

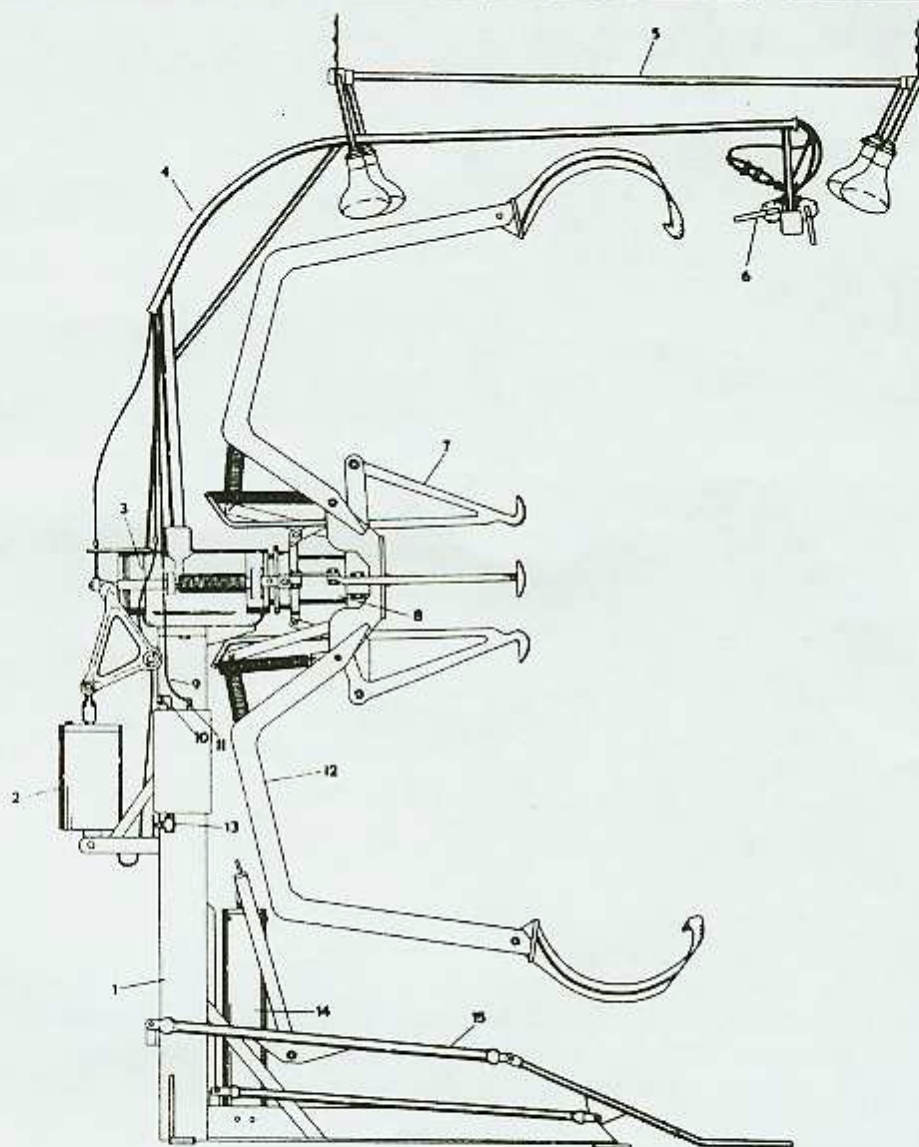
Branick

Tire Handling Equipment

Repair Parts Information

Full Circle Type Tire Spreader

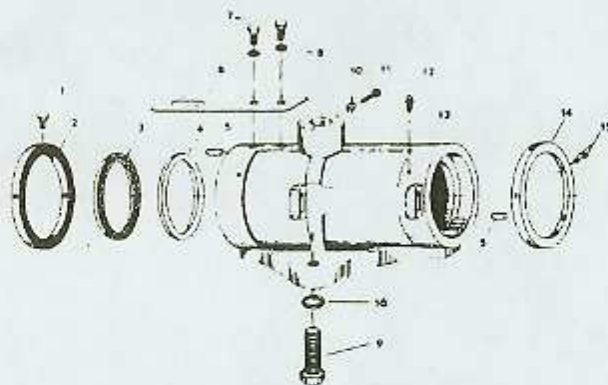
MODEL EF



MODEL "EF" GENERAL ASSEMBLY

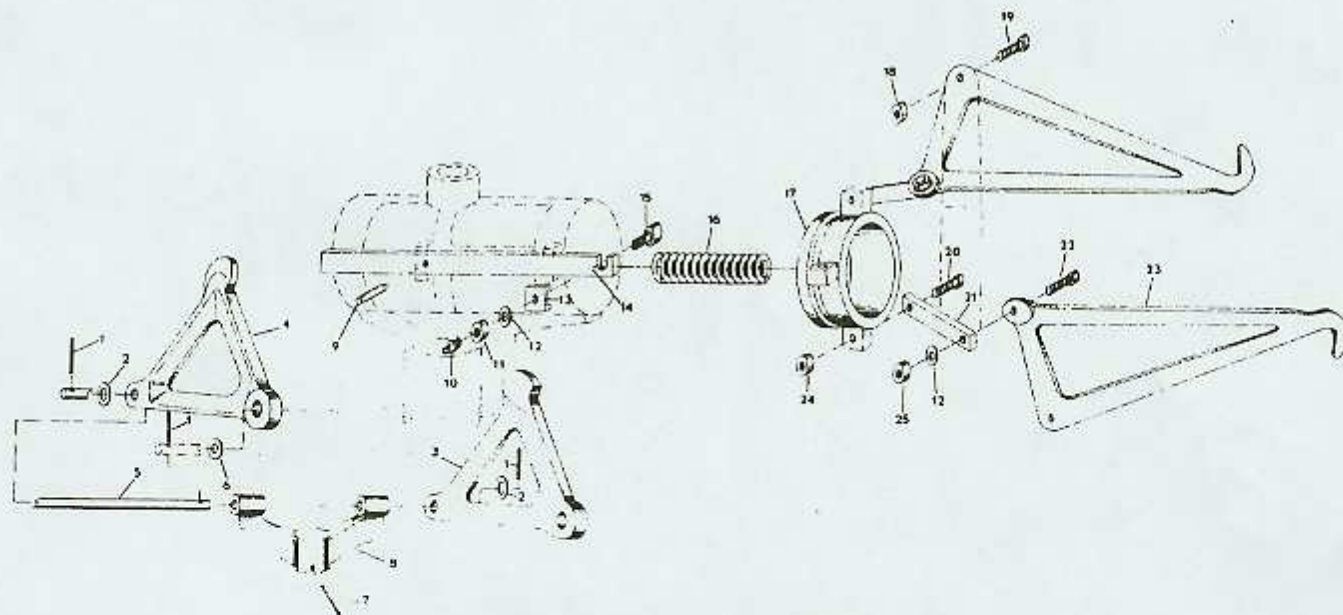
ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION	PAGE NO.
1	ND 3.900	EF-50	1	Base & Column	PG. 1
2			1	Dia. Arm Cylinder Assy.	PG. 3
3	ND 476.900		1	Housing Assembly	PG. 2
4			1	Valve Post Assy.	PG. 6
5	ND 14.900		1	Light Fixture Assembly	PG. 6
6	ND 12.900		1	Valve Assembly	PG. 7
7			1	Dia Arm & Linkage	PG. 2
8			1	Spread Cylinder Assy.	PG. 3
9	ND 11.268	1571	1	1/4" x 26" Impolene Air Line	PG. 1
10	ND 38.096	216	1	1/4"-90° St. Ell.	PG. 1
11	ND 34.096	3480	1	1/4 - 1/4 Male Elbow	PG. 1
12			1	Spread Arm Components	PG. 4
13	ND 5.190	151	1	1/4 NPT Drain Cock	PG. 1
14			1	Lift Cylinder Assembly	PG. 5
