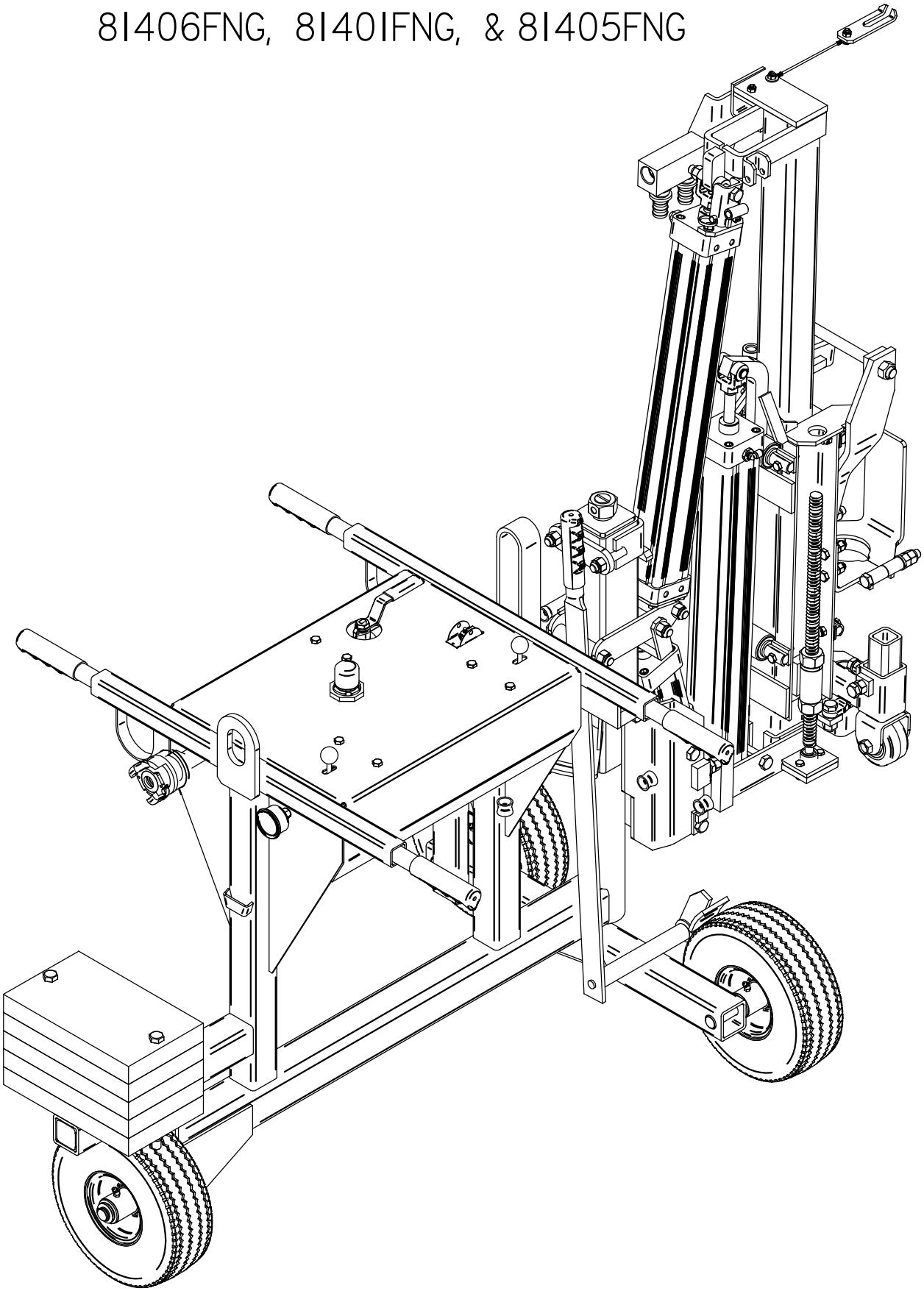
MODEL 210B SRA

81406FNG, 81401FNG, & 81405FNG



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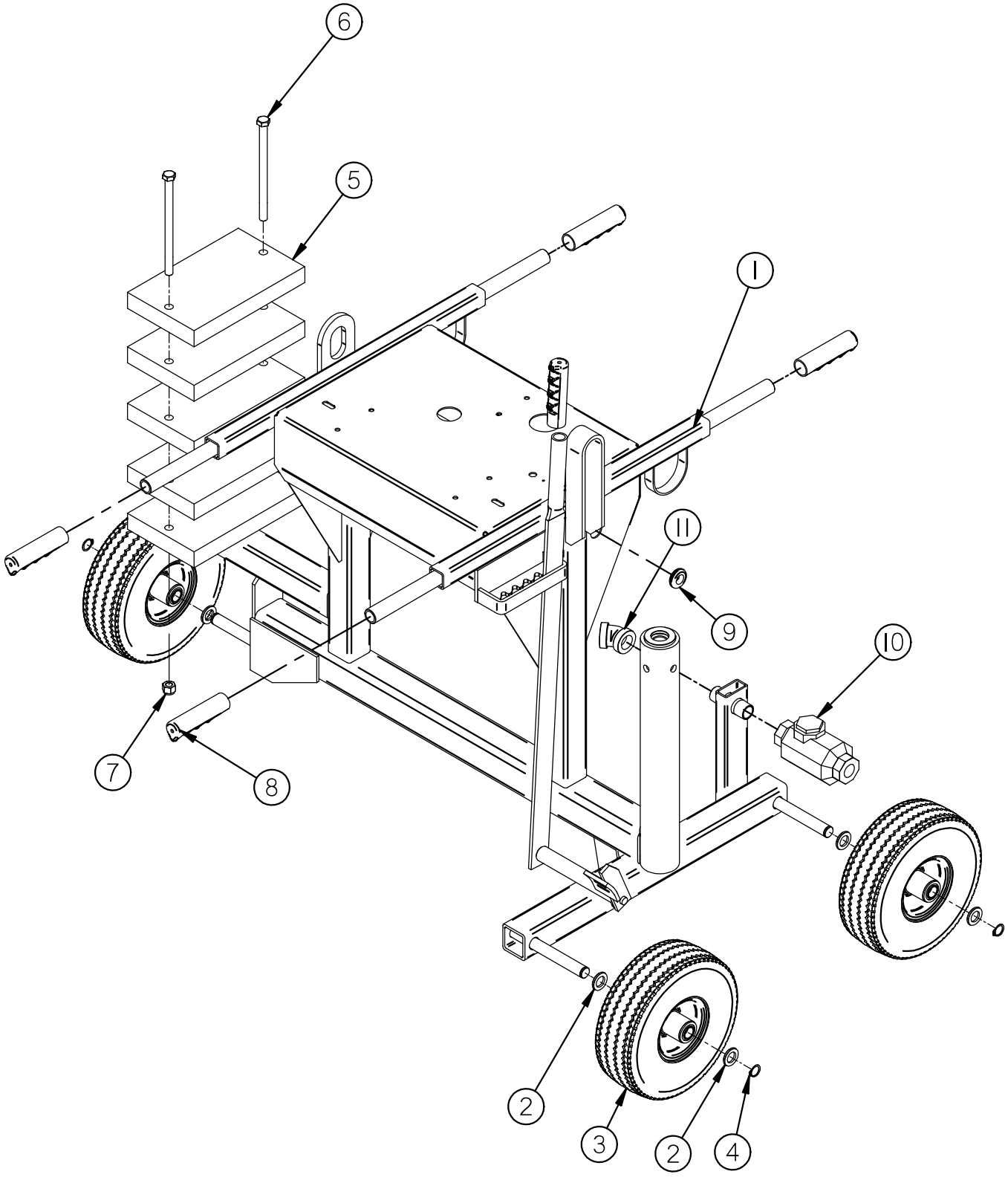
4 WAY MAST ASSEMBLY	81405FNG – PARTS PAGE 04
4 WAY FEED BAR SCHEMATIC	81405FNG – PARTS PAGE 05
CP0032A SINKER DRILL	CP0032A

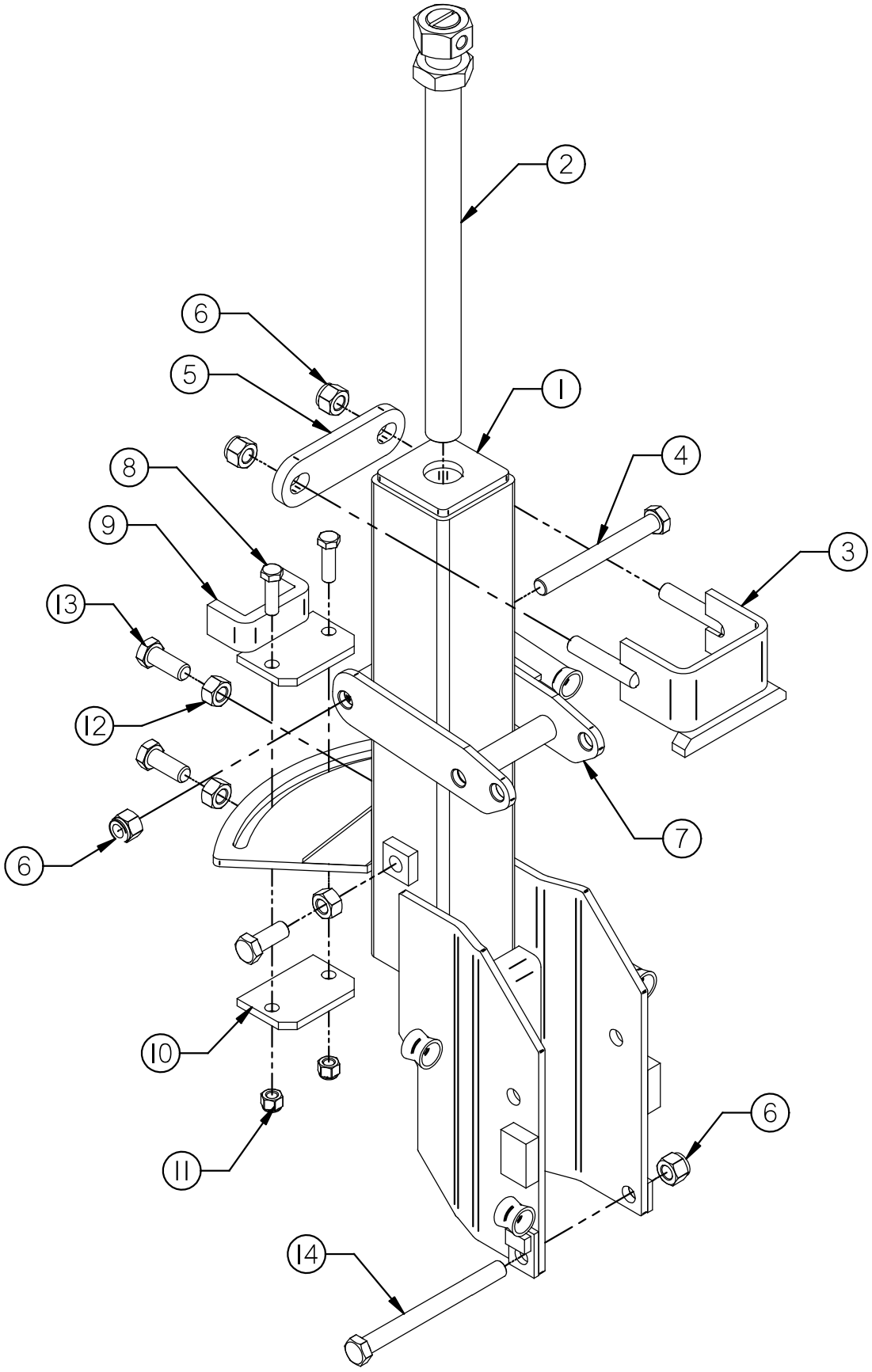
18" DRILL DEPTH MAIN FRAME ASSEMBLY



18" DRILL DEPTH MAIN FRAME ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MNF05120	1	18" MAIN FRAME (210B-SRA)
2	2851 WAS	6	3/4" X 10 GA. WASHER
3	0202 WHL	3	4.10-3.50-4 TIRE-WHEEL
4	3038PIN	3	SNAP RING 3/4"
5	SRU13059	4	COUNTER WEIGHT
6	2580BLT	2	1/2" NC X 7.50" HX HD BOLT
7	2734NUT	2	1/2" NC NYLON INSERT LOCKNUT
8	1820GRO	5	HANDLE GRIP
9	1804 GRO	1	RUBBER GROMET
10	160101L	1	3/4" PINT OILER
11	2149 PFT	1	3/4" 45DEG. ELBOW

