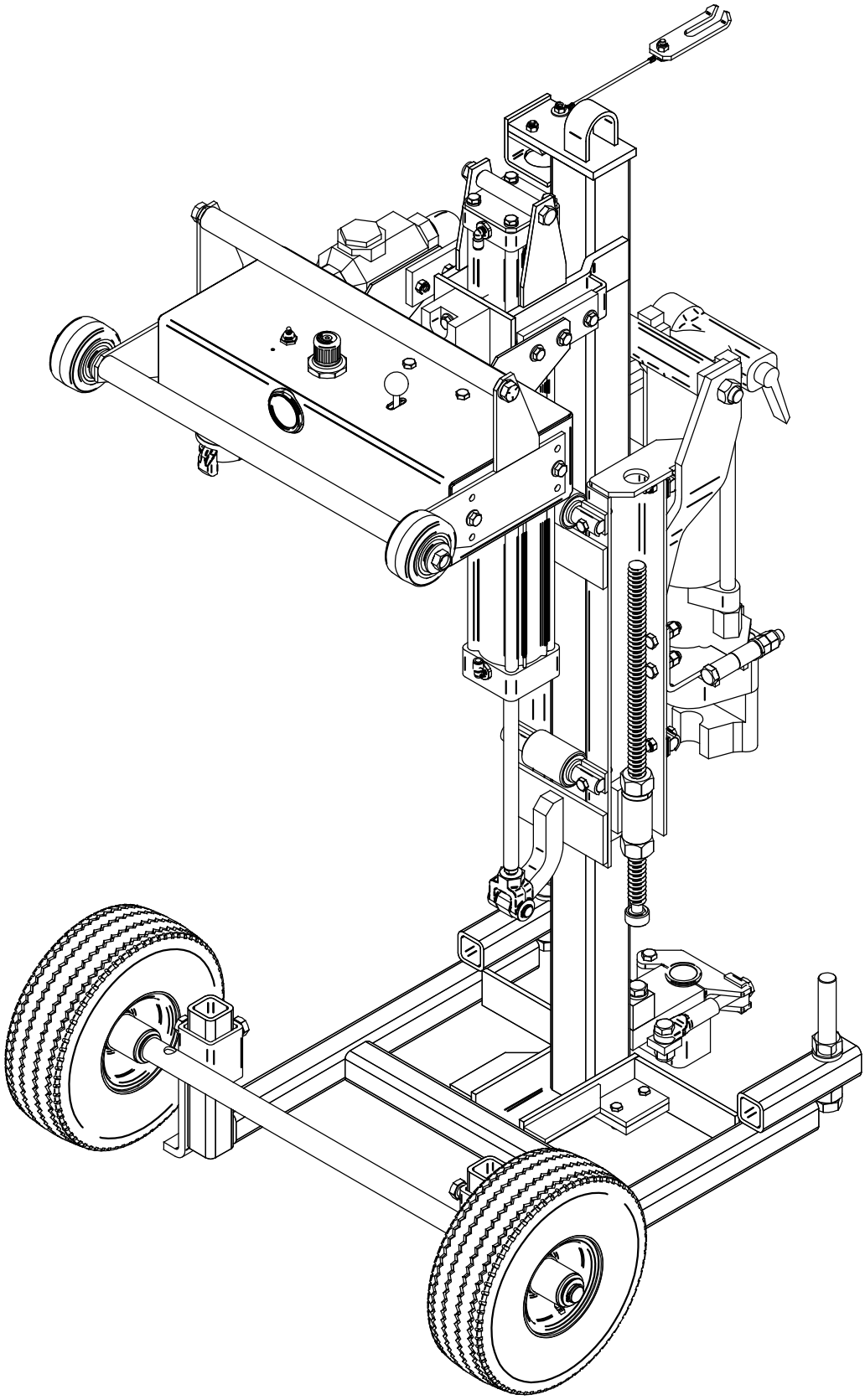
MODEL 20 UTL

FNG81001 & FNG81002



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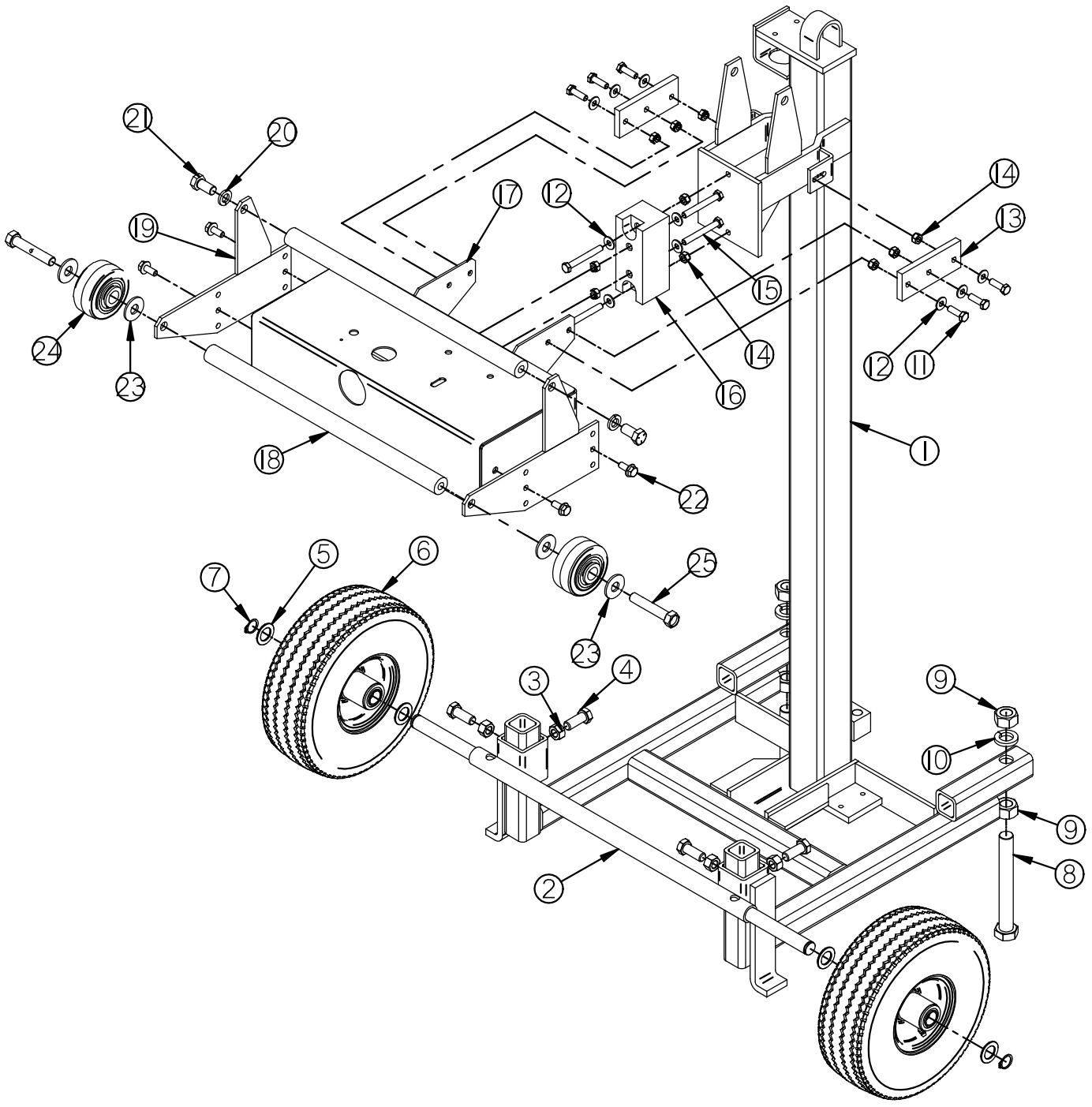
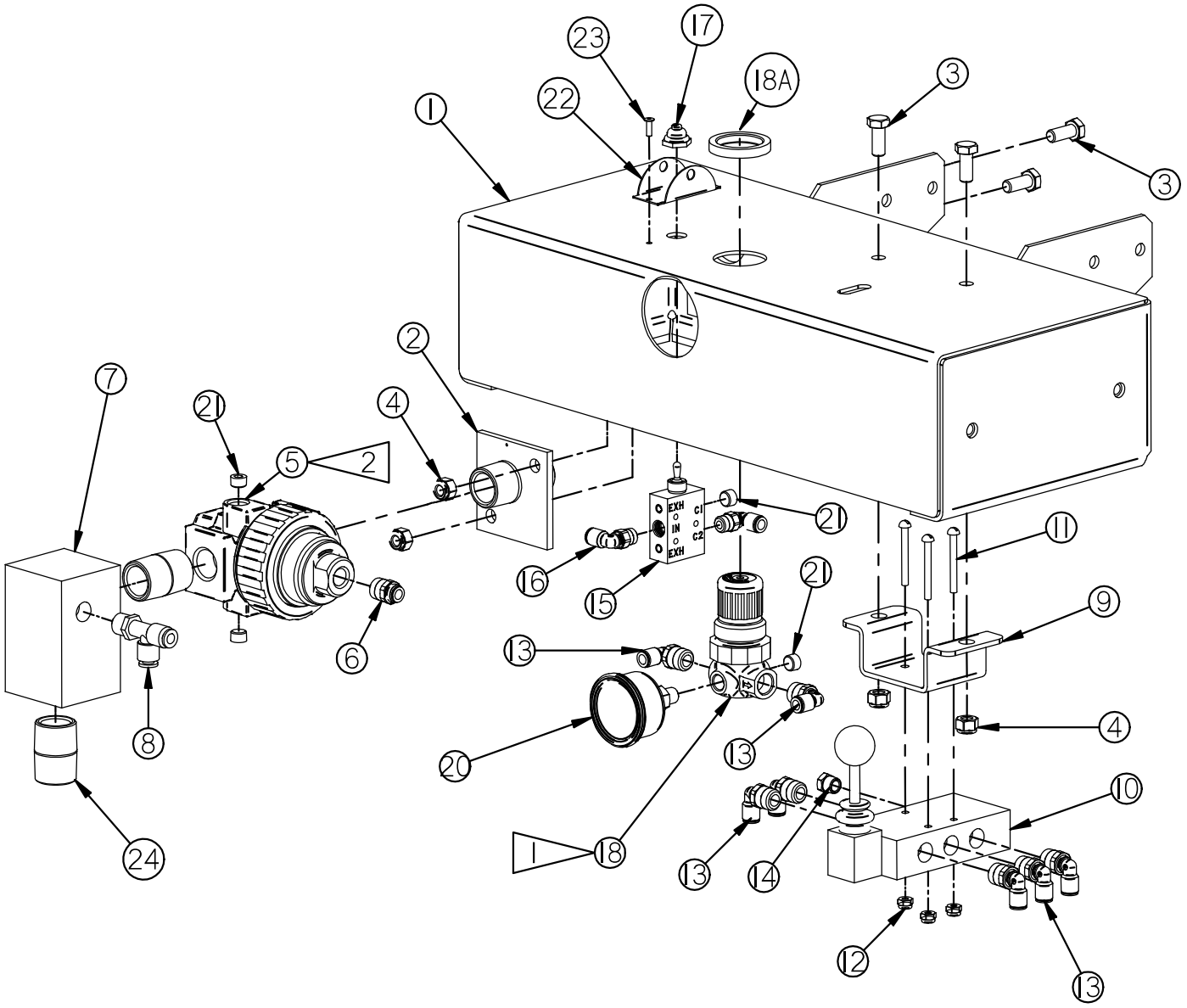
MODEL 20 UTL MAIN FRAME ASSEMBLY



MODEL 20 UTL MAIN FRAME ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MNF05021	1	MAIN FRAME (MOD 20 UTL)
2	VER10790	1	UTL 20 AXLE ASSEMBLY
3	2732 NUT	4	1/2" NC STANDARD NUT
4	2560BLT	4	1/2" NC X 1.25" HX HD BOLT
5	28510 WAS	4	3/4" THIN (14 GA.) MACHINE WASHER
6	0202 WHL	2	4.10-3.50-4 TIRE-WHEEL
7	3038PIN	2	SNAP RING 3/4"
8	25997 BLT	2	3/4" NC X 6.0" HX HD TAP BOLT
9	2748NUT	4	3/4" NC STD NUT
10	2852 WAS	2	3/4" LOCK WASHER
11	2520 BLT	6	5/16" NC X 1.00" HX HD BOLT
12	2801 WAS	10	1/4" FLAT WASHER
13	VER1066	2	ISOLATOR SUPPORT STRAP
14	2719 NUT	10	5/16" NC NYLON INSERT LOCKNUT
15	2531 BLT	4	5/16" NC X 2.50" HX HD BOLT
16	VER1065	1	ISOLATOR UTL20
17	VER1064	1	PANEL SUB, M 20 UTILITY
18	VER10632	2	HANDLE TUBE
19	VER10631	2	HANDLE ASSEMBLY
20	2832 WAS	2	1/2" LOCK WASHER
21	2559BLT	2	1/2" X 1" BOLT
22	25175 BLT	4	5/16 NC X .75" LG. HEX FLG HEAD BOLT
23	2830 WAS	4	1/2" STD. FLAT WASHER
24	0207 WHL	2	GUIDE WHEEL
25	25674BLT	2	1/2" X 2-3/4" GREASE BOLT