15			1	Lift Cradle & Linkage	PG. 5

REPAIR PARTS LIST FOR MODEL EF SPREADER



ND 476.900 HOUSING ASSEMBLY

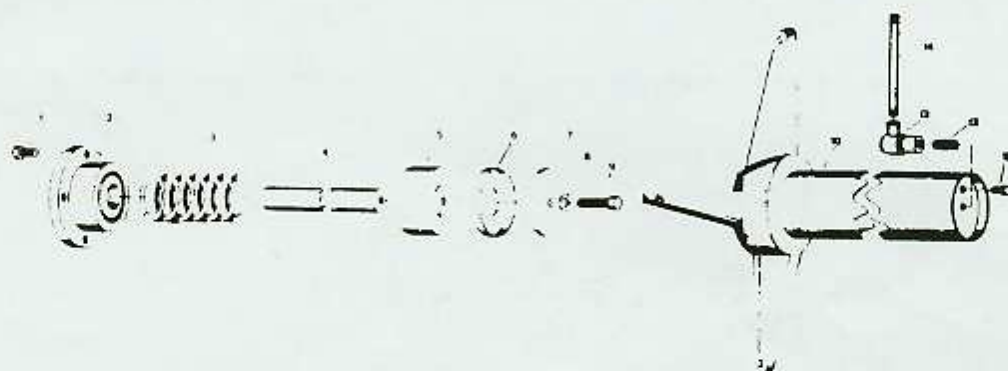
ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION	ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 46.028		4	3/8" x 1 1/4" H.H.C.S.	10	ND 2.055	311	1	5/16" N.C. H.H. Jam Nut
2	ND 1.107	77	1	Rear Collar	11	ND 3.028	383	1	5/16" x 1 1/4" Set Screw
3	ND 4.107	122F	1	Ball Thrust Bearing	12	ND 8.096	123	2	1/4" Grease Zerk
4	ND 2.107	121	1	Inner Ball Race	13	ND 27.950	A52	1	Housing
5	ND 1.281	120	80	Bearing Roller	14	ND 3.107	76F	1	Front Collar
6	ND 15.111		1	Air Line Bracket	15	ND 4.028	380	10	5/16" x 1/4" Socket Set Screw
7	ND 2.028	326	2	5/16" x 5/8" N.C. H.H.C.S.	16	ND 26.108		2	5/8" Shakeproof Washer
8	ND 67.108		2	5/16" Shakeproof Washer	17	ND 210.055		4	3/8" N.C. Hex Locknut
9	ND 16.028	356	2	5/8" x 1 3/4" N.C. H.H.C.S.					