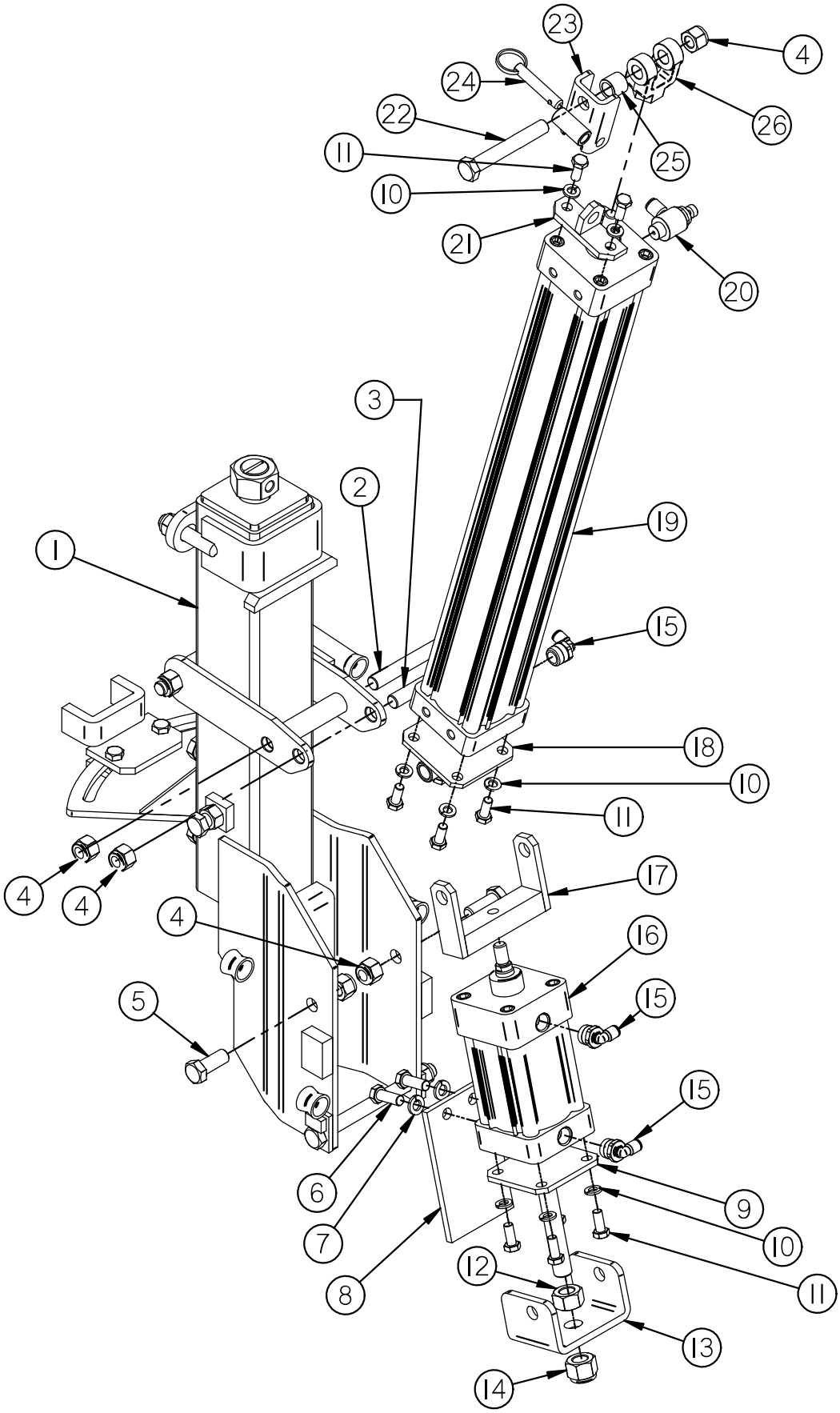
18" DRILL DEPTH MAST ASSEMBLY: A



18" DRILL DEPTH MAST ASSEMBLY: A

Item No.	Part No.	Quantity	Description
1	MFA06500	1	DRILL DEPTH MAST ASSEMBLY
2	SRU1301	1	SCREW JACK ASSY. (210B-SRA)
3	MFA0680	1	VERTICAL ADJUSTING BRACKET
4	2572BLT	1	1/2" NC X 4 1/2" BOLT, GR. 5
5	MFA0689	1	VERTICAL ADJUSTMENT CLAMP STRAP
6	2734NUT	4	1/2" NC NYLON INSERT LOCKNUT
7	MFA0678	1	ALIGNMENT ARM
8	2540 BLT	2	3/8" NC X 1.25" HX HD BOLT
9	MFA06841	1	SKEW LOCK
10	MFA06842	1	SKEW LOCK PLATE
11	2727NUT	2	3/8" NC NYLON INSERT LOCKNUT
12	2732 NUT	3	1/2" NC STANDARD NUT
13	2560BLT	3	1/2" NC X 1.25" HX HD BOLT
14	2576 BLT	1	1/2" NC X 5.50" HX HD BOLT

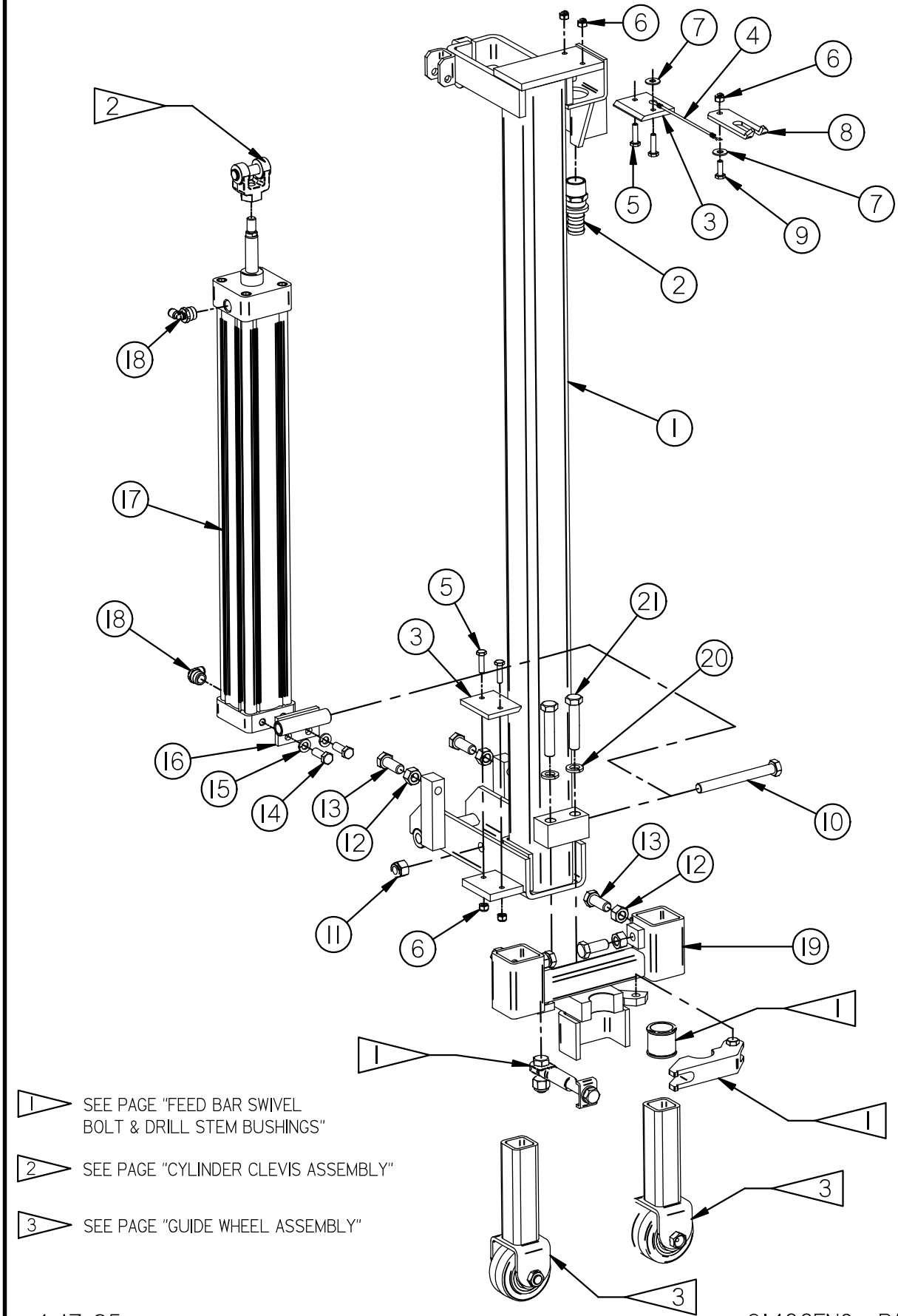
18" DRILL DEPTH MAST ASSEMBLY: B



18" DRILL DEPTH MAST ASSEMBLY: B

Item No.	Part No.	Quantity	Description
1	MFA06500	1	DRILL DEPTH MAST ASSEMBLY
2	2575 BLT	1	1/2" NC X 5.00" HX HD BOLT
3	2572BLT	1	1/2" NC X 4 1/2" BOLT, GR. 5
4	2734NUT	5	1/2" NC NYLON INSERT LOCKNUT
5	2560BLT	2	1/2" NC X 1.25" HX HD BOLT
6	2538 BLT	2	3/8" NC X 1.00" HX HD BOLT
7	2821 WAS	2	3/8" LOCK WASHER
8	MFA06840	1	RETAINING PLATE FOR AUTO ALIGN CYLINDER
9	MFA0682	1	CYLINDER ADJUST AUTO ALIGN
10	2810 WAS	10	5/16" LOCK WASHER
11	2516 BLT	10	5/16" NF X .75" HX HD BOLT
12	2740 NUT	1	5/8" NC STD. HEX NUT
13	MFA0684	1	PIVOT AUTO ALIGN
14	2743NUT	1	5/8" NC NYLON LOCK NUT
15	2052 FIT	3	1/4" TUBE X 3/8" NPT 90 DEG. SWIVEL
16	05210157 CYL	1	2-1/2" X 2" CYLINDER
17	MFA0683	1	AUTO ALIGN CLEVIS
18	SRG1120	1	CYLINDER MOUNT BRACKET
19	0514157 CYL	1	PNEUMATIC CYLINDER 2.50 X 20" STROKE
20	0611 VAL	1	SMC AIR FLOW CONTROL VALVE
21	MFA0673	1	CYLINDER LOCK
22	2568 BLT	1	1/2" NC X 3.50" HX HD BOLT
23	MFA0672	1	CYLINDER LOCK CLEVIS
24	3029PIN	1	LOCK PIN
25	MFA06721	1	CYLINDER LOCK CLEVIS SPACER
26	0501 CYL	1	CYLINDER CLEVIS (1/2" PIN X 7/16 NF THREAD) W/ PIN ASSEMBLY

18" DRILL DEPTH FEED BAR ASSEMBLY



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

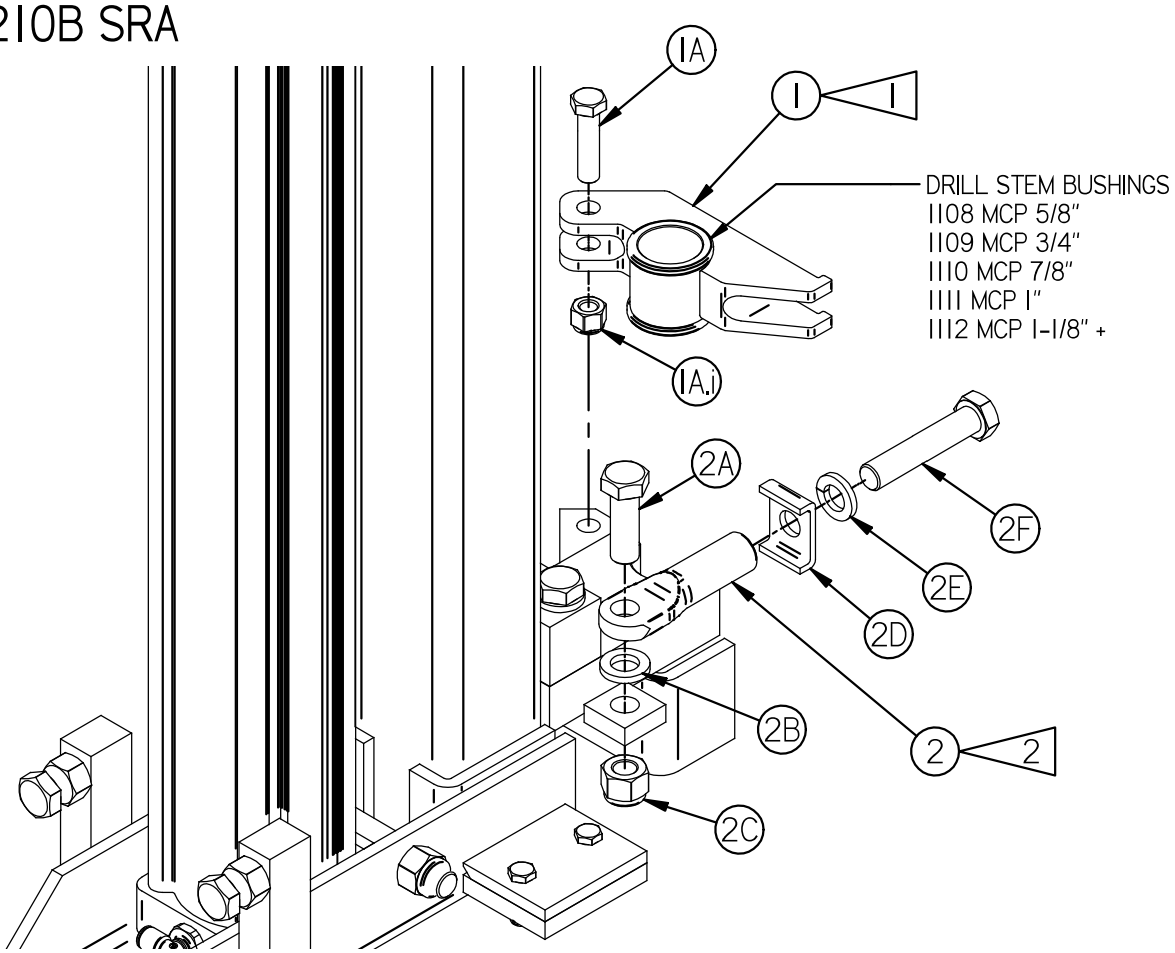
2 SEE PAGE "CYLINDER CLEVIS ASSEMBLY"

