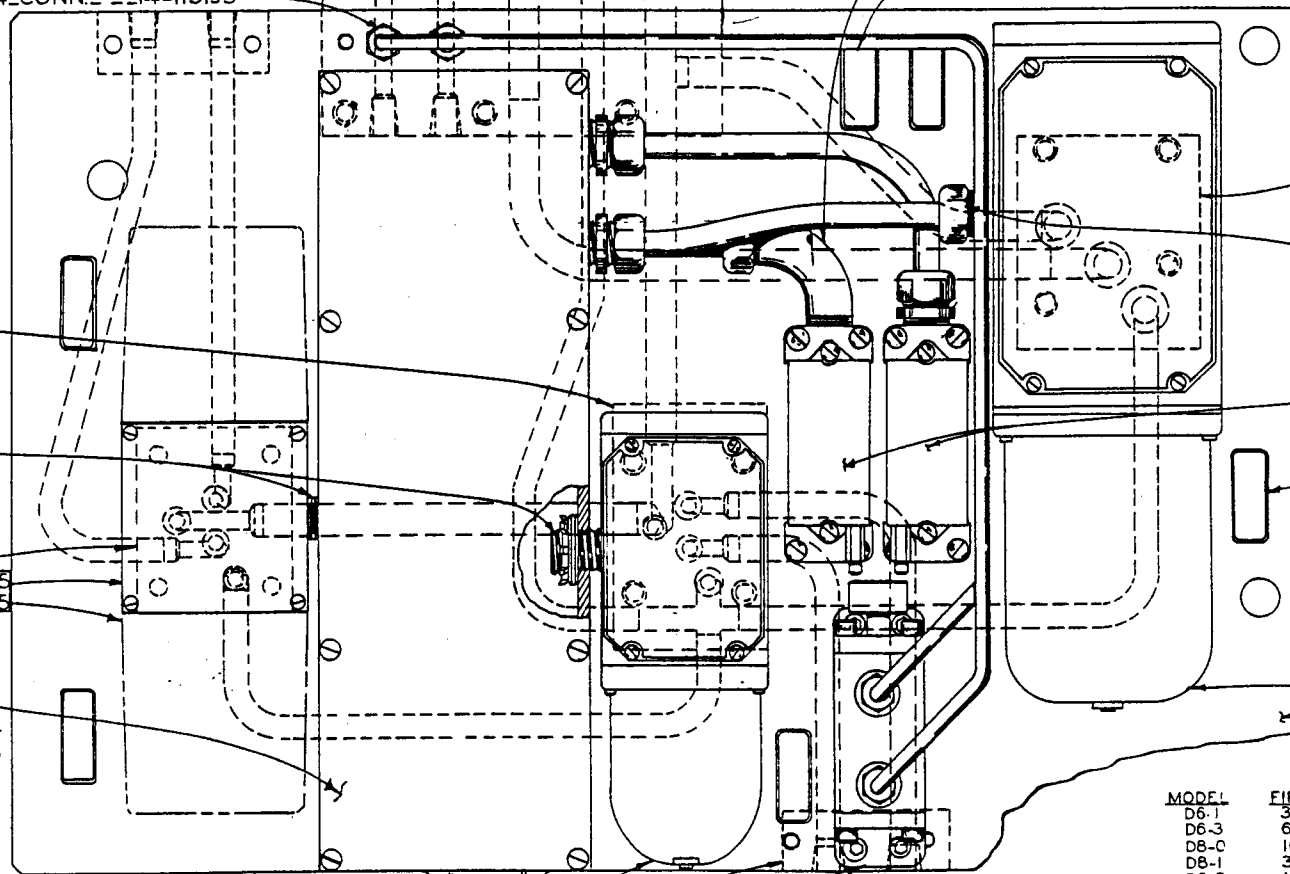
NOTE: WHEN ORDERING PISTON
OR HOUSING ORDER COMP ASSY

4_CONN. --- 14-115195

NOTE: WHEN ORDERING TUBING
SPECIFY LENGTH, SIZE &
STOCK NO.
3/8 DIA. STK. NO 203
1/2 DIA. STK. NO 204

- 53796_MANIFOLD ASSY. --- 1
- 4122_O-RING ----- 2
- 42914_MANIFOLD ----- 1
- 3370_O RING ----- 4

- 16160_ELBOW CONN. --- 1
- 9135_ESCHUTCHEON --- 2



1 MANIFOLD --- 23630

- 8_ORING ----- 15061
- 2_NIPPLE ----- 14-6611
- 2_BONDNUT ----- 19543
- 2_SEAL ASSY. --- 11112
- 1_FLANGE WASHER 14411
- 1_O-RING ----- 14505
- 1 MANIFOLD ----- 23631
- 1_COVER PLATED D6 DIO 16555
- 1_VALVE_D6 ----- 8895