DIAMETER ARMS & LINKAGE

ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION	ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 5.061	378	4	1/8" x 1" Drive Pin	14	ND 3.104	69F	2	Slide Bar
2	ND 3.039	296	2	7/16" Machine Bushing	15	ND 2.281	70F	2	1" Cam Roller
3	ND 1.157	58R	1	Bell Crank R. H.	16	ND 2.110	101	2	Spring
4	ND 2.157	58L	1	Bell Crank L. H.	17	ND 1.489	55	1	Sliding Collar
5	ND 14.149	108FR	1	Pivot Shaft	18	ND 58.055		4	1/2" N. C. H.H. Lock Nut
6	ND 2.039	298	2	3/4" Machine Bushing	19	ND 6.028	345	4	1/2" x 2" N. C. H.H.C.S.
7	ND 166.061		1	3/16 x 2 1/2 Cotter Pin	20	ND 8.028	339	4	7/16" x 1-1/2" N. C. H.H.C.S.
8	ND 1.267	108FC	1	Diameter Cylinder Yoke	21	ND 1.062		4	Sliding Collar Link
9	ND 4.061	109	2	Slide Bar Pin	22	ND 7.028	338	4	7/16" x 1-1/4" N. C. H.H.C.S.
10	ND 10.096	110	2	3/16" Grease Zerk	23	ND 7.103	59	4	Diameter Arm
11	ND 5.055	314	2	7/16" N.F. H.H. Jam Nut	24	ND 21.055		4	7/16" N. C. H.H. Lock Nut
12	ND 38.108		6	7/16" Shakeproof Washer	25	ND 3.055	313	4	7/16" N. C. H.H. Jam Nut
13	ND 14.111	129F	2	Slide Bar Clip					

REPAIR PARTS LIST FOR MODEL EF SPREADER

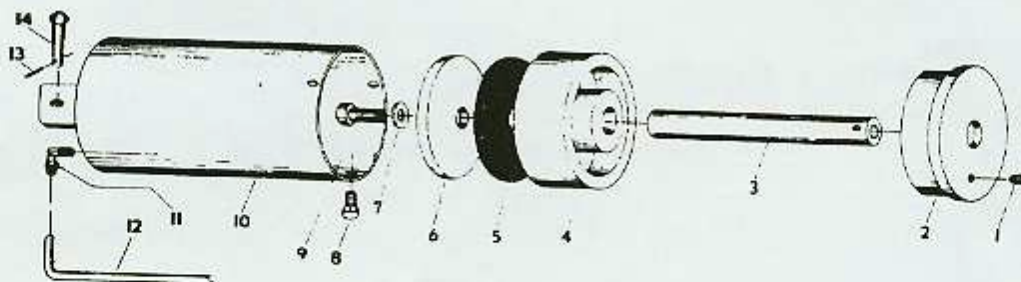


ND 20.900 SPREAD CYLINDER ASSEMBLY

ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 14.028	327	4	5/16" x 1" N. C. H.H.C.S.
2	ND 29.950	56AR	1	Cover Plate
3	ND 3.110	104F	1	Spring
4	ND 5.149	67F	1	Piston Rod
5	ND 5.051		1	4" Dia. Spread Piston
6	ND 7.041		1	Piston Cup
7	ND 10.108	3479	1	Piston Cup Follower
8	ND 240.167	G14M	1	14 M.M. Gasket
9	ND 13.028	351	1	9/16" x 1-3/4" N. C. H.H.C.S.
10	ND 23.950	54S51		Spread Arm Cylinder

RELATED PARTS NOT INCLUDED IN ND 20.900 ASSEMBLY

11	ND 1.006	232B	1	1/4" Oil Plug
12	ND 170.096		1	1/4" Trueplate Nipple
13	ND 27.034		1	1/4 - 90° Quick Coupler
14	ND 14.268			1/4" x 4" Pipe Nipple
	ND 135.643			1.038 Swivel Replacement Kit