3 SEE PAGE "GUIDE WHEEL ASSEMBLY"

18" DRILL DEPTH FEED BAR ASSEMBLY

Item No.	Part Number	Quantity	Description
1	MFA06861	1	18" DEPTH FEED BAR (BOLT ON)
2	1999 FIT	2	3/4" NPT MALE X 3/4" HOSE SWIVEL
3	MFA0626	2	STOP PAD
4	3030PIN	1	6" LANYARD WITH LOOPS
5	2503BLT	4	1/4" NC X 1.00" BOLT, GR. 5
6	2716NUT	5	1/4" NC NYLON LOCK NUT
7	2801 WAS	2	1/4" FLAT WASHER
8	CRA0218	1	CARRIAGE LOCK
9	2501BLT	1	1/4" NC X .75" HX HD BOLT
10	2572BLT	1	1/2" NC X 4 1/2" BOLT, GR. 5
11	2734NUT	1	1/2" NC NYLON INSERT LOCKNUT
12	2732 NUT	6	1/2" NC STANDARD NUT
13	2560BLT	6	1/2" NC X 1.25" HX HD BOLT
14	2538 BLT	2	3/8" NC X 1.00" HX HD BOLT
15	2821 WAS	2	3/8" LOCK WASHER
16	MFA06242	1	FEED CYLINDER MONT
17	0514157 CYL	1	PNEUMATIC CYLINDER 2.50 X 20" STROKE
18	2052 FIT	2	1/4" TUBE X 3/8" NPT 90 DEG. SWIVEL
19	MFA06311	1	BOLT ON UPPER BIT GUIDE W/ GUIDE WHEELS
20	2832 WAS	2	1/2" LOCK WASHER
21	2564 BLT	2	1/2" NC X 2.50" HX HD BOLT

FEED BAR SWIVEL BOLT & DRILL STEM BUSHINGS
MODEL 210B SRA

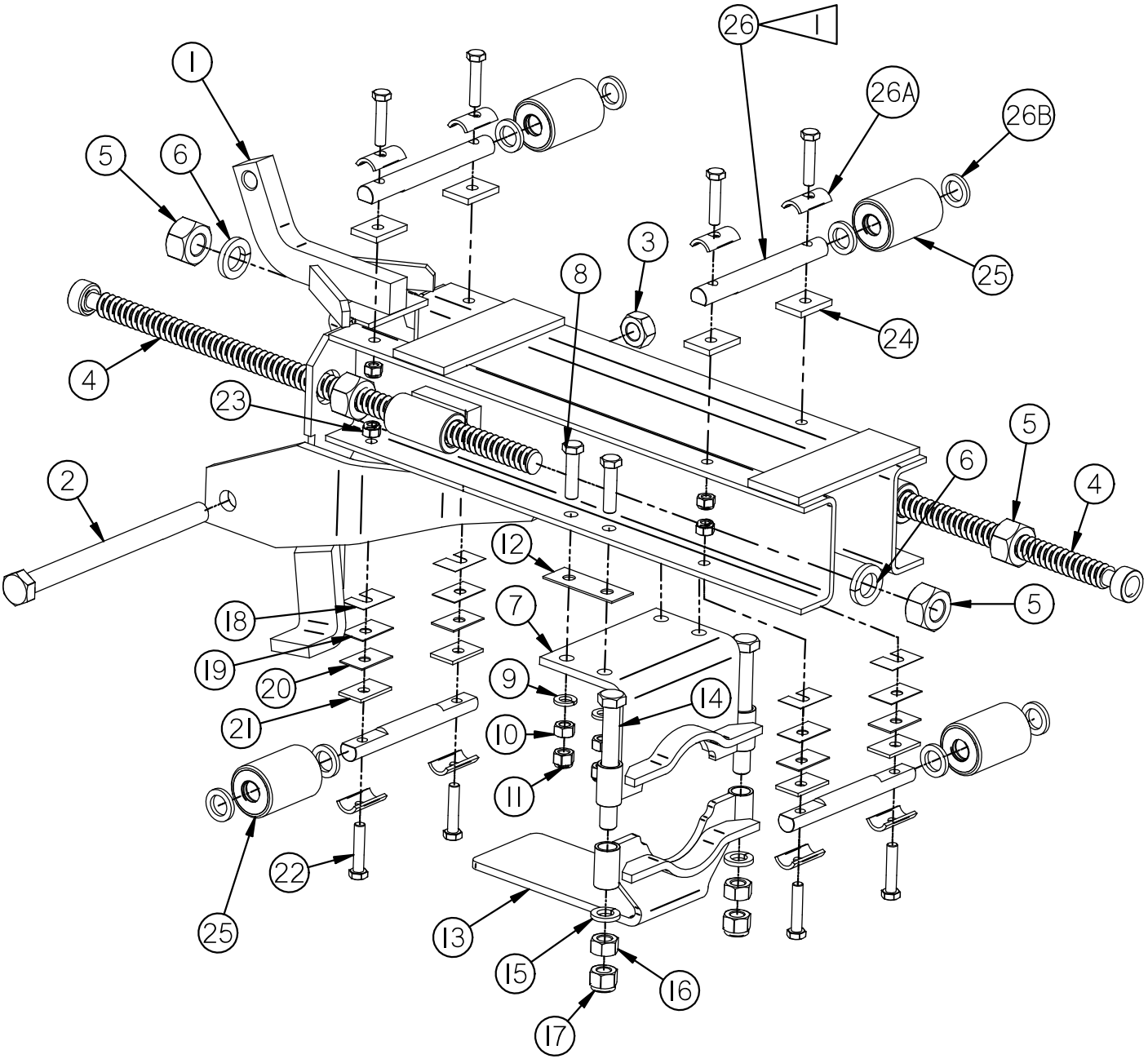


Item No.	Part No.	Quantity	Description
1	MFA0609	1	1.38" LOWER BIT GUIDE (COMPLETE)
1A	MFA0609 BLT	1	3/8" NC HX HD BOLT
1Ai	2727NUT	1	3/8" NC NYLON INSERT LOCKNUT
2	MFA0674	1	SWIVEL BOLT (1/2-13UNC) (COMPLETE)
2A	2562 BLT	1	1/2" NC X 1.50" HX HD TAP BOLT
2B	2831WAS	1	7/8" OD X 1/2" ID WASHER 10GA.
2C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

18" DRILL DEPTH CARRIAGE ASSEMBLY

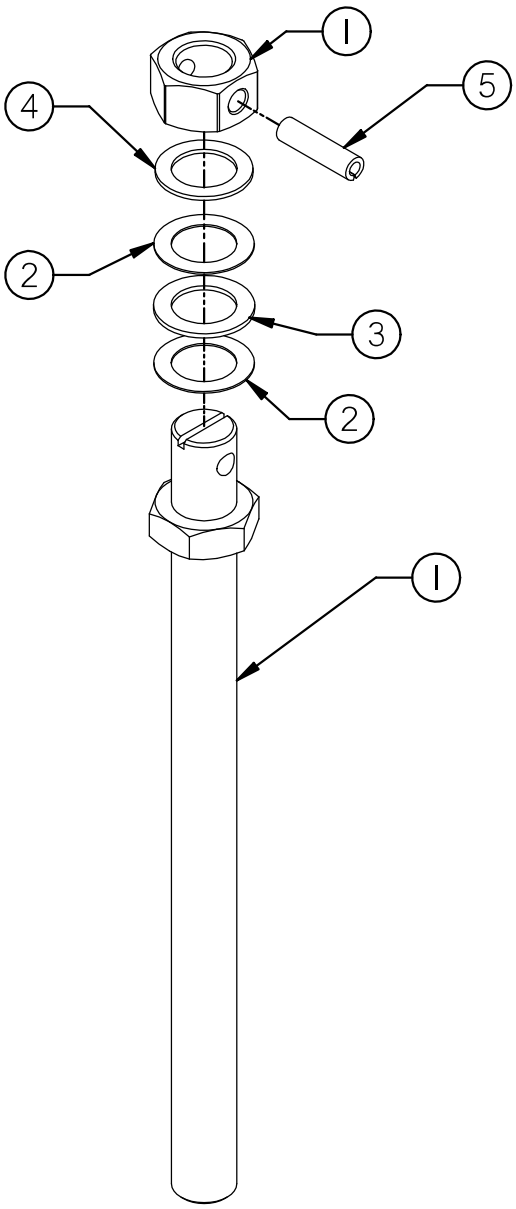


1 ITEM REF. NO. 26 INCLUDES QTY. 2 ITEM NO. 26A AND QTY. 2 ITEM NO. 26B

18" DRILL DEPTH CARRIAGE ASSEMBLY

Item No.	Part No.	Quantity	Description
1	CRG01101	1	CARRIAGE (210B SRA)
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	4	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	4	3/8" NC X 1.50" HX HD BOLT
9	2821 WAS	4	3/8" LOCK WASHER
10	2725 NUT	4	3/8" - NC STANDARD HEX NUT
11	2727NUT	4	3/8" NC NYLON INSERT LOCKNUT
12	7010 TAB	2	16 GA. TWO HOLE SHIM
13	CRA0216	1	LOWER DRILL BRACKET
14	2570BLT	2	1/2" NC X 4.00" HX HD BOLT
15	2832 WAS	2	1/2" LOCK WASHER
16	2732 NUT	2	1/2" NC STANDARD NUT
17	2734NUT	2	1/2" NC NYLON INSERT LOCKNUT
18	7009TAB	4	STAINLESS STEEL SHIM (AS NEEDED)
19	7013TAB	4	22 GA. SHIM (AS NEEDED)
20	7012TAB	4	18 GA. SHIM (AS NEEDED)
21	7011TAB	4	12 GA. SHIM (AS NEEDED)
22	2526 BLT	8	5/16" NC X 1.50" HX HD BOLT
23	2719 NUT	8	5/16" NC NYLON INSERT LOCKNUT
24	70105TAB	4	3/16" SHIM (ROLLER BRG. AXLE)
25	CRA0233	4	ROLLER BEARING DRUM
26	CRA0234	4	ROLLER BEARING AXLE
26A	CRA0230	8	BEARING KEEPER
26B	2841 WAS	8	5/8" MACHINERY BUSHING (10 GAGE)