MODEL 20 UTL CONTROL PANEL ASSEMBLY



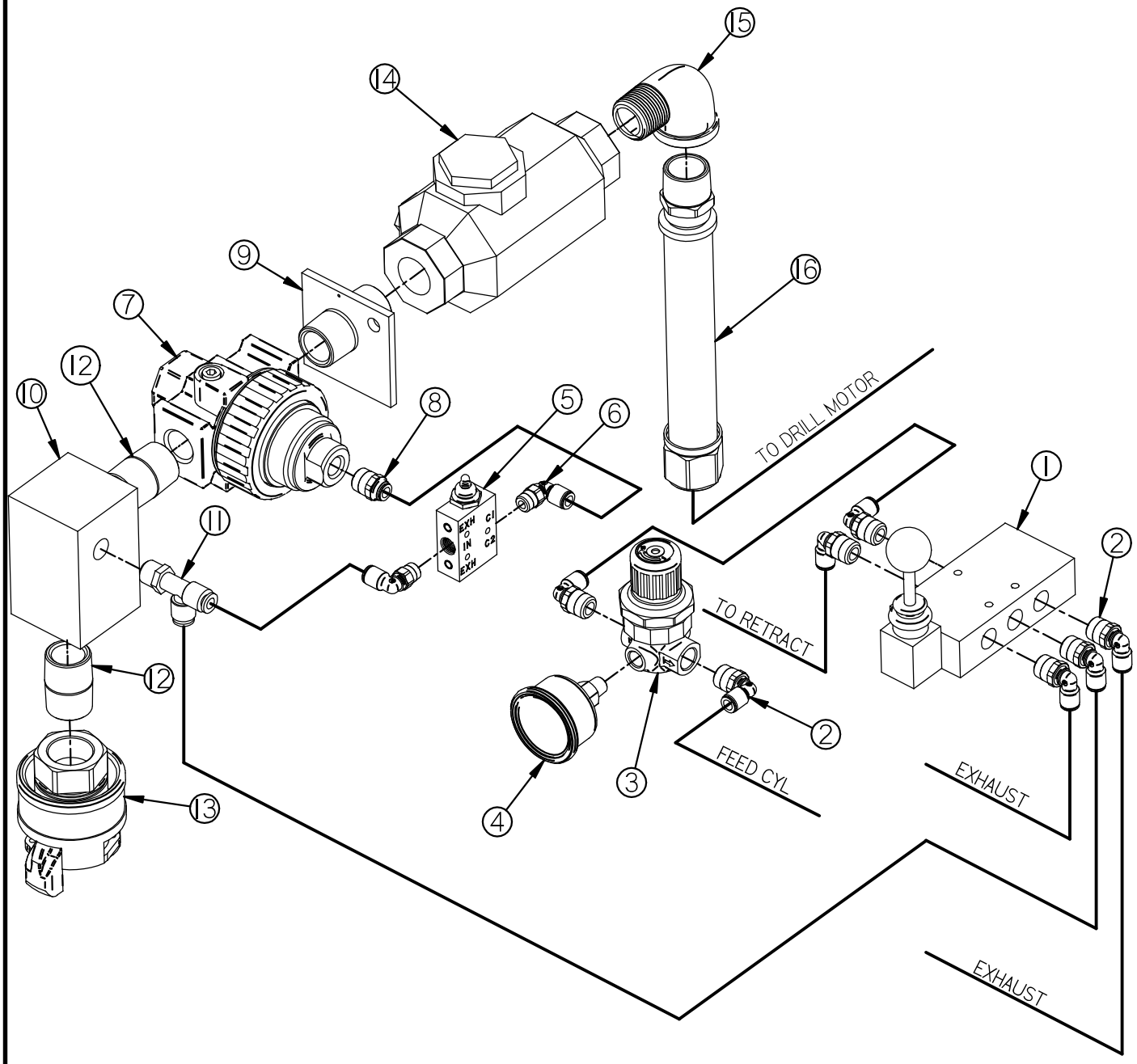
1 ITEM REF. NO. 18
INCLUDES ITEM REF. NO. 18A

2 REPAIR KIT AVAILABLE
PART NUMBER 17065 RPT

MODEL 20 UTL CONTROL PANEL ASSEMBLY

Item No.	Part No.	Quantity	Description
1	VER1064	1	PANEL SUB, M 20 UTILITY
2	VER1069	1	VALVE MOUNT, 3/4NPT MALE (M 20 UTIL)
3	2519 BLT	4	5/16" NC X .75" HX HD BOLT
4	2719 NUT	4	5/16" NC NYLON INSERT LOCKNUT
5	08113 REG	1	3/4" NPT CONTROLLED REGULATOR
6	2067 FIT	1	1/4" TUBE X 1/4 NPT M ST. CONNECTOR
7	VER1068	1	MANIFOLD (M20 UTILITY)
8	2035FIT	1	1/4" X 1/4" MALE RUN T
9	SRU13460	1	VALVE SPACER
10	060102VAL	1	3 WAY POSITION VALVE WITH KNOB
11	2478BLT	3	NO. 8-32 UNC X 1 1/2" MACH. SCREW
12	2712NUT	3	NO. 8-32 UNC NYLON INSERT LOCKNUT
13	2051 FIT	7	1/4" TUBE X 1/4" NPT 90 DEG. SWIVEL
14	1001 BRV	1	1/8" NPT BREATHER VENT
15	06095 VAL	1	2-POSITION 4-WAY DETENTED TOGGLE VALVE
16	2050 FIT	2	1/4" TUBE X 1/8 NPT 90 DEG SWIVEL
17	1828 GRO	1	RED BOOT FOR 06095VAL
18	081020REG	1	0-10 MAX PSI REGULATOR
18A	17060 RPT	1	REGULATOR LOCK RING
20	09022 GAU	1	0-60 PSI FILLED GAUGE (1/8 NPT M)
21	21010PFT	4	1/8" PIPE PLUG - SOCKET HD.
22	182800 GRO	1	TOGGLE SWITCH GUARD
23	3070 PIN	1	1/8" X .40" LG. AL POP RIVET (BTN HD)
24	2114PFT	2	3/4' X 1 1/2" NIPPLE