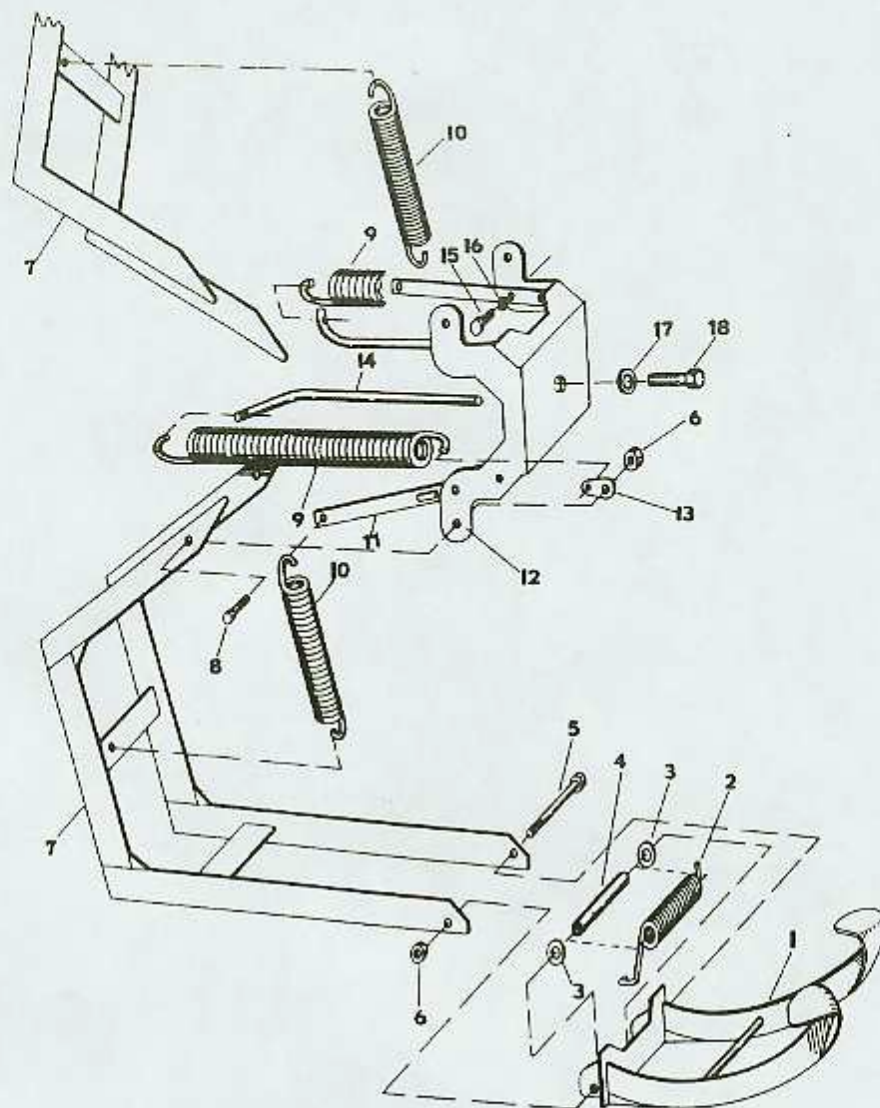
ND 43.900 DIAMETER ARM CYLINDER ASSEMBLY

ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 4.006		1	#1 Caplug
2	ND 1.264	400M	1	Cylinder Head
3	ND 2.104	131	1	Piston Rod
4	ND 16.051		1	5-1/4" Dia. Piston
5	ND 9.041		1	Piston Cup
6	ND 33.101		1	Piston Cup Follower Plate
7	ND 240.167	G14M	1	14 M.M. Gasket
8	ND 5.028	336	3	7/16" x 3/4" N. C. H.H.C.S.
9	ND 13.028	351	1	9/16" x 1-3/4" N. C. H.H.C.S.
10	ND 64.950		1	Dia. Arm Cylinder
11	ND 34.096	3480	1	1/4 - 1/4 Male Elbow

RELATED PARTS NOT INCLUDED IN ND 43.900 ASSEMBLY

12	ND 6.268		1	1/4" x 34" Impolene Air Line
13	ND 5.061	378	2	1/8" x 1" Drive Pin
14	ND 20.149		1	Diam. Cyl. Pin

REPAIR PARTS LIST FOR MODEL EF SPREADER



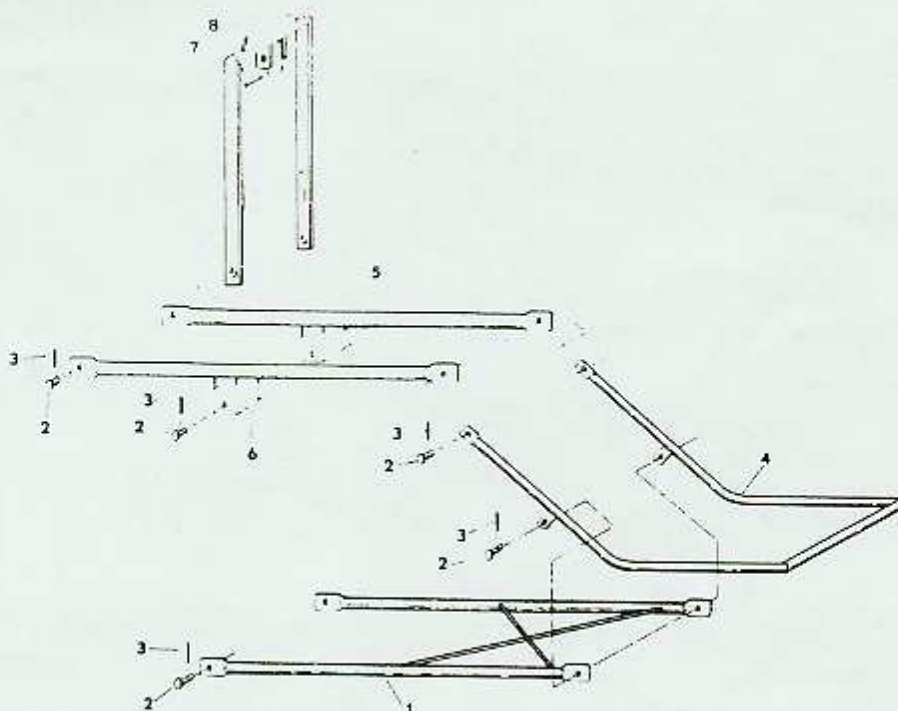
ND 19.900 SPREAD ARM ASSEMBLY (2 REQ'D)

ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 20.950	60R	1	Bead Hook
2	ND 6.110	254F	1	Bead Hook Spring
3	ND 9.108	194	2	1/2" Fiber Washer
4	ND 4.446	137	1	Spring Sleeve
5	ND 3.242	375	1	1/2" x 7-1/2" N. C. Machine Bolt
6	ND 58.055		1	1/2" N. C. H.H. Lock Nut
7	ND 18.900	64	1	Spread Arm

RELATED PARTS NOT INCLUDED IN ND 19.900 ASSEMBLY

6	ND 58.055		4	1/2" N. C. H.H. Lock Nut
8	ND 34.028	342	4	1/2" x 1-1/4" N. C. H.H.C.S.
9	ND 4.110	98	2	Ext. Head Return Spring
10	ND 5.110	100	2	Spread Arm Spring
11	ND 17.950	66FC	2	Spring Bar
12	ND 2.264	49FC	1	Extension Head
13	ND 5.017	127	2	Return Spring Clip
14	ND 15.149	97	2	Return Spring Rod
15	ND 10.028	275	4	1/4" x 3/4" N. C. H.H.C.S.
16	ND 63.108		4	1/4" Shakeproof Washer
17	ND 7.108	295	1	3/4" Shakeproof Washer
18	ND 9.028	361	1	3/4" x 1-3/4" N. C. H.H.C.S.
19	ND 19.101		1	3/16 x 3/8 x 7/8 Detent Plate)Not
20	ND 223.028		1	3/8 NF x 5/8 Socket Set Screw)Shown

REPAIR PARTS LIST FOR MODEL EF SPREADER

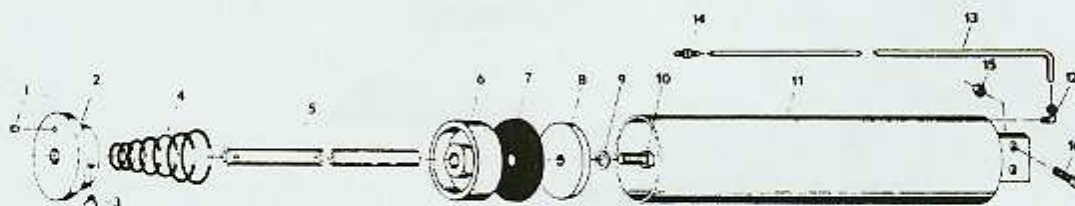


ND 5.900 LIFT ARM & CRADLE ASSEMBLY

ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 6.950	106	1	Lower Arm Sub-Assy.
2	ND 1.003	1810	10	Button Head Rivet
3	ND 9.061		10	5/32" x 1" Drive Pin
4	ND 5.950	105	1	Lift Cradle
5	ND 22.950	107R	1	Upper Arm - R.H.
6	ND 7.950	107L	1	Upper Arm - L.H.

RELATED PARTS NOT INCLUDED IN ND 5.900 ASSEMBLY

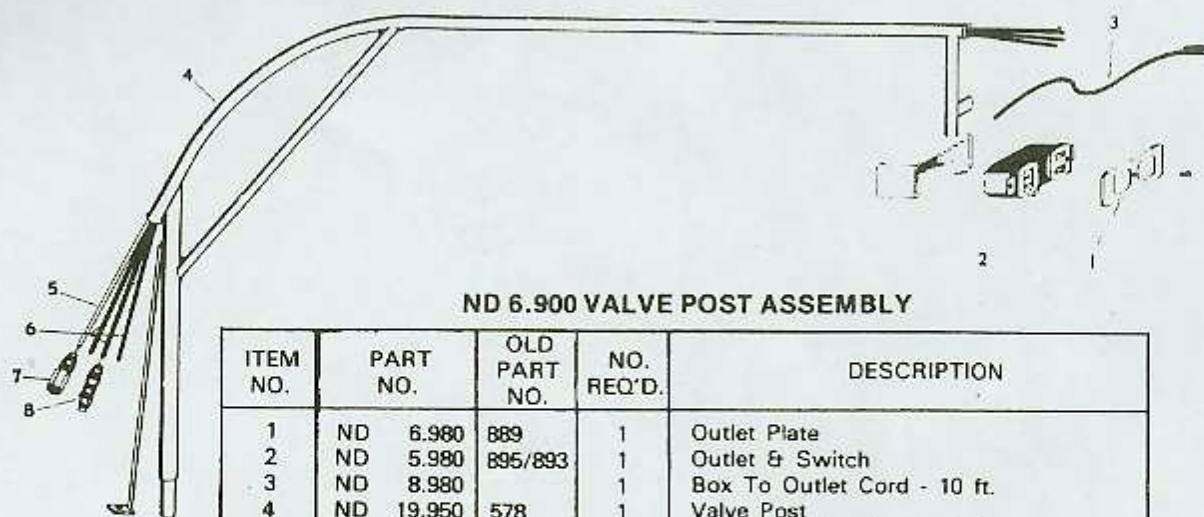
7	ND 11.950	134	1	Lift Yoke
8	ND 3.061	390	1	5/32" x 1-1/2" Cotter Pin