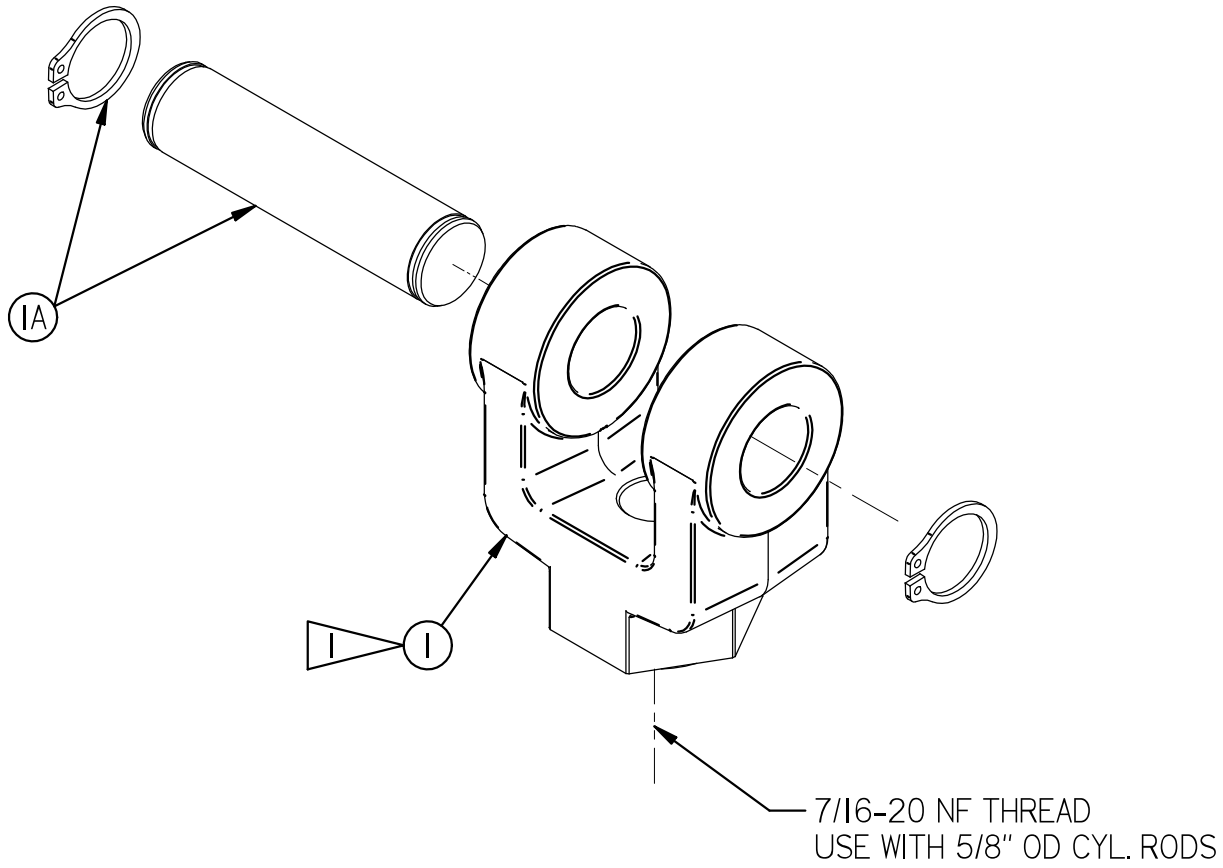
SCREW JACK ASSEMBLY



Item No.	Part No.	Quantity	Description
1	SRU1301	1	SCREW JACK ASSY. (210B-SRA)
2	04080 BRG	2	1.00" THRUST BEARING WASHER
3	0408BRG	1	THRUST BEARING
4	2860 WAS	1	MACHINERY BUSHING (1.00 X 1.50 X 14 GA)
5	3006PIN	1	3/8" X 1 1/2" ROLL PIN

CYLINDER CLEVIS ASSEMBLY

7/16 NF CYLINDER CLEVIS & 1/2" PIN ASSY.



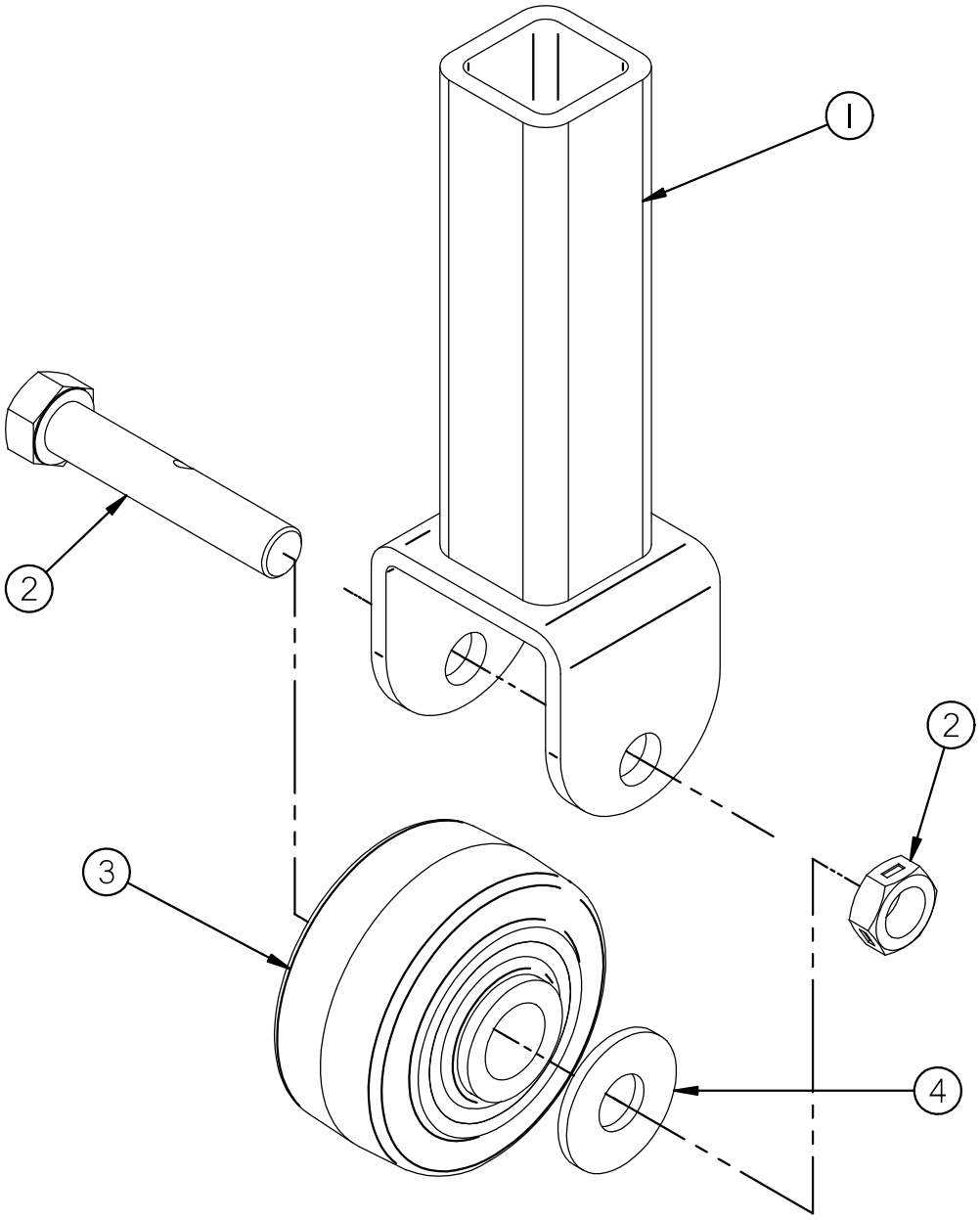
Item No.	Part No.	Quantity	Description
1	0501 CYL	1	CYLINDER CLEVIS (1/2" PIN X 7/16 NF THREAD) W/ PIN ASSEMBLY
1A	3002 PIN	1	CLEVIS PIN ASSY (1/2")

2X EXTERNAL RETAINING RINGS (.50" SHAFT) FURNISHED WITH ITEM REF. NO. 2 (3002 PIN)

0501 CLY ASSEMBLY

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

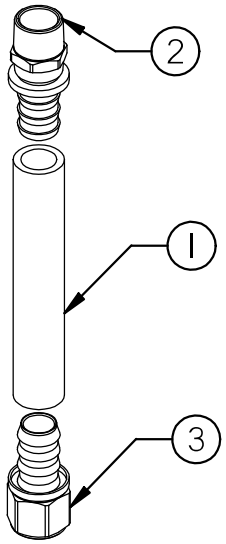
GUIDE WHEEL ASSEMBLY



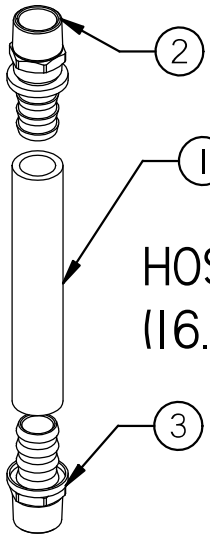
Item No.	Part No.	Quantity	Description
1	MOB09280	1	GUIDE WHEEL BRACKET, 210B SRA
2	25674BLT	1	1/2" X 2-3/4" GREASE BOLT KIT
3	0207 WHL	1	GUIDE WHEEL
4	2830 WAS	1	1/2" STD. FLAT WASHER

HOSE ASSEMBLIES

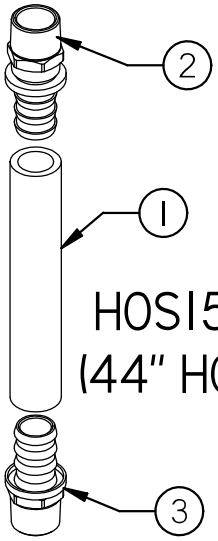
HOS1501
(32" HOSE)



HOS1504
(16.50" HOSE)



HOS1510
(44" HOSE)



HOS1501 HOSE - FEED BAR TO DRILL

Item No.	Part No.	Quantity	Description
1	1904 HOS	1	3/4" PUSH ON HOSE
2	1999 FIT	1	3/4" NPT MALE X 3/4" HOSE SWIVEL
3	19989 FIT	1	3/4" NPT FEMALE X 3/4" HOSE NON-SWIVEL

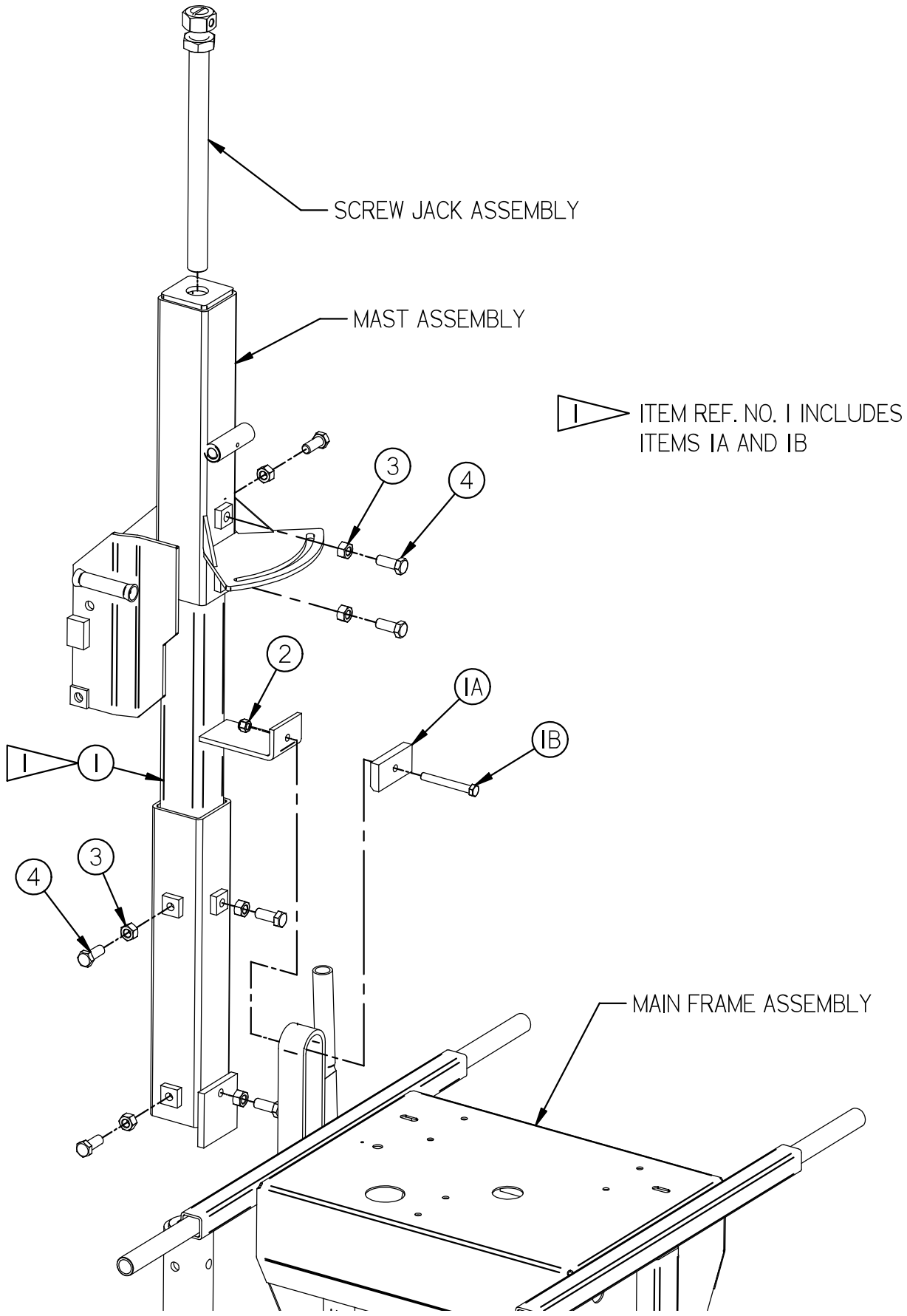
HOS1504 HOSE - OILER TO MANIFOLD

Item No.	Part No.	Quantity	Description
1	1904 HOS	1	3/4" PUSH ON HOSE
2	1999 FIT	1	3/4" NPT MALE X 3/4" HOSE SWIVEL
3	2003 FIT	1	3/4" NPT MALE X 3/4" HOSE SWIVEL

HOS1510 HOSE - OILER TO FEED BAR

Item No.	Part No.	Quantity	Description
1	1904 HOS	1	3/4" PUSH ON HOSE
2	1999 FIT	1	3/4" NPT MALE X 3/4" HOSE SWIVEL
3	2003 FIT	1	3/4" NPT MALE X 3/4" HOSE SWIVEL