- 1_BOX ASSY. --- 42353
- 1_GASKET (NOT SHOWN) 23624
- 1_COVER --- 23623
- 1_TERMINAL BOX --- 42354
- 1_TERMINAL BLOCK --- 10856

23632_MANIFOLD --- 1

15835_CONN. --- 5

5914_LIMIT SWITCH --- 2

11282_ESCHUTCHEON --- 4

5503_VALVE ----- 1
51926_PANEL ----- 1

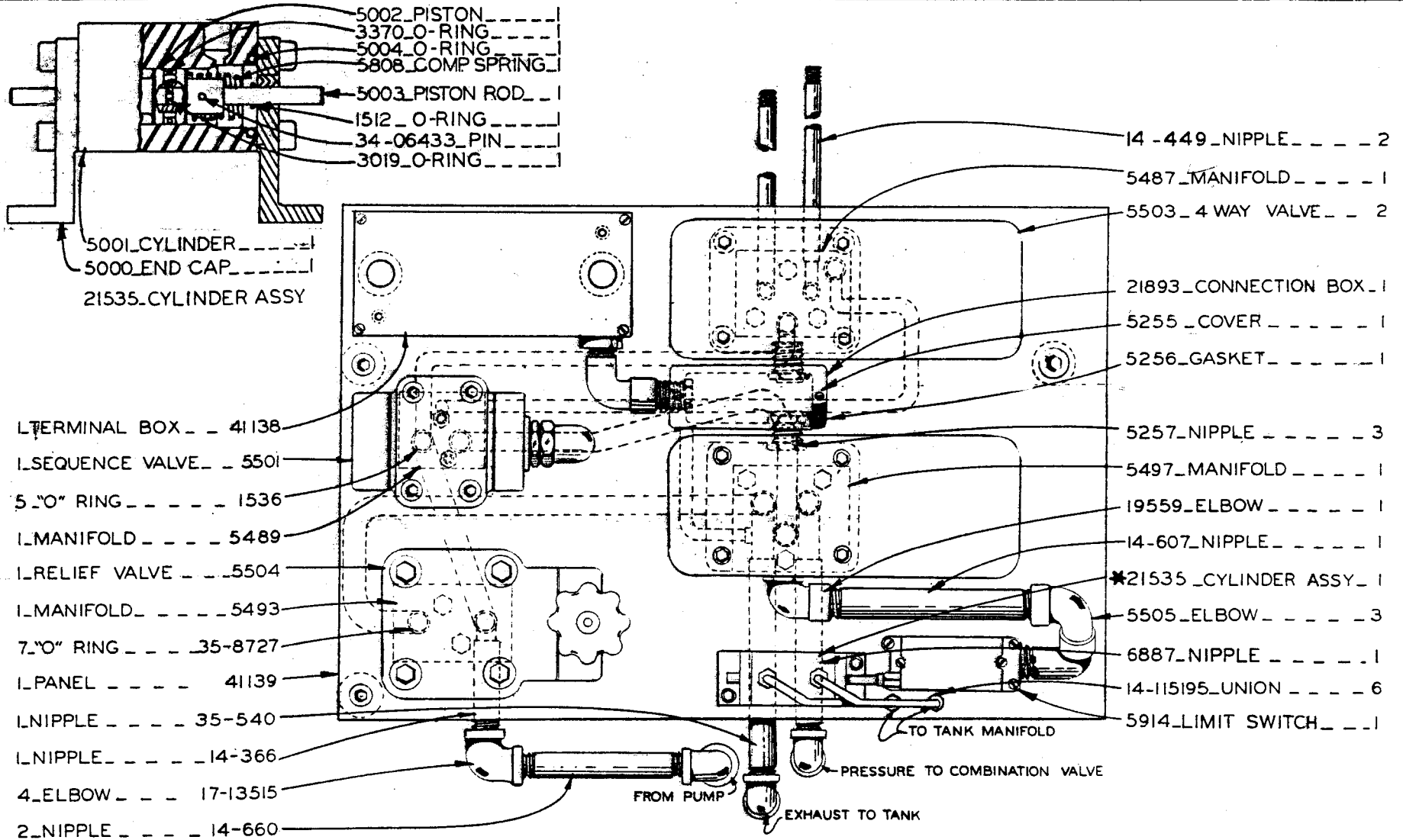
- 1_VALVE ----- 13411
- 2_MANIFOLD ----- 8852
- 1_CYL. ASSY. --- 23602