ND 8.900 LIFT CYLINDER ASSEMBLY

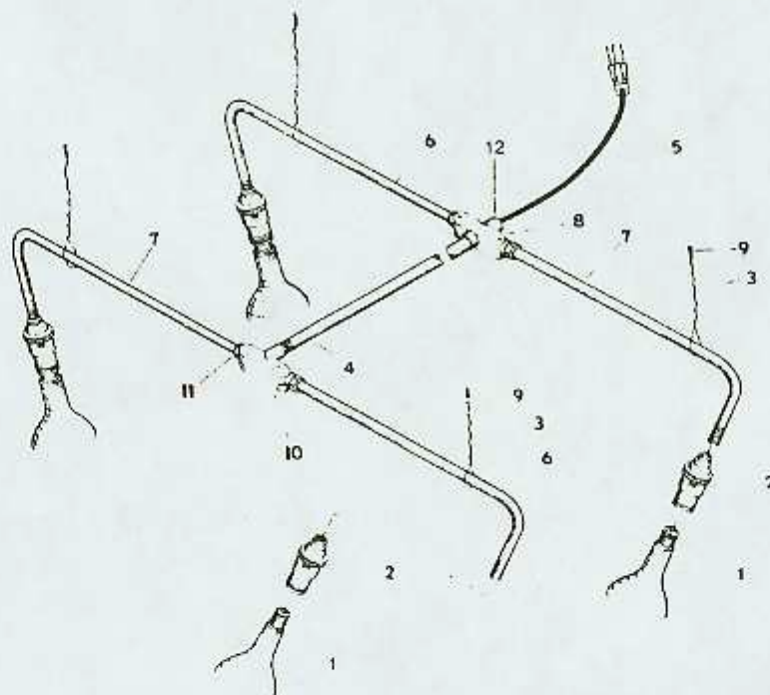
ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION	ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 4.006	1581	1	#1 Caplug	10	ND 239.028	350	1	9/16" x 1-1/4" N. C. H.H.C.S.
2	ND 3.098	4	1	Cylinder End Cap	11	ND 13.950	8	1	Lift Cylinder
3	ND 2.028	326	3	5/16" x 5/8" N. C. H.H.C.S.	12	ND 34.096	3480	1	1/4 - 1/4 Male Elbow
4	ND 7.110	165	1	Lift Cylinder Spring	13	ND 5.268		1	1/4" x 60" Impolene Air Line
5	ND 3.149	5	1	Piston Rod	14	ND 35.096	3482	1	1/4 - 1/4 Tube Union
6	ND 23.051		1	3-1/2" Dia. Lift Piston	RELATED PARTS NOT INCLUDED IN ND 8.900 ASSEMBLY				
7	ND 15.041	10	1	Piston Cup	15	ND 58.055		2	1/2" N. C. H.H. Lock Nut
8	ND 32.108		1	Piston Cup Washer	16	ND 25.028	343	2	1/2" x 1-1/2" N. C. H.H.C.S.
9	ND 240.167	G14M	1	T4 M.M. Gasket					