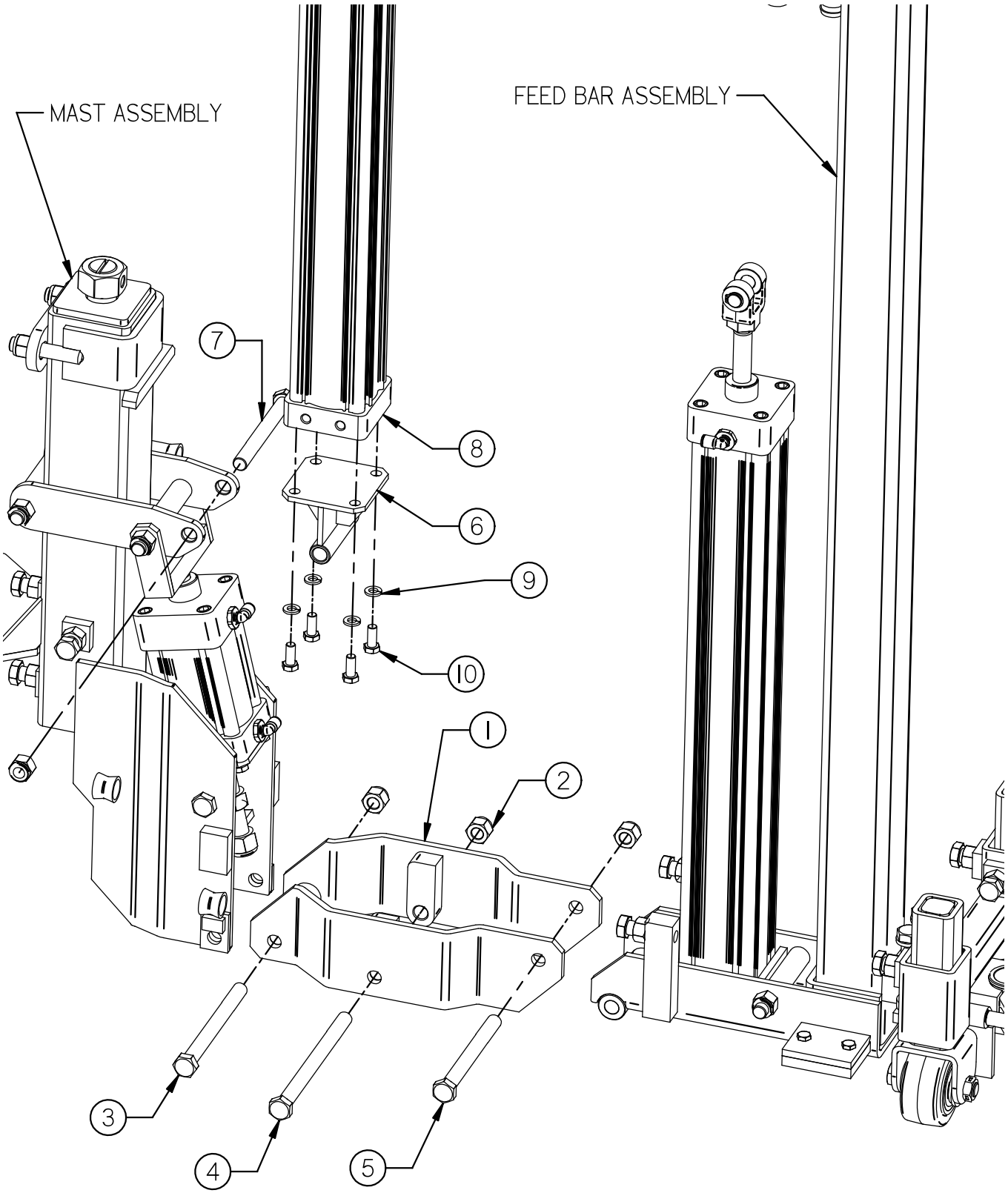
MAST EXTENSION ASSEMBLY



MAST EXTENSION ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MFA06502	1	MAST EXTENSION (210B SRA)
1A	MFA06502_01	1	MAST EXTENSION CLAMP
1B	2547 BLT	1	3/8" NC X 3.00" HX HD BOLT
2	2727NUT	1	3/8" NC NYLON INSERT LOCKNUT
3	2732 NUT	7	1/2" NC STANDARD NUT
4	2560BLT	7	1/2" NC X 1.25" HX HD BOLT

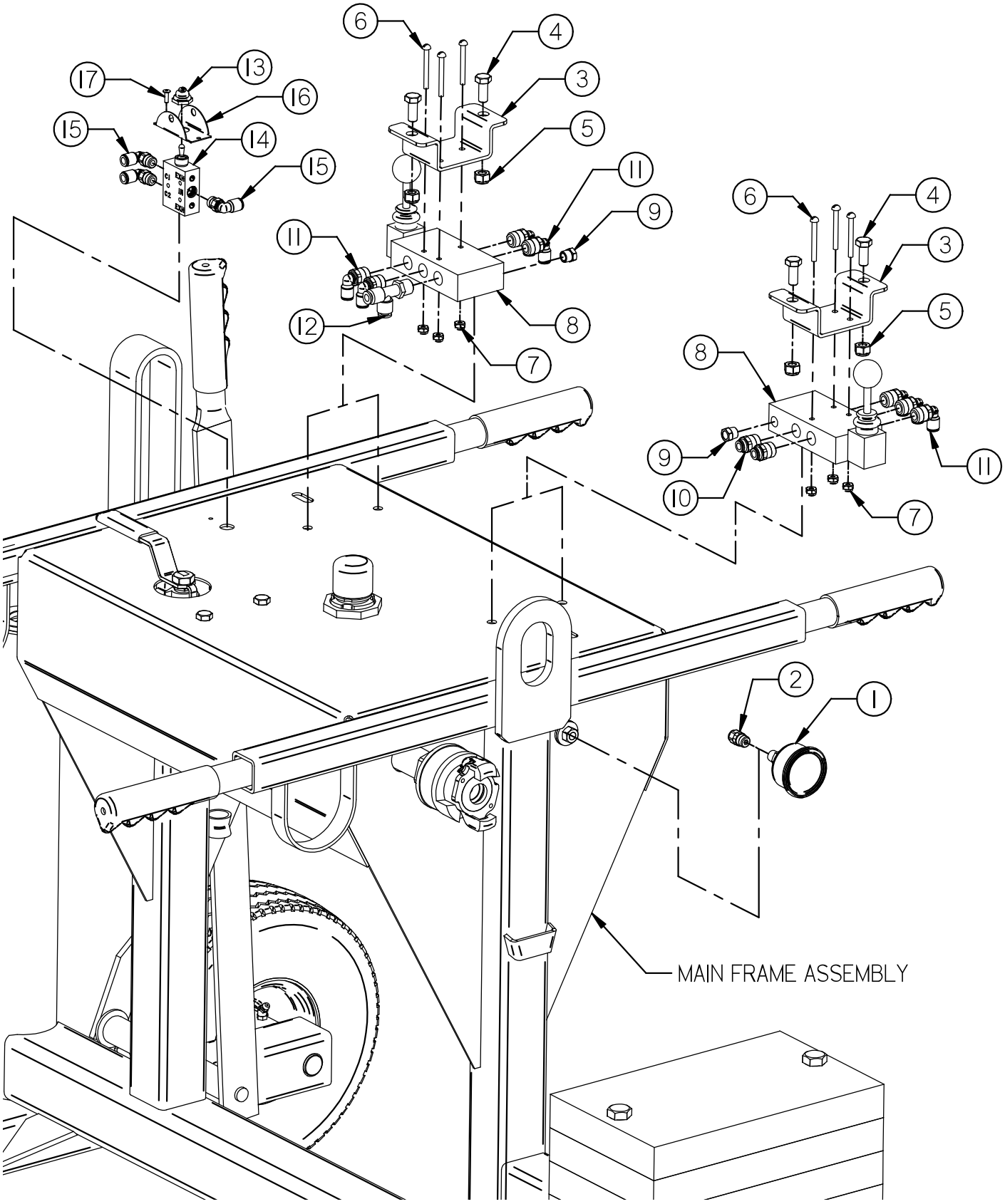
18" DRILL DEPTH FEED BAR EXTENSION ASSEMBLY



18" DRILL DEPTH FEED BAR EXTENSION ASSEMBLY

Item No.	Part No.	Quantity	Description
1	SRU1323	1	18" FEED BAR EXTENSION (210B-SRA)
2	2734NUT	4	1/2" NC NYLON INSERT LOCKNUT
3	2576 BLT	1	1/2" NC X 5.50" HX HD BOLT
4	2578 BLT	1	1/2" NC X 6.50" HX HD BOLT
5	2575 BLT	1	1/2" NC X 5.00" HX HD BOLT
6	SRU1323I	1	18" FEED BAR EXTENSION, CYLINDER MOUNT
7	2572BLT	1	1/2" NC X 4 1/2" BOLT, GR. 5
8	0514157 CYL	1	PNEUMATIC CYLINDER 2.50 X 20" STROKE
9	2810 WAS	4	5/16" LOCK WASHER
10	2516 BLT	4	5/16" NF X .75" HX HD BOLT

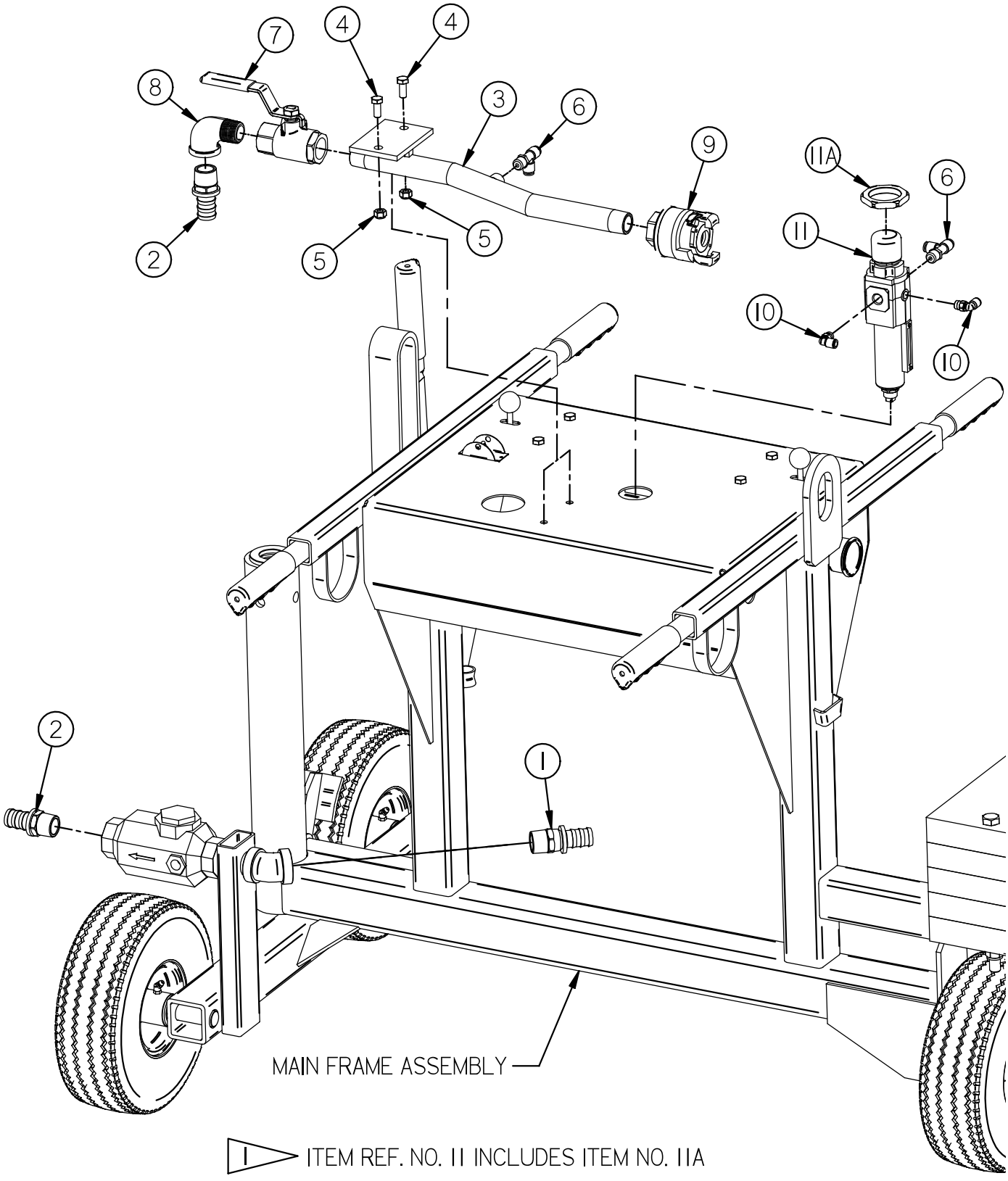
18" DRILL DEPTH CONTROL PANEL ASSEMBLY: A