VALVE PANEL ASSY FOR
AUTO DOWNFEED

MODEL	FIRST MACH	LAST MACH
D6-1	39-57845	39-64125
D6-3	61-57201	61-63250
D8-0	104-57133	104-63204
D8-1	38-57706	38-64852
D8-3	101-57141	101-63209
D10-0	166-6010	166-64109
D10-1	102-57145	102-60163
	167-60101	167-64102
D10-3	63-57184	63-59194
	168-60101	168-64137
D10-4	169-60101	169-64130

F2-301

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F2-3.02

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*NOTE: LIMIT SWITCH OPERATING CYLINDER
SOLD ONLY AS A COMPLETE ASSEMBLY.

MODEL D-8, D-10
HYDRAULIC VALVE PANEL ASSEMBLY

NOTE: FOR SERIAL NUMBERS
USING THIS ASSY SEE
BACK OF PAGE.

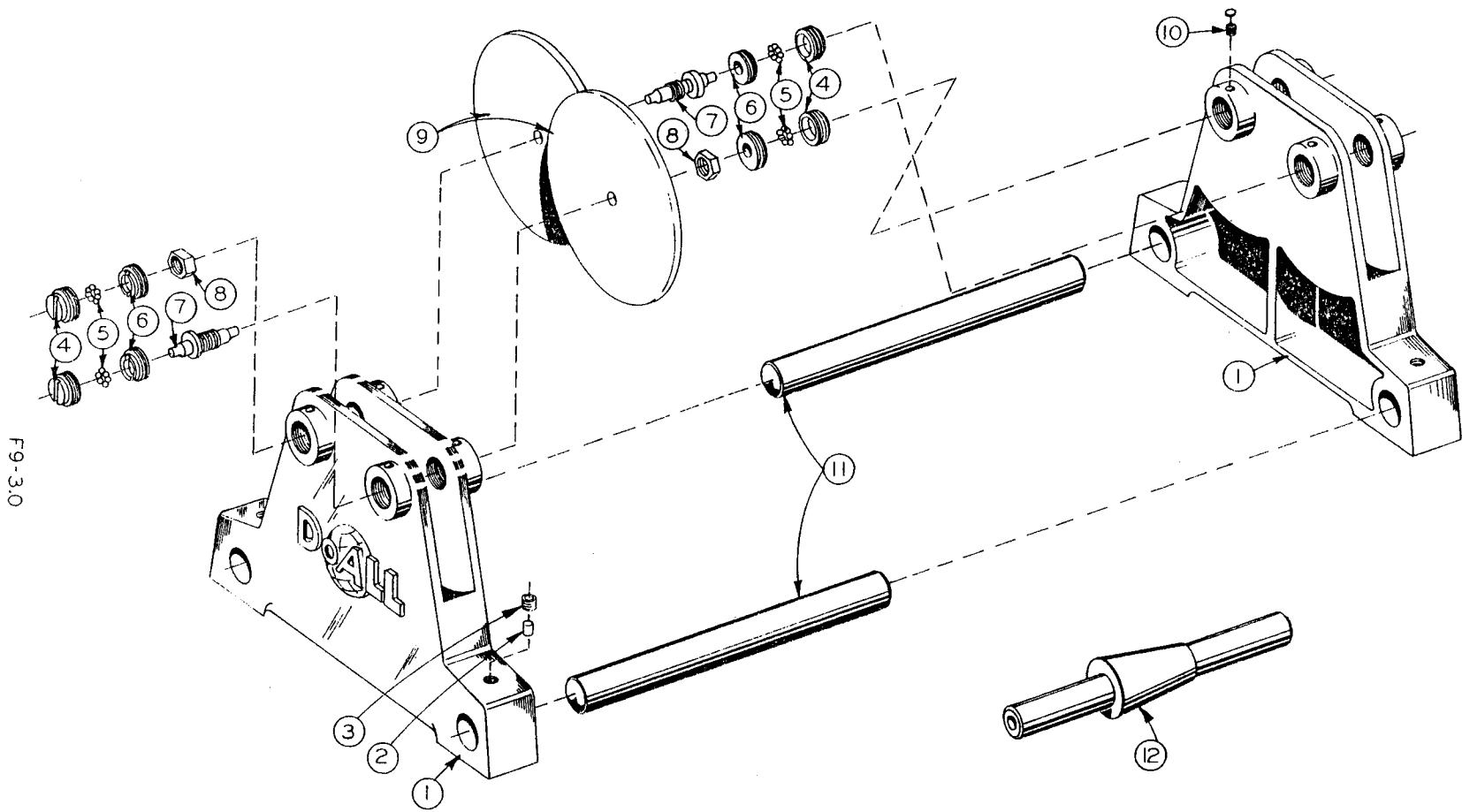
Parts listed on opposite side of page cover only machines with the following serial numbers sold originally to the following companies:

Oldsmobile
Chrysler Jet Engine
Saginaw Steering

Thompson Products
Kelsey Hayes

OLDSMOBILE		OLDSMOBILE		OLDSMOBILE		CHRYSLER JET ENGINE	
D10-3	40-52102	D8-3	38-52101	D8-3	38-52150	D8-3	38-52156
D10-3	40-52103	D8-3	38-52102	D8-3	38-52151	D8-3	38-52158
D10-3	40-52104	D8-3	38-52103	D8-3	38-52153	D8-3	38-52159
D10-3	40-52105	D8-3	38-52104	D8-3	38-52154	D8-3	38-53197
D10-3	40-52110	D8-3	38-52105	D8-3	38-52155		
D10-3	40-52111	D8-3	38-52106	D8-3	38-52165		
D10-3	40-52112	D8-3	38-52107	D8-3	38-52166	SAGINAW STEERING	
D10-3	40-52113	D8-3	38-52109	D8-3	38-52167	D10-3	40-52129
D10-3	40-52114	D8-3	38-52111	D8-3	38-52168		
D10-3	40-52115	D8-3	38-52113	D8-3	38-52169	THOMPSON PRODUCTS	
D10-3	40-52116	D8-3	38-52118	D8-3	38-52170	D8-1	38-52123
D10-3	40-52117	D8-3	38-52121	D8-3	38-52174	D8-1	38-52124
D10-3	40-52118	D8-3	38-52122	D8-3	38-52175	D8-1	38-52131
D10-3	40-52119	D8-3	38-52128			D8-1	38-52157
D10-3	40-52120	D8-3	38-52129				
D10-3	40-52121	D8-3	38-52132			KELSEY HAYES	
D10-3	40-52122	D8-3	38-52133			D8-3	38-52110
D10-3	40-52123	D8-3	38-52134			D8-3	38-52112
D10-3	40-52126	D8-3	38-52135			D8-3	38-52125
D10-3	40-52127	D8-3	38-52136			D8-3	38-52126
D10-3	40-52128	D8-3	38-52138			D8-3	38-52127
D10-3	40-52131	D8-3	38-52140			D8-3	38-52130
D10-3	40-52132	D8-3	38-52142			D8-3	38-52137
D10-3	40-52133	D8-3	38-52143			D8-3	38-52139
D10-3	40-52134	D8-3	38-52144			D8-3	38-52141
D10-3	40-52137	D8-3	38-52148			D8-3	38-52146
D10-3	40-52138	D8-3	38-52149				