REPAIR PARTS LIST FOR MODEL EF SPREADER



ND 6.900 VALVE POST ASSEMBLY

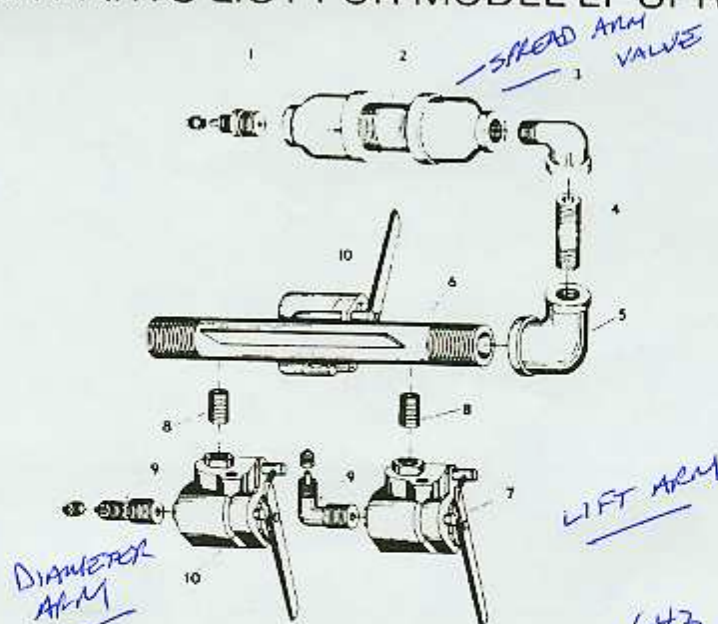
ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 6.980	889	1	Outlet Plate
2	ND 5.980	895/893	1	Outlet & Switch
3	ND 8.980		1	Box To Outlet Cord - 10 ft.
4	ND 19.950	578	1	Valve Post
5	ND 172.268		1	1/4" x 94" Impolene Air Line
6	ND 173.268		3	1/4" x 97" Impolene Air Line
7	ND 14.096	3483	1	1/4 - 1/4 Female Connector
8	ND 35.096	3482	3	1/4 - 1/4 Tube Union



ND 14.900 LIGHT FIXTURE ASSEMBLY

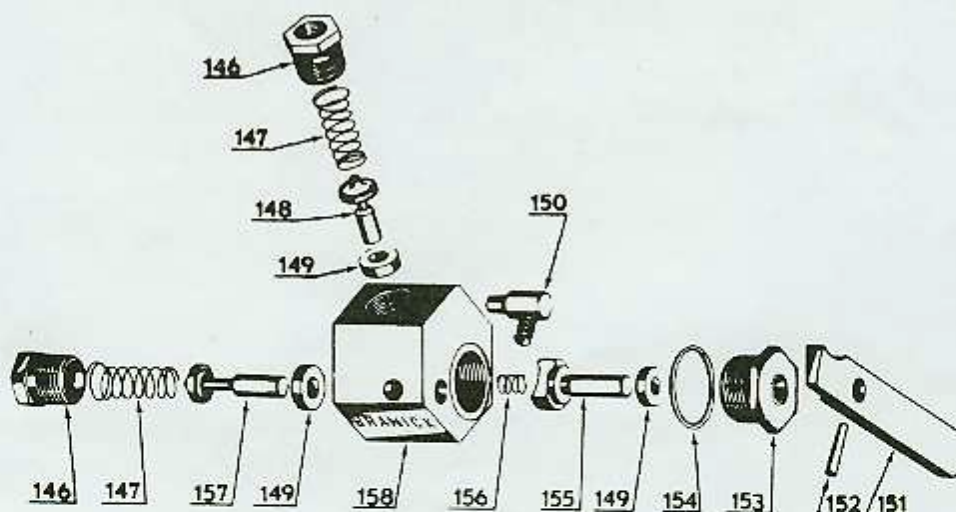
ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 7.376	552	4	150W Spot Lamp 110V
2	ND 56.980		4	3/8" Lamp Holders
3	ND 3.450		4	Suspending Cable
4	ND 3.268		1	Center Bar
5	ND 2.980	615	1	36" Cord
6	ND 112.103		2	Light Fixture Arm - L.H.
7	ND 6.103		2	Light Fixture Arm - R.H.
8	ND 20.980		1	1/2" Conduit Cross
9	ND 3.446	614	4	Suspending Cable Clamp
10	ND 3.980		1	1/2" Conduit Tee
11	ND 1.039		4	1/2" to 3/8" Pipe Bushing
12	ND 27.980	229	1	3/8 Connector
Not Shown			4	16 Gage Electrical Wire Connecting Lamps
	ND 39.298			Plastic Lamp Guard

REPAIR PARTS LIST FOR MODEL EF SPREADER



ND 12.900 VALVE ASSEMBLY

ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
1	ND 11.096	3481	1	1/4 - 1/4 Male Connector
2	ND 1.018	88A	1	Branick Air Cleaner
3	ND 38.096	216	1	1/4" - 90° St. Ell.
4	ND 7.096	241	1	1/4" x 2" Pipe Nipple
5	ND 3.291	225	1	1/2" to 1/4" Reducing Elbow
6	ND 334.950	26	1	Valve Manifold
7	ND 279.190	87:48	1	Branick #48 3-Way Air Valve
8	ND 221.096	240	3	1/4" Close Nipple
9	ND 34.096	3480	3	1/4 - 1/4 Male Elbow
10	ND 3.190	87:30	2	Branick #30 3-Way Air Valve