18" DRILL DEPTH CONTROL PANEL ASSEMBLY: A

Item No.	Part No.	Quantity	Description
1	09022 GAU	1	0-60 PSI FILLED GAUGE (1/8 NPT M)
2	2066 FIT	1	1/4" TUBE X 1/8 NPT M ST. CONNECTOR
3	SRU13460	2	VALVE SPACER
4	2519 BLT	4	5/16" NC X .75" HX HD BOLT
5	2719 NUT	4	5/16" NC NYLON INSERT LOCKNUT
6	2478BLT	6	NO. 8-32 UNC X 1 1/2" MACH. SCREW
7	2712NUT	6	NO. 8-32 UNC NYLON INSERT LOCKNUT
8	060102VAL	2	3 WAY POSITION VALVE WITH KNOB
9	1001 BRV	2	1/8" NPT BREATHER VENT
10	2067 FIT	2	1/4" TUBE X 1/4 NPT M ST. CONNECTOR
11	2051 FIT	7	1/4" TUBE X 1/4" NPT 90 DEG. SWIVEL
12	2035FIT	1	1/4" X 1/4" MALE RUN T
13	1828 GRO	1	RED BOOT FOR 06095VAL
14	06095 VAL	1	2-POSITION 4-WAY DETENTED TOGGLE VALVE
15	2050 FIT	3	1/4" TUBE X 1/8 NPT 90 DEG SWIVEL
16	182800 GRO	1	TOGGLE SWITCH GUARD
17	3070 PIN	1	1/8" X .40" LG. AL POP RIVET (BTN HD)

18" DRILL DEPTH CONTROL PANEL ASSEMBLY: B

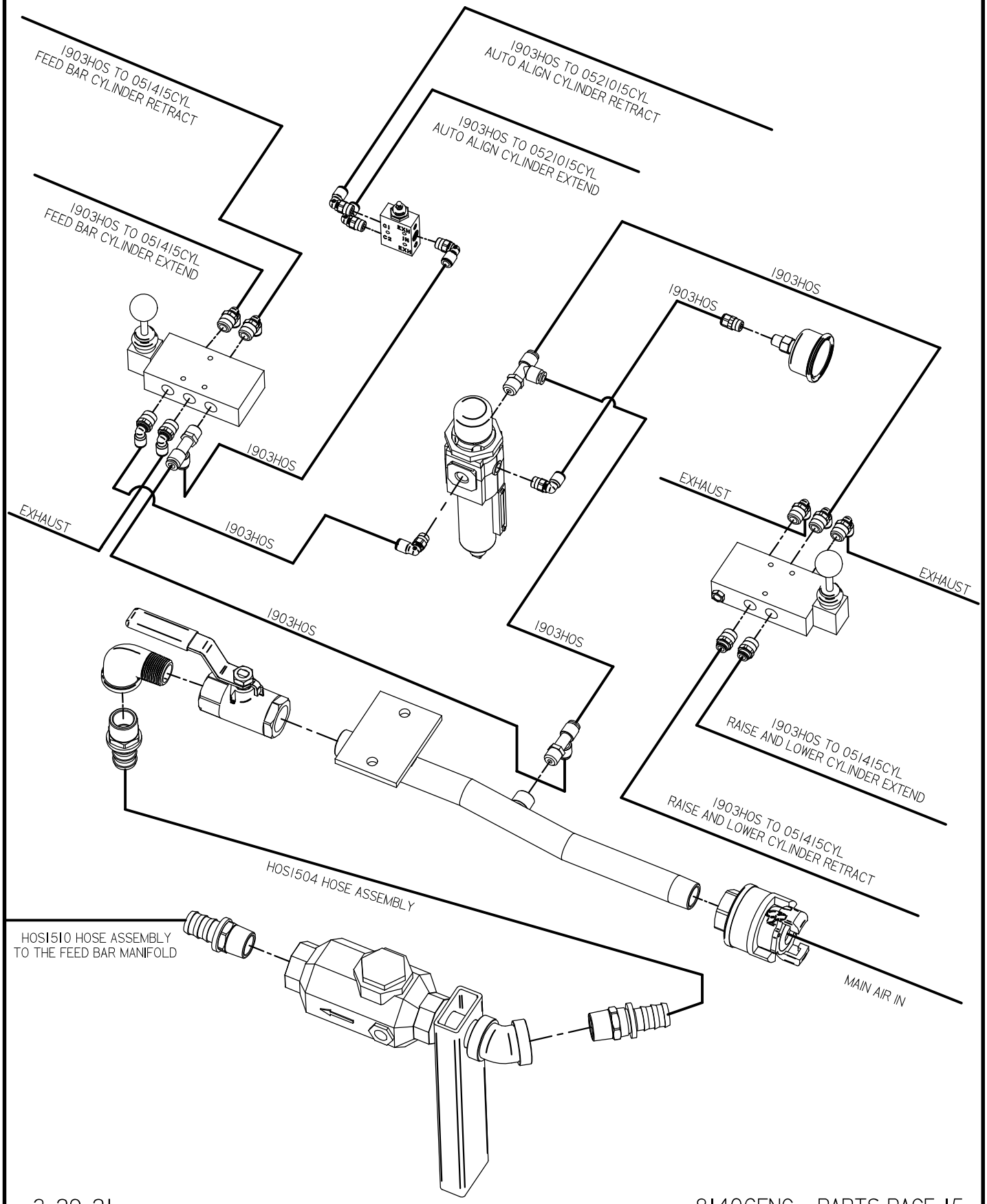


1 ITEM REF. NO. 11 INCLUDES ITEM NO. 11A

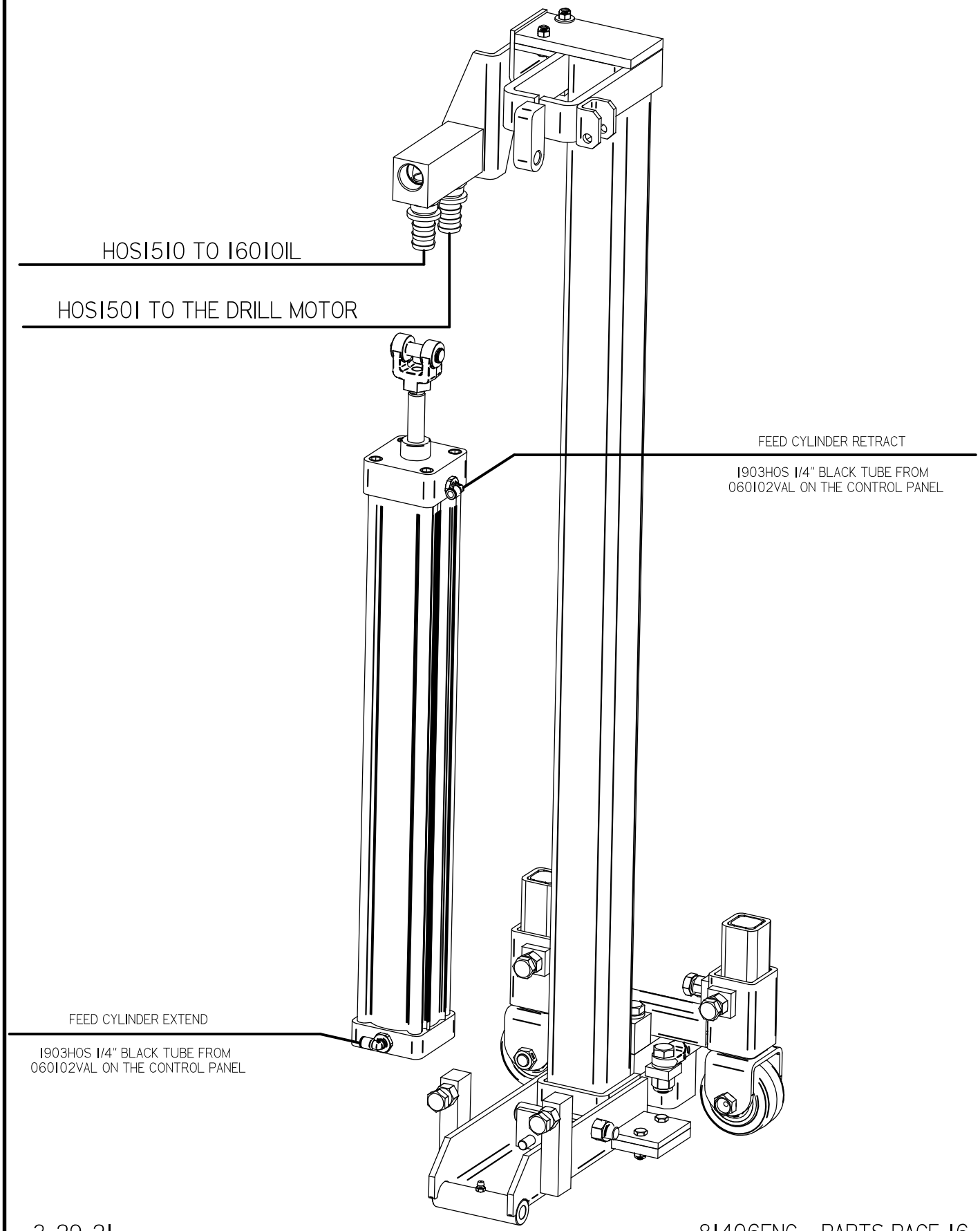
18" DRILL DEPTH CONTROL PANEL ASSEMBLY: B

Item No.	Part No.	Quantity	Description
1	1999 FIT	1	3/4" NPT MALE X 3/4" HOSE SWIVEL
2	2003 FIT	2	3/4" NPT MALE X 3/4" HOSE SWIVEL
3	MFA0652	1	MANIFOLD (210B)
4	2519 BLT	2	5/16" NC X .75" HX HD BOLT
5	2719 NUT	2	5/16" NC NYLON INSERT LOCKNUT
6	2035FIT	2	1/4" X 1/4" MALE RUN T
7	0615VAL	1	3/4" BRASS BALL VALVE ASSEMBLY
8	2155 PFT	1	STREET ELL, 3/4" NPT
9	20090 FIT	1	COUPLING (3/4" NPT)
10	2050 FIT	2	1/4" TUBE X 1/8 NPT 90 DEG SWIVEL
11	08092 REG	1	AIR PRESSURE REGULATOR
11A	17058RPT	1	2" HEX NUT (AIR REGULATOR)