F1-4.4
F2-2.1.1
F2-3.0.2
F5-1.6



F9-310

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WHEEL BALANCING STAND

FOR ALL GRINDERS

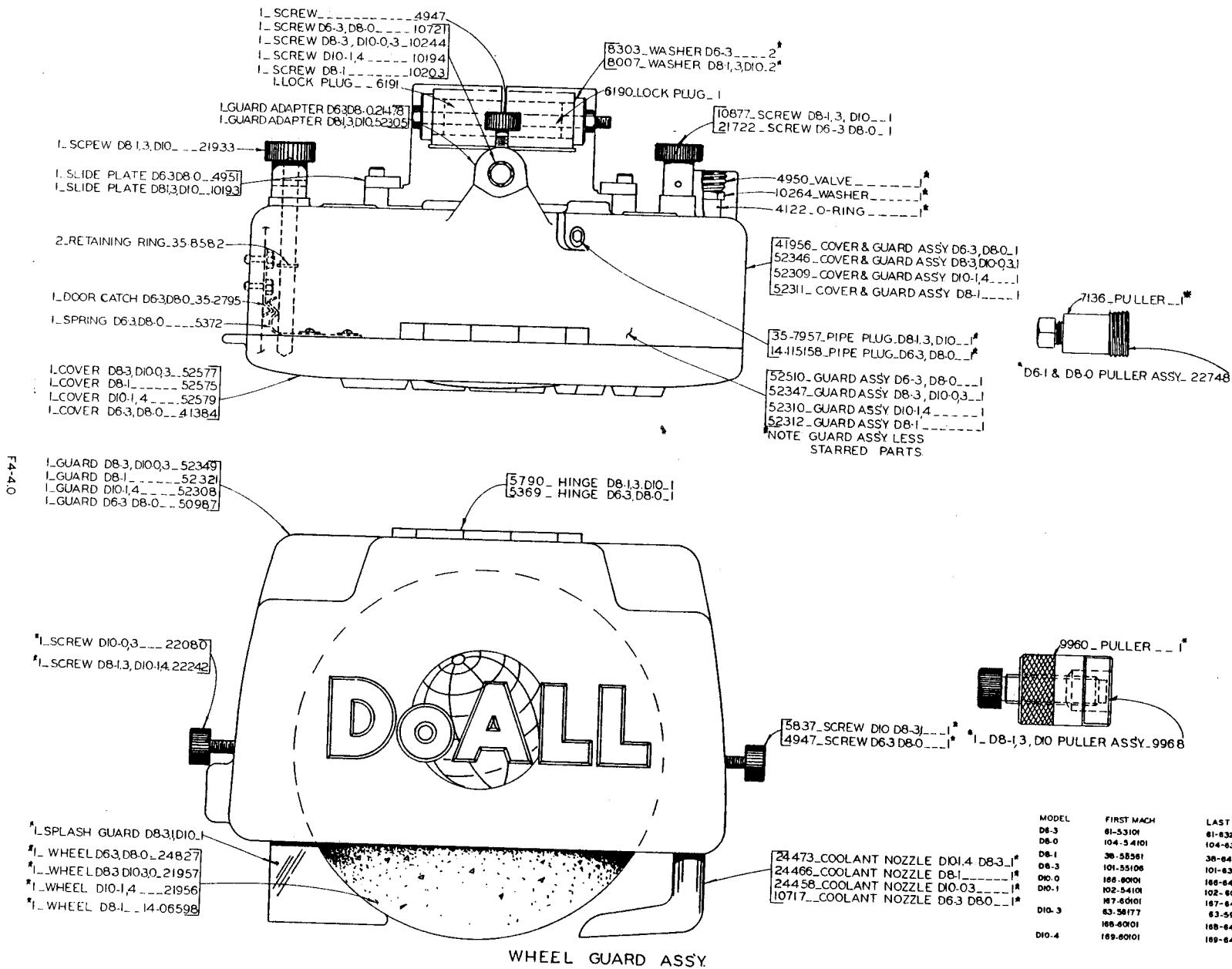
ADH 1-14-62

CODE NO. F9-3.0

WHEEL BALANCING STAND

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y
Ref.	51633	Wheel Balancing Stand Assembly	
1	52005	. Bracket.....	2
2	10305	. Brass Plug.....	4
3	198434	. Screw, Soc. Set 5/16-18NC x 1/4.....	4
4	7666	. Outer Nut.....	8
5	34-01518	. Steel Ball.....	48
6	7667	. Inner Nut.....	8
7	7915	. Spindle.....	4
8	199128	. Nut, Hex. Jam 3/8-24NF.....	4
9	7913	. Wheel.....	4
10	101023	. Set Screw.....	8
	101024	. Plug.....	8
11	7668	. Rod.....	2
*12	23152	. Arbor (1 9/16" Dia. x 8 1/2").....	1
	23153	. Arbor (1" Dia. x 7").....	1
	26161	. Arbor (2" Taper 2 1/8" Dia. x 8 1/2").....	1

*NOTE: Starred items are not part of wheel balancing #51633. Order as required.



WHEEL GUARD ASSY

MODEL	FIRST MACH	LAST MACH
D6-3	81-53101	81-83250
D8-0	104-34101	104-83204
D8-1	38-58581	38-84852
D8-3	101-55108	101-83209
D8-0	186-80001	186-84109
D10-1	102-94101	102-80183
	117-85101	117-84108
D10-3	83-58177	83-99194
	188-60001	188-84137
D10-4	189-60001	189-84130