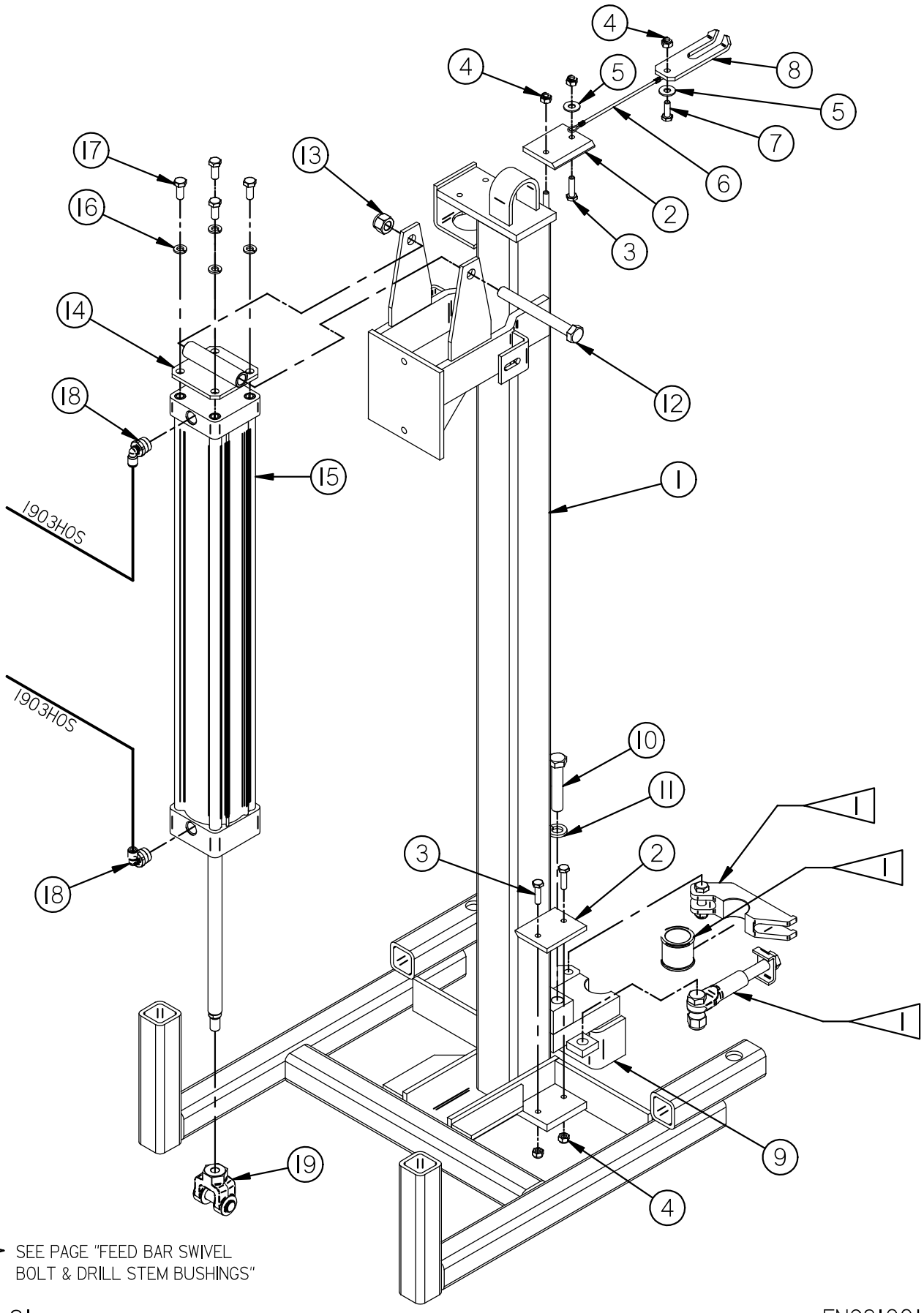
MODEL 20 UTL AIR LINE SCHEMATIC



MODEL 20 UTL AIR LINE SCHEMATIC

Item No.	Part No.	Quantity	Description
1	060102VAL	1	3 WAY POSITION VALVE WITH KNOB
2	2051 FIT	7	1/4" TUBE X 1/4" NPT 90 DEG. SWIVEL
3	081020REG	1	0-10 MAX PSI REGULATOR
4	09022 GAU	1	0-60 PSI FILLED GAUGE (1/8 NPT M)
5	06095 VAL	1	2-POSITION 4-WAY DETENTED TOGGLE VALVE
6	2050 FIT	2	1/4" TUBE X 1/8 NPT 90 DEG SWIVEL
7	08113 REG	1	3/4" NPT CONTROLLED REGULATOR
8	2067 FIT	1	1/4" TUBE X 1/4 NPT M ST. CONNECTOR
9	VER1069	1	VALVE MOUNT, 3/4NPT MALE (M 20 UTIL)
10	VER1068	1	MANIFOLD (M20 UTILITY)
11	2035FIT	1	1/4" X 1/4" MALE RUN T
12	2114PFT	2	3/4' X 1 1/2" NIPPLE
13	20090 FIT	1	COUPLING (3/4" NPT)
14	16010IL	1	3/4" PINT OILER
15	2155 PFT	1	STREET ELL, 3/4" NPT
16	HOS1501	1	MANIFOLD TO DRILL MOTOR HOSE 30"

MODEL 20 UTL FEED BAR ASSEMBLY

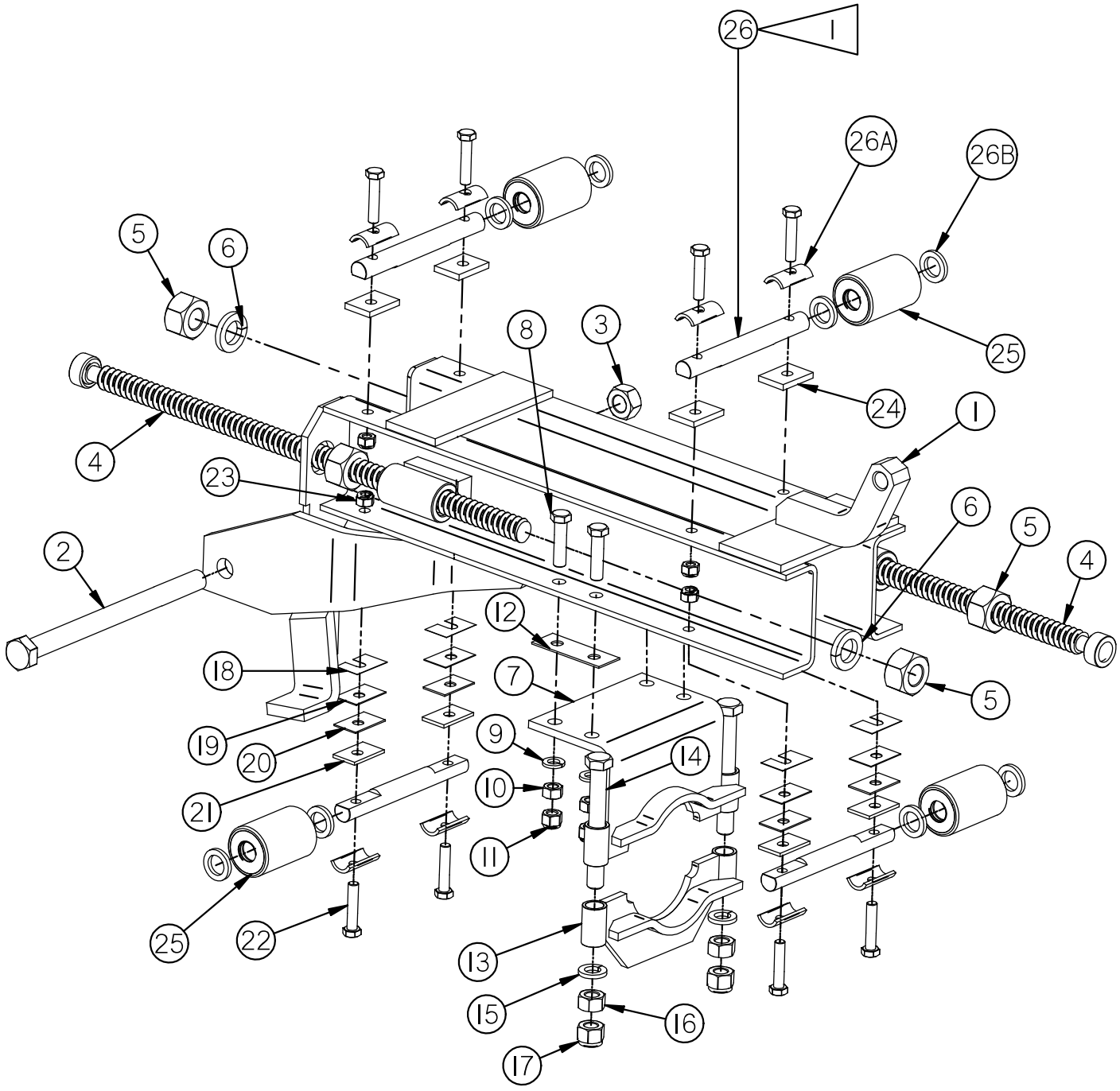


1 SEE PAGE "FEED BAR SWIVEL BOLT & DRILL STEM BUSHINGS"

MODEL 20 UTL FEED BAR ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MNF05021	1	MAIN FRAME (MOD 20 UTL)
2	MFA0626	2	STOP PAD
3	2503BLT	4	1/4" NC X 1.00" BOLT, GR. 5
4	2716NUT	5	1/4" NC NYLON LOCK NUT
5	2801 WAS	2	1/4" FLAT WASHER
6	3030PIN	1	6" LANYARD WITH LOOPS
7	2501BLT	1	1/4" NC X .75" HX HD BOLT
8	CRA0218	1	CARRIAGE LOCK
9	MFA06310	1	UPPER BIT GUIDE - BOLT ON
10	2564 BLT	2	1/2" NC X 2.50" HX HD BOLT
11	2832 WAS	2	1/2" LOCK WASHER
12	2572BLT	1	1/2" NC X 4 1/2" BOLT, GR. 5
13	2734NUT	1	1/2" NC NYLON INSERT LOCKNUT
14	VER1030	1	CYLINDER MOUNT 210 VERTICAL
15	0514157 CYL	1	PNEUMATIC CYLINDER 2.50 X 20" STROKE
16	2810 WAS	4	5/16" LOCK WASHER
17	2516 BLT	4	5/16" NF X .75" HX HD BOLT
18	2052 FIT	2	1/4" TUBE X 3/8" NPT 90 DEG. SWIVEL
19	0501 CYL	1	7/16 NF CYL CLEVIS & 1/2" PIN ASSY.