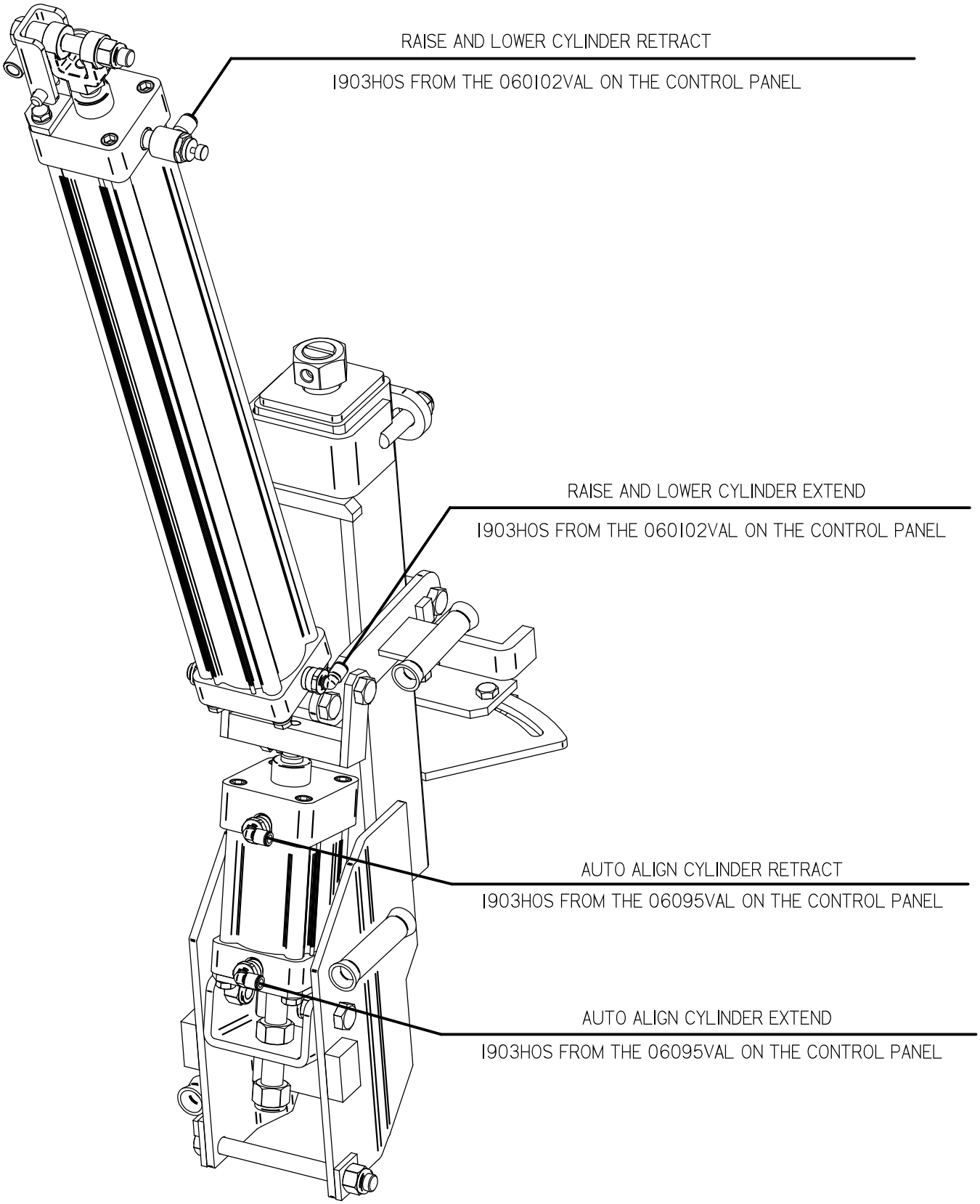
18" DRILL DEPTH CONTROL PANEL SCHEMATIC



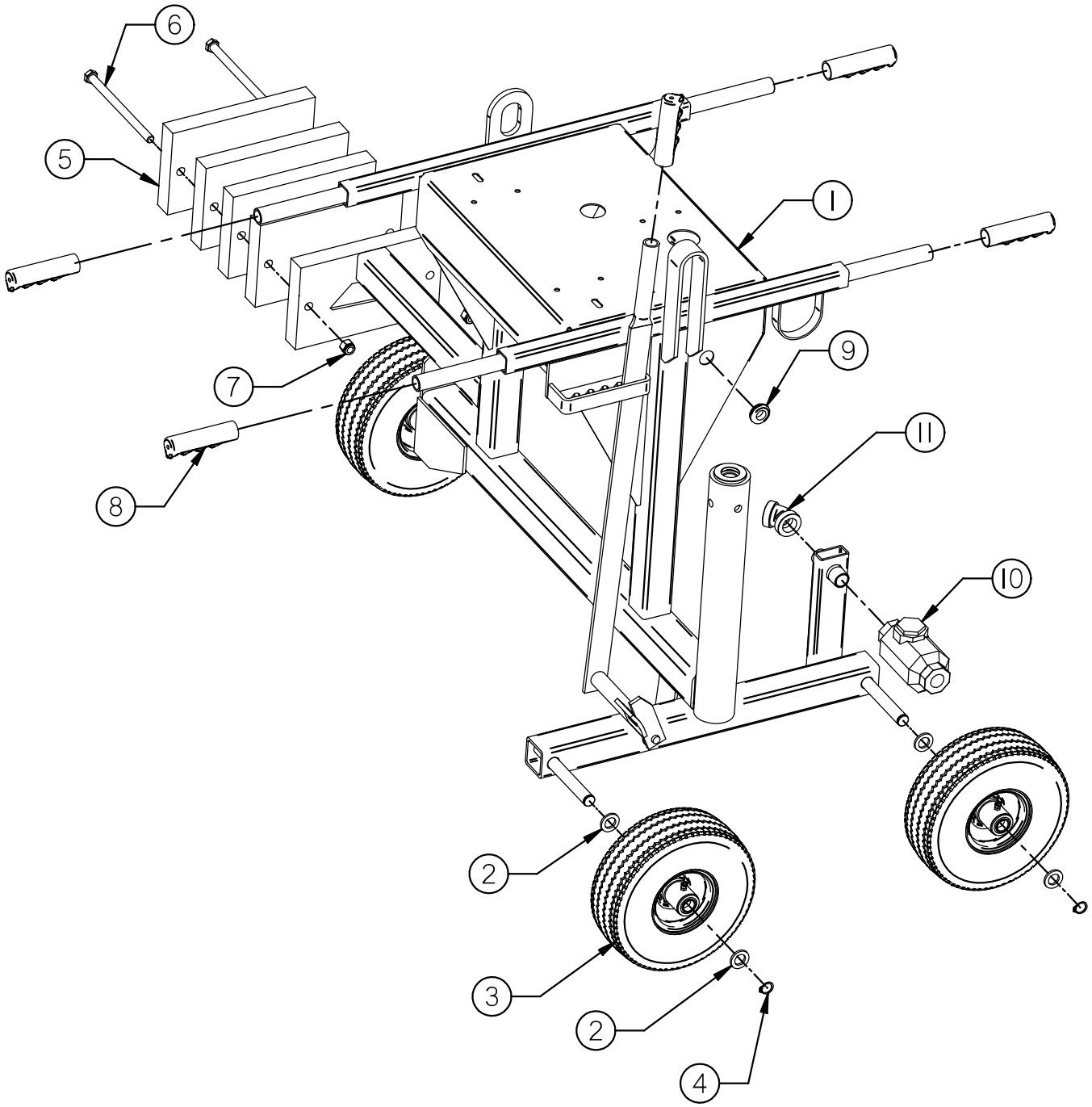
FEED BAR AND CYLINDER SCHEMATIC



RAISE AND LOWER CYLINDER SCHEMATIC AND AUTO ALIGN CYLINDER SCHEMATIC



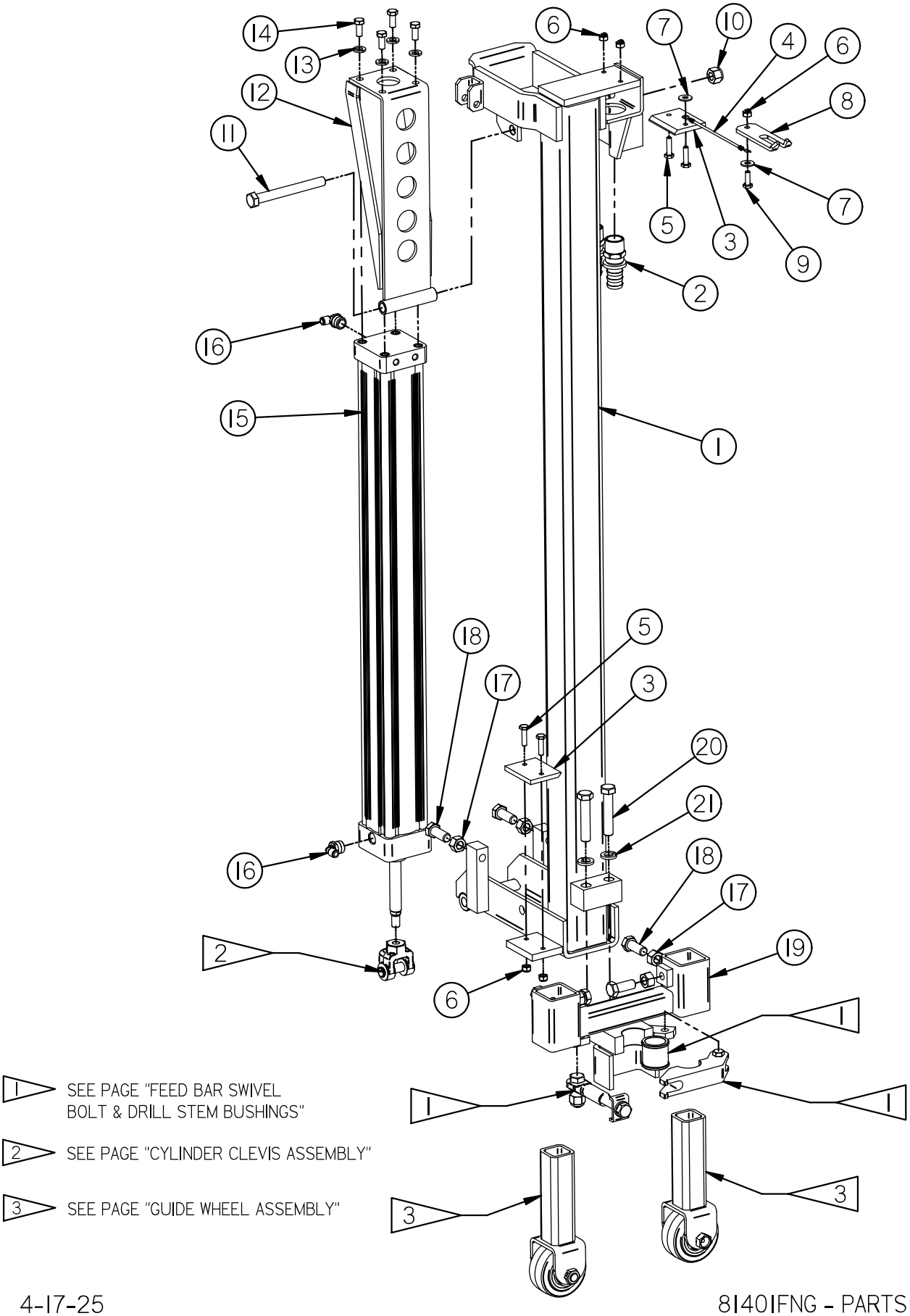
24" DRILL DEPTH MAIN FRAME ASSEMBLY



24" DRILL DEPTH MAIN FRAME ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MNF05121	1	24" MAIN FRAME (210B-SRA)
2	2851 WAS	6	3/4" X 10 GA. WASHER
3	0202 WHL	3	4.10-3.50-4 TIRE-WHEEL
4	3038PIN	3	SNAP RING 3/4"
5	SRU13059	4	COUNTER WEIGHT
6	2580BLT	2	1/2" NC X 7.50" HX HD BOLT
7	2734NUT	2	1/2" NC NYLON INSERT LOCKNUT
8	1820GRO	5	HANDLE GRIP
9	1804 GRO	1	RUBBER GROMET
10	16010IL	1	3/4" PINT OILER
11	2149 PFT	1	3/4" 45DEG. ELBOW

24" DRILL DEPTH FEED BAR ASSEMBLY



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

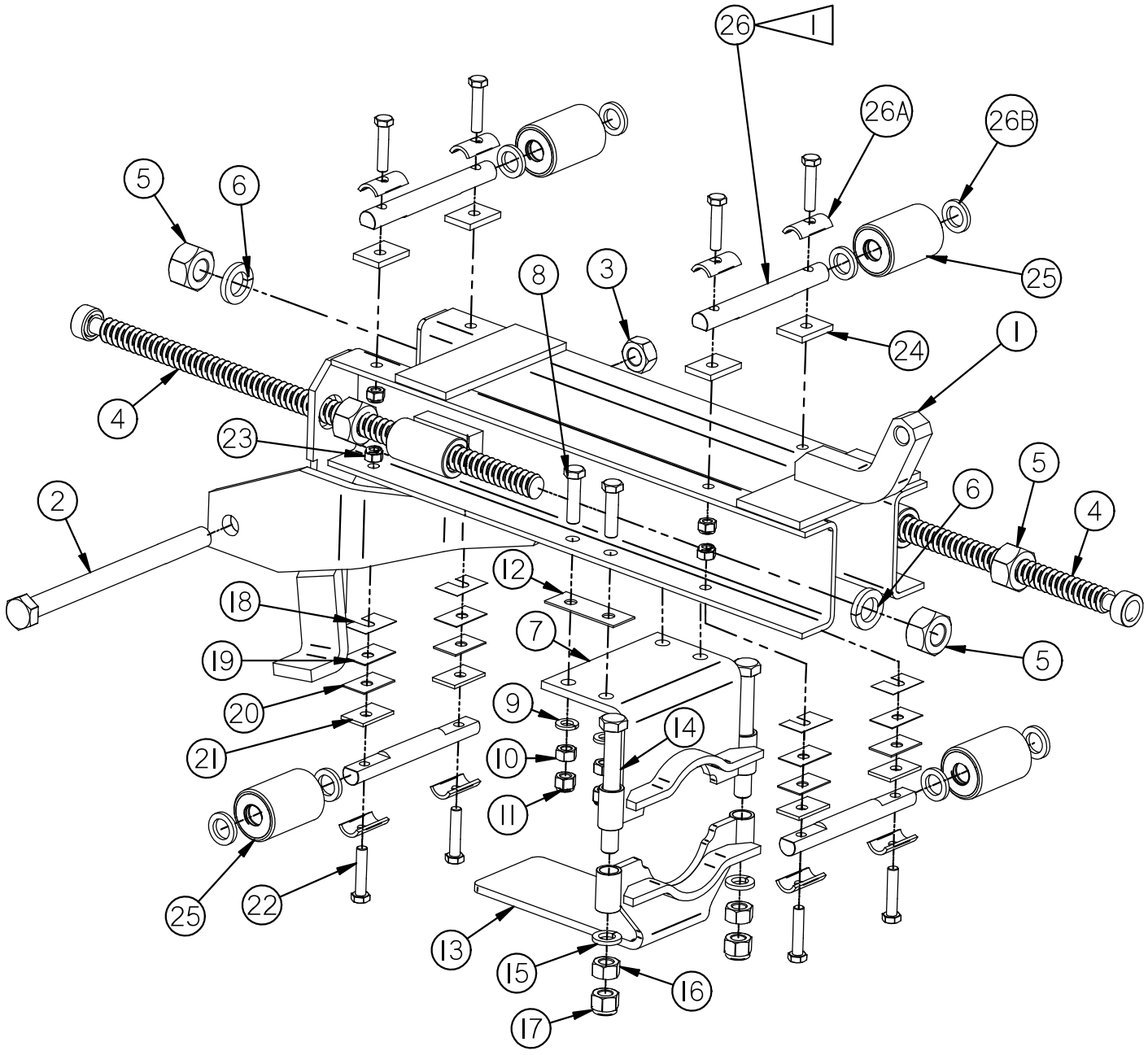
2 SEE PAGE "CYLINDER CLEVIS ASSEMBLY"