BRANICK 3-WAY VALVE

ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION	ITEM NO.	PART NO.	OLD PART NO.	NO. REQ'D.	DESCRIPTION
146	ND 4.039	87A	2	Valve Bushing	154	ND 2.167	87J	1	Gasket
147	ND 15.110	87B	2	Spring	155	ND 1.350	87K	1	Valve Cam
148	ND 189.950	87C	1	Intake Stem	156	ND 14.110	87L	1	Cam Spring
149	ND 1.290	87D	3	Valve Seal	157	ND 190.950	87N	1	Exhaust Stem
150	ND 193.950	87E	1	Return Spring & Brkt.	158	ND 12.190	87M	1	Size 30 Valve Body
151	ND 9.157	87F	1	Lever	158	ND 14.190	87P	1	Size 48 Valve Body
152	ND 30.061	87G	1	1 8" x 5.8" Drive Pin		ND 127.643			Repair Kit
153	ND 24.055	87H	1	Cam Nut					

COMMERCIAL WARRANTY

This equipment is warranted by BRANICK INDUSTRIES, INC. to the original commercial user-owner against defective materials or workmanship for a period of one year from the date of delivery, except for Models BTJ, EL-200, PTC, TTB, TTB/AH, TRC, ALJ, PHJ, BCL, TTC, DWL, FTB/AH, FTB-H, FTB-M, TC, PTS, PS-1, PMS, TWG, BRC, EMB-10/AH, EMB-10, EMB-10/PP, TD, and RSL, which are warranted for ninety (90) days. During the warranty period, equipment found to be defective will be repaired or replaced (at the warrantor's option) without charge. The equipment must be returned, transportation charges prepaid, with proof of delivery date to BRANICK INDUSTRIES, INC., Fargo, North Dakota 58102. The repaired or replaced equipment will be returned with transportation charges prepaid by Branick.

This warranty does not cover defects in the equipment caused by ordinary wear and tear, abuse, misuse, overloading, accident (including shipping damage), improper maintenance, alteration, use of improper fluids, or any other cause not the result of defective materials or workmanship.

REPAIR OR REPLACEMENT IS THE EXCLUSIVE REMEDY FOR DEFECTIVE EQUIPMENT UNDER THIS WARRANTY. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ON THIS EQUIPMENT. BRANICK INDUSTRIES, INC. SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS EQUIPMENT.

WHEN THE QUESTION OF WARRANTY CLAIMS ARISE, CONTACT BRANICK FACTORY AT FARGO, NORTH DAKOTA.

Service parts, warranty, and regular repair service for products are available from Branick.

Should you require assistance, please contact:

BRANICK INDUSTRIES, INC.
2600-3rd Avenue North
Box 1937
Fargo, North Dakota 58107
701-235-4446 TLX 29-2223

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(Rev. 1-86)

Branick®

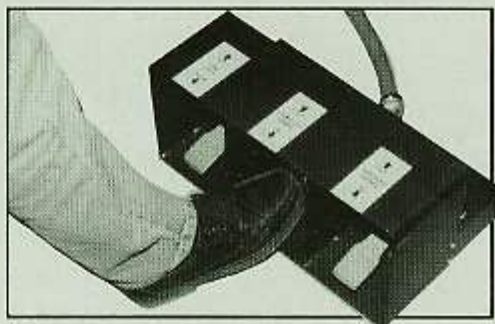
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Product Update

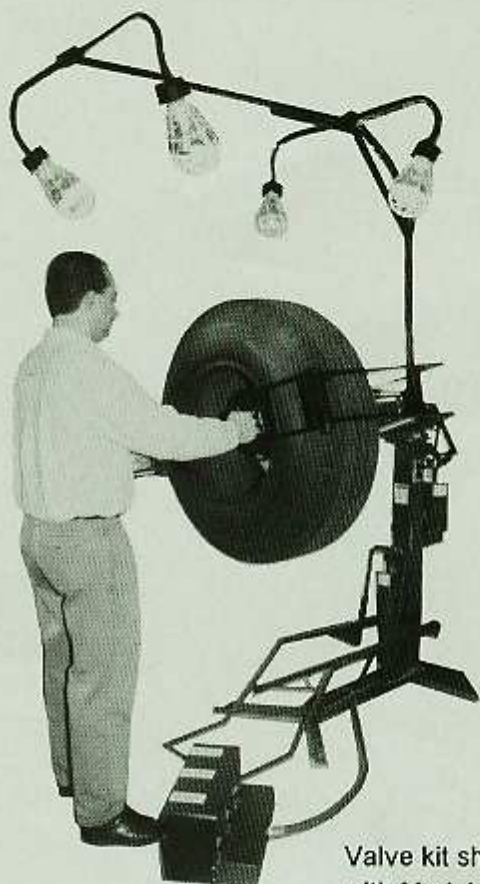
*Update your eF or eF/HD...
with foot-operated controls!*

Model 541

eF and ef/HD
Foot Valve Kit



Kit includes all necessary
airlines, fittings, brackets,
and fasteners.



Valve kit shown
with Model eF

Quit reaching for those overhead valves on your Branick eF or eF/HD tire spreader. Install a Model 541 foot-operated valve kit and have both hands free! In addition, the kit includes "quick exhaust" valves to lower the lift and release the spread arms faster.

Order Model 541
Part Number 05-0009

Branick®
INDUSTRIES, Inc.

Shipping wt. 25 lbs.

Printed in the U.S.A.
955-104

Branick Industries, Inc.
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