MODEL 20 UTL CARRIAGE ASSEMBLY

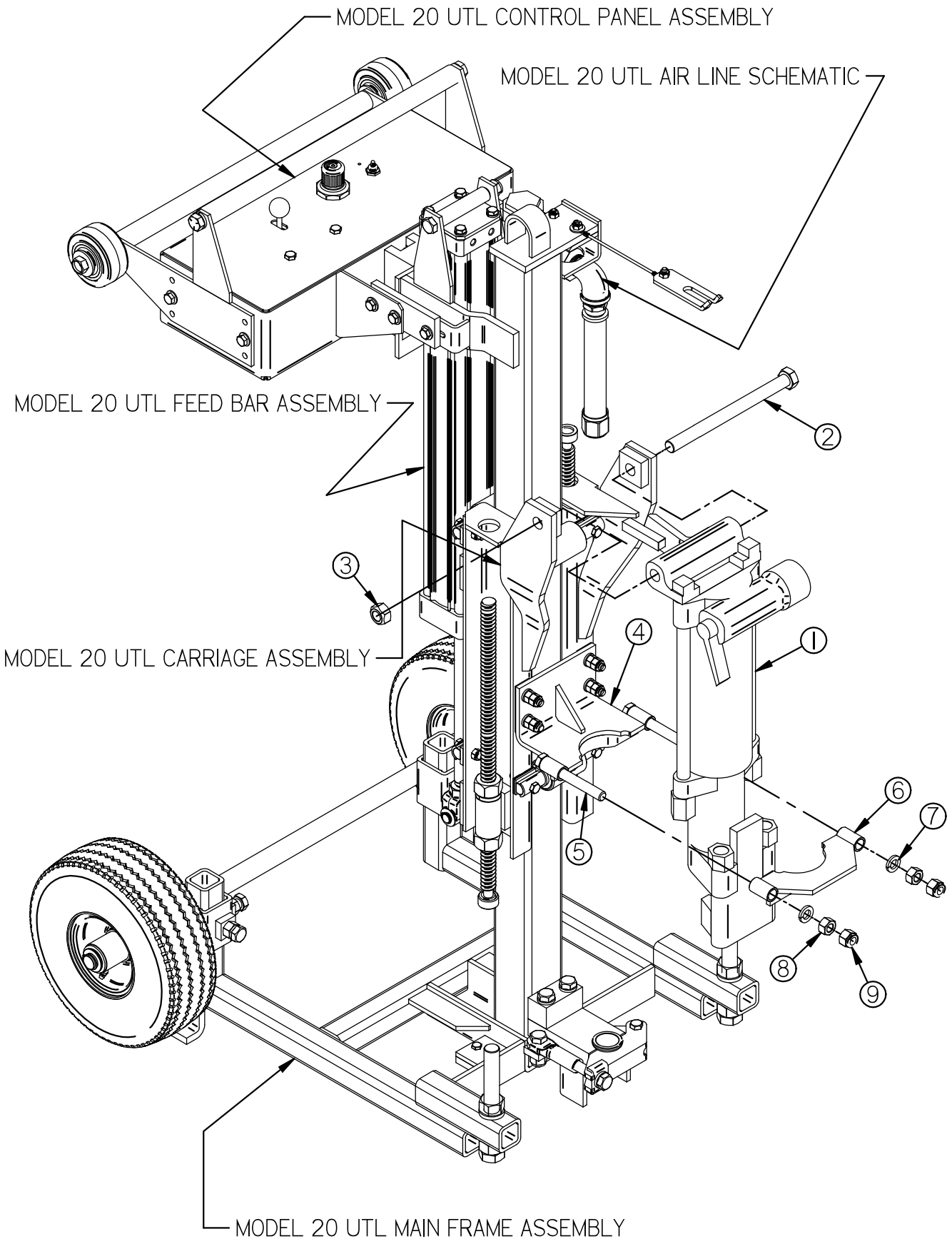


1 ITEM REF. NO. 26 INCLUDES QTY. 2 ITEM NO. 26A AND QTY. 2 ITEM NO. 26B

MODEL 20 UTL CARRIAGE ASSEMBLY

Item No.	Part No.	Quantity	Description
1	CRG01041	1	CARRIAGE (STD. 210 SERIES)
2	2590 BLT	1	5/8" NC X 8.0" HX HD BOLT (GR. 8)
3	2742 NUT	1	5/8" NC TOP LOCKNUT
4	CRA02030	2	3/4 X 18" STOP ROD
5	27490 NUT	3	3/4-4.5 TPI COIL THD. NUT (PLATED, HVY HEX.)
6	2852 WAS	2	3/4" LOCK WASHER
7	CRA0214	1	UPPER DRILL BRACKET
8	2541 BLT	1	3/8" NC X 1.50" HX HD BOLT
9	2821 WAS	1	3/8" LOCK WASHER
10	2725 NUT	1	3/8" - NC STANDARD HEX NUT
11	2727NUT	1	3/8" NC NYLON INSERT LOCKNUT
12	7010 TAB	1	16 GA. TWO HOLE SHIM
13	CRA0215	1	LOWER DRILL BRACKET
14	2570BLT	1	1/2" NC X 4.00" HX HD BOLT
15	2832 WAS	1	1/2" LOCK WASHER
16	2732 NUT	1	1/2" NC STANDARD NUT
17	2734NUT	1	1/2" NC NYLON INSERT LOCKNUT
18	7009TAB	1	STAINLESS STEEL SHIM (AS NEEDED)
19	7013TAB	1	22 GA. SHIM (AS NEEDED)
20	7012TAB	1	18 GA. SHIM (AS NEEDED)
21	7011TAB	1	12 GA. SHIM (AS NEEDED)
22	2526 BLT	1	5/16" NC X 1.50" HX HD BOLT
23	2719 NUT	1	5/16" NC NYLON INSERT LOCKNUT
24	70105TAB	1	3/16" SHIM (ROLLER BRG. AXLE)
25	CRA0233	2	ROLLER BEARING DRUM
26	CRA0234	1	ROLLER BEARING AXLE
26A	CRA0230	1	BEARING KEEPER
26B	2841 WAS	1	5/8" MACHINERY BUSHING (10 GAGE)

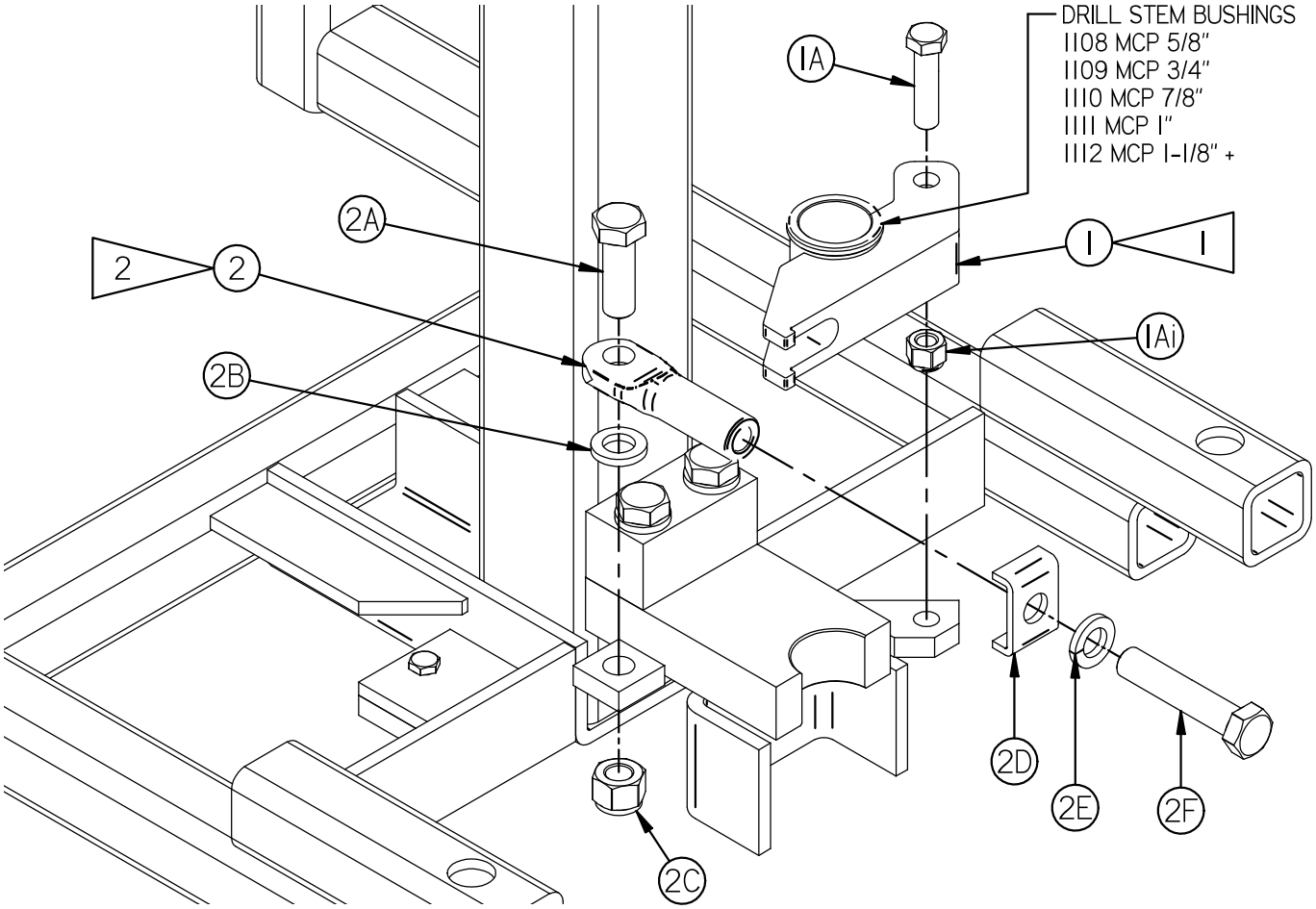
MODEL 20 UTL ROCK DRILL ASSEMBLY



MODEL 20 UTL ROCK DRILL ASSEMBLY

Item No.	Part No.	Quantity	Description
1	0101DRL	1	CP 32 A ROCK DRILL
2	2590 BLT	1	5/8" NC X 8.0" HX HD BOLT (GR. 8)
3	2742 NUT	1	5/8" NC TOP LOCKNUT
4	CRA0214	1	UPPER DRILL BRACKET
5	2570BLT	2	1/2" NC X 4.00" HX HD BOLT
6	CRA0215	1	LOWER DRILL BRACKET
7	2832 WAS	2	1/2" LOCK WASHER
8	2732 NUT	2	1/2" NC STANDARD NUT
9	2734NUT	2	1/2" NC NYLON INSERT LOCKNUT

FEED BAR SWIVEL BOLT & DRILL STEM BUSHINGS
MODEL 20 UTL

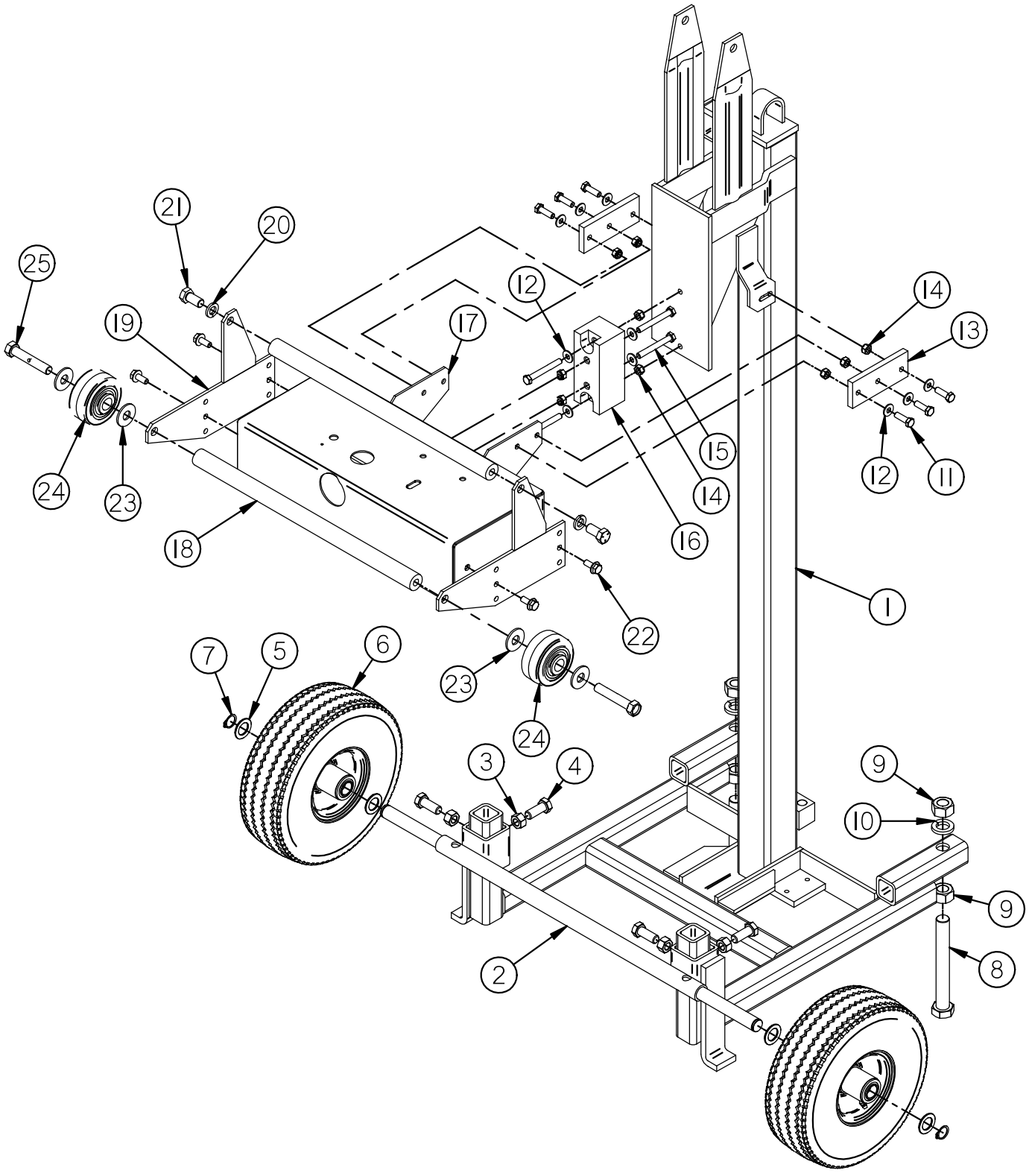


Item No.	Part No.	Quantity	Description
1	MFA0609	1	1.38" LOWER BIT GUIDE
1A	MFA0609 BLT	1	3/8" NC HX HD BOLT
1Ai	2727NUT	1	3/8" NC NYLON INSERT LOCKNUT
2	MFA0674	1	SWIVEL BOLT (1 1/2-13UNC)
2A	2562 BLT	1	1/2" NC X 1.50" HX HD TAP BOLT
2B	2831WAS	1	7/8" OD X 1/2" ID WASHER 10GA.
2C	2734NUT	1	1/2" NC NYLON INSERT LOCKNUT
2D	MFA0690	1	KEEPER, BIT GUIDE
2E	2832 WAS	1	1/2" LOCK WASHER
2F	2564 BLT	1	1/2" NC X 2.50" HX HD BOLT

1 ITEM REF. NO.1 INCLUDES ITEM NO 1A
ITEM REF. NO.1A INCLUDES ITEM NO. 1Ai

2 ITEM REF NO. 2 INCLUDES ITEMS 2A,2B,2C,2D,2E AND 2F

MODEL 20 UTL 24" DD MAIN FRAME ASSEMBLY



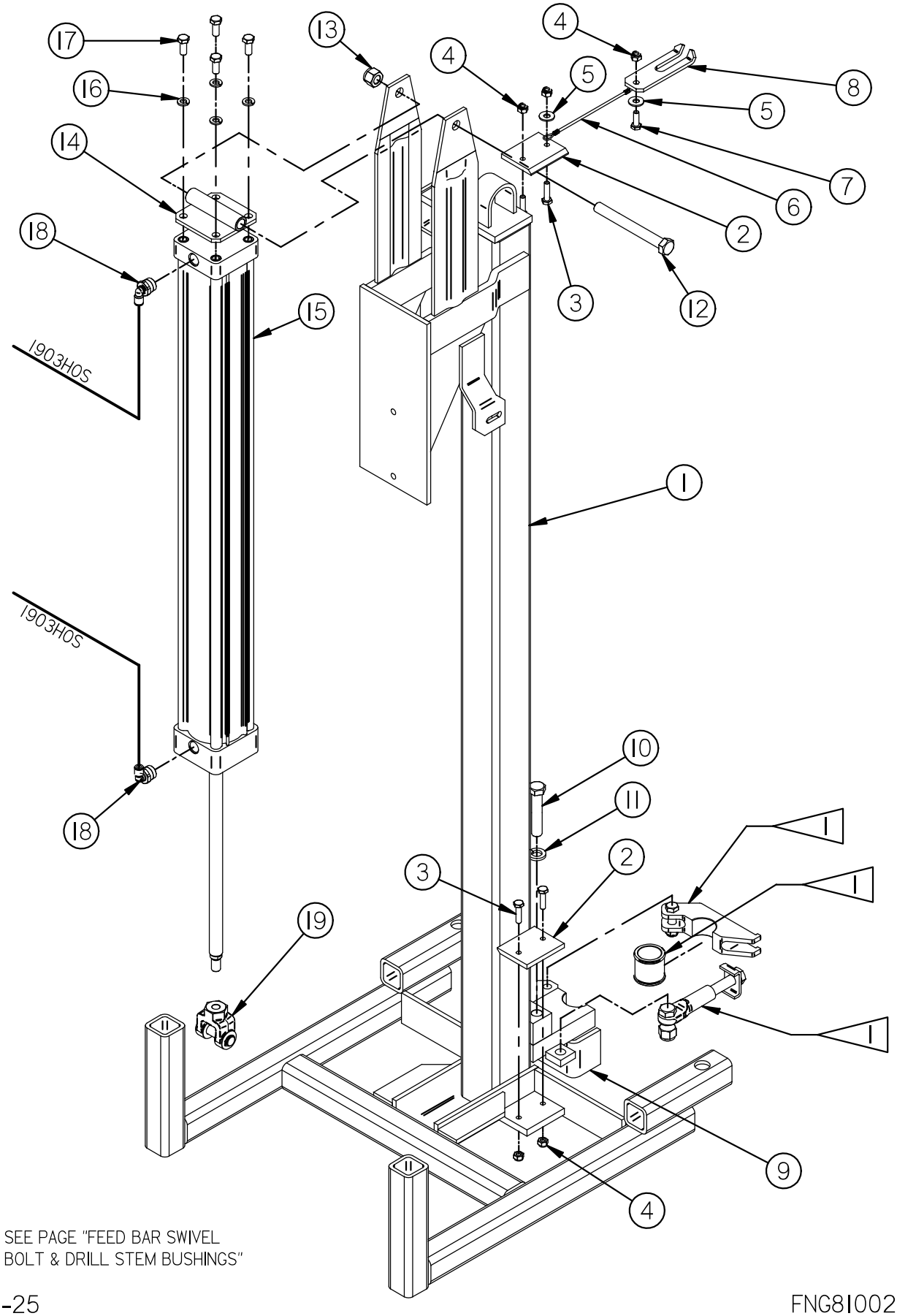
4-22-25

FNG81002-10

MODEL 20 UTL 24" DD MAIN FRAME ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MNF0502101	1	MAIN FRAME (MOD 20 UTL, 24" DD)
2	VER10790	1	UTL 20 AXLE ASSEMBLY
3	2732 NUT	4	1/2" NC STANDARD NUT
4	2560BLT	4	1/2" NC X 1.25" HX HD BOLT
5	28510 WAS	4	3/4" THIN (14 GA.) MACHINE WASHER
6	0202 WHL	2	4.10-3.50-4 TIRE-WHEEL
7	3038PIN	2	SNAP RING 3/4"
8	25997 BLT	2	3/4" NC X 6.0" HX HD TAP BOLT
9	2748NUT	4	3/4" NC STD NUT
10	2852 WAS	2	3/4" LOCK WASHER
11	2520 BLT	6	5/16" NC X 1.00" HX HD BOLT
12	2801 WAS	10	1/4" FLAT WASHER
13	VER1066	2	ISOLATOR SUPPORT STRAP
14	2719 NUT	10	5/16" NC NYLON INSERT LOCKNUT
15	2531 BLT	4	5/16" NC X 2.50" HX HD BOLT
16	VER1065	1	ISOLATOR UTL20
17	VER1064	1	PANEL SUB, M 20 UTILITY
18	VER10632	2	HANDLE TUBE
19	VER10631	2	HANDLE ASSEMBLY
20	2832 WAS	2	1/2" LOCK WASHER
21	2559BLT	2	1/2" X 1" BOLT
22	25175 BLT	4	5/16 NC X .75" LG. HEX FLG HEAD BOLT
23	2830 WAS	4	1/2" STD. FLAT WASHER
24	0207 WHL	2	GUIDE WHEEL
25	25674BLT	2	1/2" X 2-3/4" GREASE BOLT

MODEL 20 UTL 24" DD FEED BAR ASSEMBLY

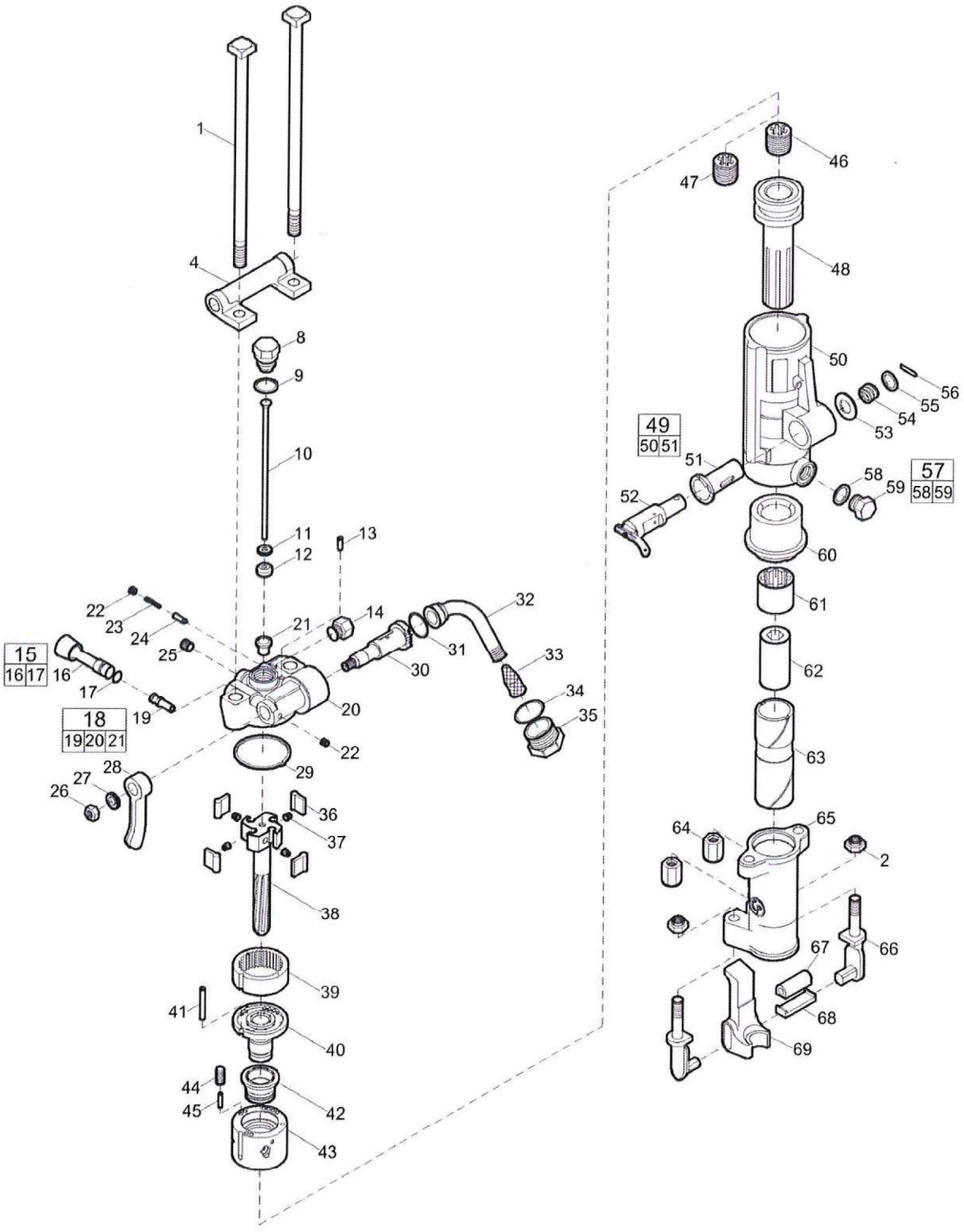


1 SEE PAGE "FEED BAR SWIVEL BOLT & DRILL STEM BUSHINGS"

MODEL 20 UTL 24" DD FEED BAR ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MNF0502101	1	MAIN FRAME (MOD 20 UTL, 24" DD)
2	MFA0626	2	STOP PAD
3	2503BLT	4	1/4" NC X 1.00" BOLT, GR. 5
4	2716NUT	5	1/4" NC NYLON LOCK NUT
5	2801 WAS	2	1/4" FLAT WASHER
6	3030PIN	1	6" LANYARD WITH LOOPS
7	2501BLT	1	1/4" NC X .75" HX HD BOLT
8	CRA0218	1	CARRIAGE LOCK
9	MFA06310	1	UPPER BIT GUIDE - BOLT ON
10	2564 BLT	2	1/2" NC X 2.50" HX HD BOLT
11	2832 WAS	2	1/2" LOCK WASHER
12	2572BLT	1	1/2" NC X 4 1/2" BOLT, GR. 5
13	2734NUT	1	1/2" NC NYLON INSERT LOCKNUT
14	VER1030	1	CYLINDER MOUNT 210 VERTICAL
15	0516157 CYL	1	PNEUMATIC CYLINDER 2.50 X 26" STROKE
16	2810 WAS	4	5/16" LOCK WASHER
17	2516 BLT	4	5/16" NF X .75" HX HD BOLT
18	2052 FIT	2	1/4" TUBE X 3/8" NPT 90 DEG. SWIVEL
19	0501 CYL	1	7/16 NF CYL CLEVIS & 1/2" PIN ASSY.

Spare parts list CP 0032 A ⅞" x 3¼"



Item	Part No.	Name	Qty	L
1	R086623	Bolt - Thru	2	
2	R005742	Nut - Elastic stop	2	A
4	R086608	Bracket - Handle	1	
8	R076793	Plug - Air tube	1	
9	R000537	Gasket - Tube plug	2	
10	R077184	Tube - Air	1	
11	R075449	Washer - Air tube	1	
12	R075099	Rubber - Air tube	1	
13	R075802	Pin - Valve plunger	1	
14	R076372	Plug - Water valve	1	
15	R079130	Water valve port plug, complete	1	
16	-	Water valve port plug	1	
17	C079489	O-ring	1	
18	R087948	Backhead, complete	1	
19	R098054	Bushing - Water valve	1	
20	-	Backhead	1	
21	R137738	Bushing - Blow tube	1	
22	C068064	Plug - Pipe	2	
23	R085671	Spring - Valve plunger	1	
24	R086627	Plunger - Throttle valve	1	
25	C068799	Plug - pipe, Ø 1/4 in., Ø 6.5 mm	1	C
26	P002149	Nut - Hexagon	1	D
27	C036717	Lockwasher - Head latch	1	E
28	R079124	Handle - Throttle valve	1	
29	H0979432	Gasket	1	
30	R086628	Valve - Throttle	1	
31	P103521	O-ring	1	
32	R075265	Swivel - Air inlet	1	
33	R005584	Screen - Air inlet	1	
34	R110317	O-ring	1	
35	R000530	Air swivel nut	1	
36	R075267	Pawl	4	
37	R086654	Spring - Pawl	4	
38	R086622	Bar - Rifle	1	

Item	Part No.	Name	Qty	L
39	R076194	Ring - Ratchet	1	
40	R098085	Bushing - Valve guide	1	
41	R075772	Pin - Valve case dowel	1	
42	R076263	Valve	1	
43	R076264	Case - Valve	1	
44	R098084	Plug - Oil regulating	1	
45	R085625	Stem - Oil regulating	1	
46	R075839	Nut - Rifle bar	1	F
47	R075826	Nut - Rifle bar	1	G
48	R000088	Piston	1	
49	R087990	Cylinder, complete	1	
50	--	Cylinder	1	
51	R086611	Bushing - Blower valve	1	
52	R086612	Valve - Blower	1	
53	R075777	Washer - Blower valve	1	
54	R075778	Spring - Blower valve	1	
55	R075780	Washer - Valve spring	1	
56	R076266	Pin - Spring	1	
57	R085611	Oil plug, complete	1	
58	R091176	Gasket - Oil plug	1	
59	--	Oil plug	1	
60	R042161	Bushing - Cylinder	1	
61	R086733	Nut - Chuck rotation	1	
62	R099374	Chuck, 7/8" x 31/4" (22 x 82.5 mm)	1	
63	R041321	Sleeve - Chuck, 7/8" x 31/4" (22 x 82.5 mm)	1	
64	R085756	Nut - Thru bolt	2	
65	R041320	Fronthead, 7/8" x 31/4" (22 x 82.5 mm)	1	
66	R093896	Tunnion - Retainer	2	
67	R093897	Buffer - Retainer	1	
68	R093898	Retainer - Latch shoe	1	
69	R093913	Retainer, 7/8" (22 mm)	1	

Comments for Page: CP 0032 A ⅞" x 3¼"

(L)OCAL REMARKS

A | 5/8" - 11

B | 1/8"

C | 1/4"