3 SEE PAGE "GUIDE WHEEL ASSEMBLY"

24" DRILL DEPTH FEED BAR ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MFA06860	1	24" DEPTH FEED BAR (210B SRA)
2	1999 FIT	2	3/4" NPT MALE X 3/4" HOSE SWIVEL
3	MFA0626	2	STOP PAD
4	3030PIN	1	6" LANYARD WITH LOOPS
5	2503BLT	4	1/4" NC X 1.00" BOLT, GR. 5
6	2716NUT	5	1/4" NC NYLON LOCK NUT
7	2801 WAS	2	1/4" FLAT WASHER
8	CRA0218	1	CARRIAGE LOCK
9	2501BLT	1	1/4" NC X .75" HX HD BOLT
10	2734NUT	1	1/2" NC NYLON INSERT LOCKNUT
11	2572BLT	1	1/2" NC X 4 1/2" BOLT, GR. 5
12	MFA06243	1	CYL. MOUNT BRKT. (30" DD)
13	2821 WAS	4	3/8" LOCK WASHER
14	2516 BLT	4	5/16" NF X .75" HX HD BOLT
15	0516157 CYL	1	PNEUMATIC CYLINDER 2.50 X 26" STROKE
16	2052 FIT	2	1/4" TUBE X 3/8" NPT 90 DEG. SWIVEL
17	2732 NUT	6	1/2" NC STANDARD NUT
18	2560BLT	6	1/2" NC X 1.25" HX HD BOLT
19	MFA06311	1	BOLT ON UPPER BIT GUIDE W/ GUIDE WHEELS
20	2564 BLT	2	1/2" NC X 2.50" HX HD BOLT
21	2832 WAS	2	1/2" LOCK WASHER

24" DRILL DEPTH CARRIAGE ASSEMBLY

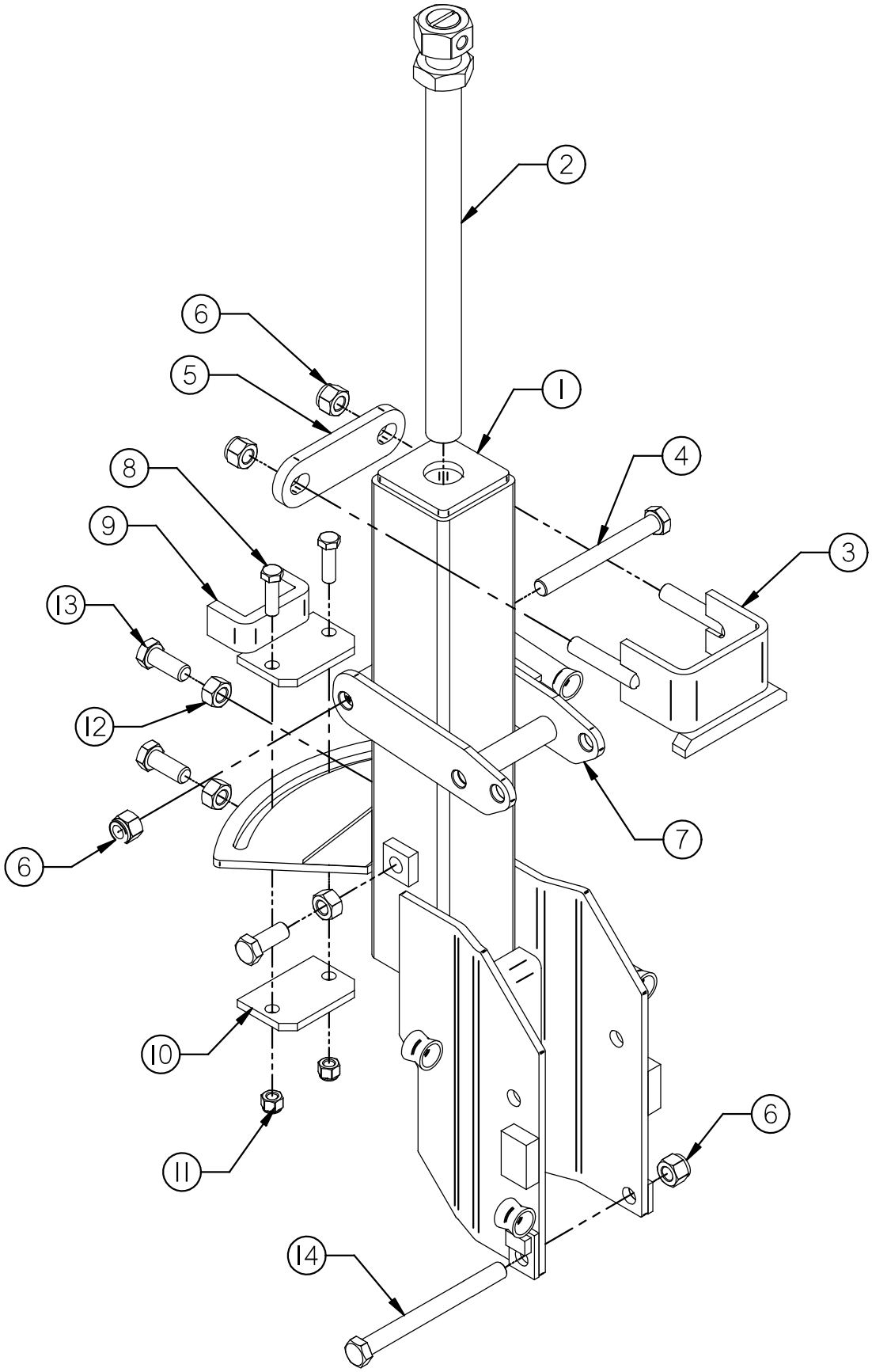


1 ITEM REF. NO. 26 INCLUDES QTY. 2 ITEM NO. 26A AND QTY. 2 ITEM NO. 26B

24" DRILL DEPTH 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	4	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	4	3/8" NC X 1.50" HX HD BOLT
9	2821 WAS	4	3/8" LOCK WASHER
10	2725 NUT	4	3/8" - NC STANDARD HEX NUT
11	2727NUT	4	3/8" NC NYLON INSERT LOCKNUT
12	7010 TAB	2	16 GA. TWO HOLE SHIM
13	CRA0216	1	LOWER DRILL BRACKET
14	2570BLT	2	1/2" NC X 4.00" HX HD BOLT
15	2832 WAS	2	1/2" LOCK WASHER
16	2732 NUT	2	1/2" NC STANDARD NUT
17	2734NUT	2	1/2" NC NYLON INSERT LOCKNUT
18	7009TAB	4	STAINLESS STEEL SHIM (AS NEEDED)
19	7013TAB	4	22 GA. SHIM (AS NEEDED)
20	7012TAB	4	18 GA. SHIM (AS NEEDED)
21	7011TAB	4	12 GA. SHIM (AS NEEDED)
22	2526 BLT	8	5/16" NC X 1.50" HX HD BOLT
23	2719 NUT	8	5/16" NC NYLON INSERT LOCKNUT
24	70105TAB	4	3/16" SHIM (ROLLER BRG. AXLE)
25	CRA0233	4	ROLLER BEARING DRUM
26	CRA0234	4	ROLLER BEARING AXLE
26A	CRA0230	8	BEARING KEEPER
26B	2841 WAS	8	5/8" MACHINERY BUSHING (10 GAGE)

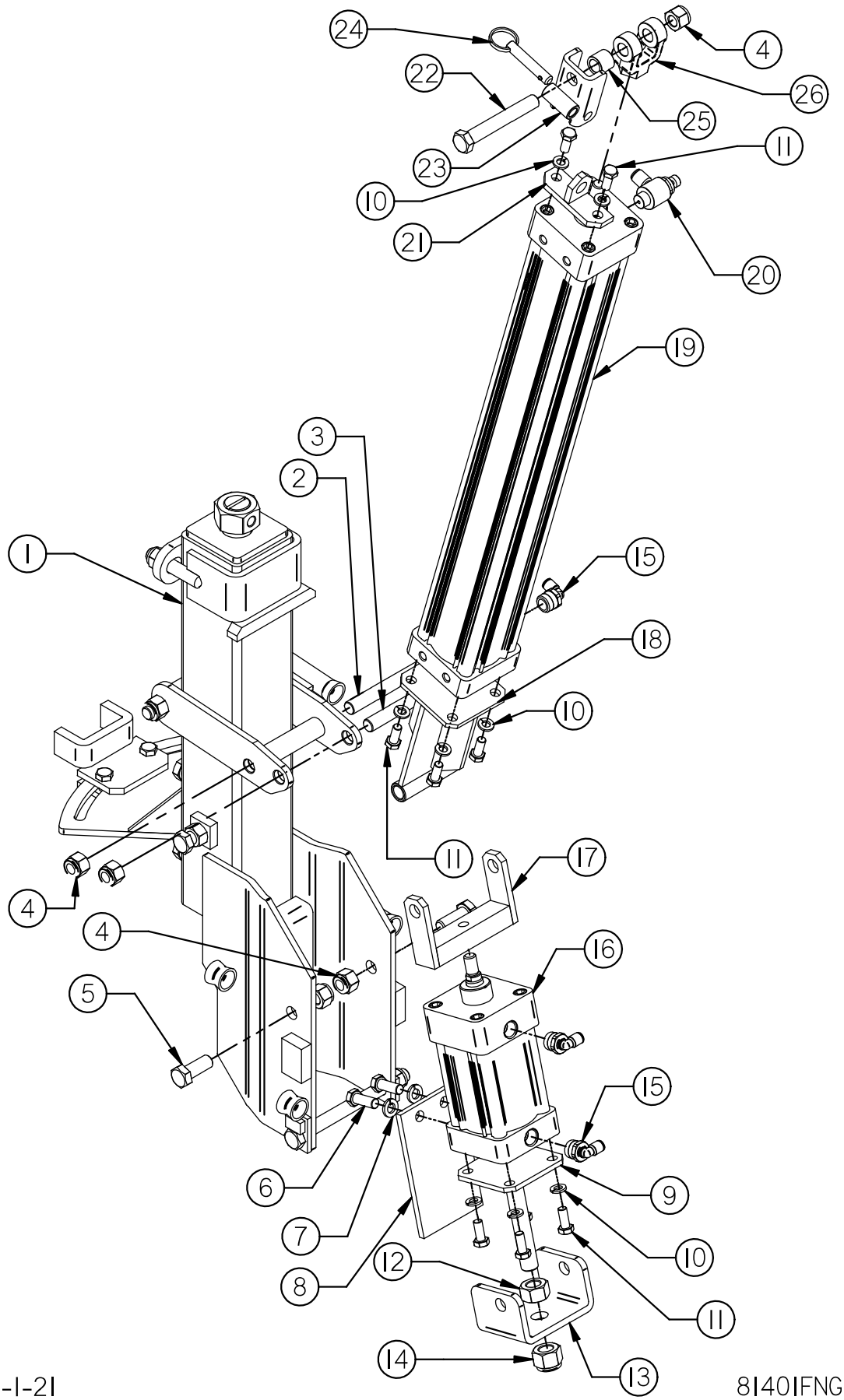
24" DRILL DEPTH MAST ASSEMBLY: A



24" DRILL DEPTH MAST ASSEMBLY: A

Item No.	Part No.	Quantity	Description
1	MFA06500	1	DRILL DEPTH MAST ASSEMBLY
2	SRU1301	1	SCREW JACK ASSY. (210B-SRA)
3	MFA0680	1	VERTICAL ADJUSTING BRACKET
4	2572BLT	1	1/2" NC X 4 1/2" BOLT, GR. 5
5	MFA0689	1	VERTICAL ADJUSTMENT CLAMP STRAP
6	2734NUT	4	1/2" NC NYLON INSERT LOCKNUT
7	MFA0678	1	ALIGNMENT ARM
8	2540 BLT	2	3/8" NC X 1.25" HX HD BOLT
9	MFA06841	1	SKEW LOCK
10	MFA06842	1	SKEW LOCK PLATE
11	2727NUT	2	3/8" NC NYLON INSERT LOCKNUT
12	2732 NUT	3	1/2" NC STANDARD NUT
13	2560BLT	3	1/2" NC X 1.25" HX HD BOLT
14	2576 BLT	1	1/2" NC X 5.50" HX HD BOLT

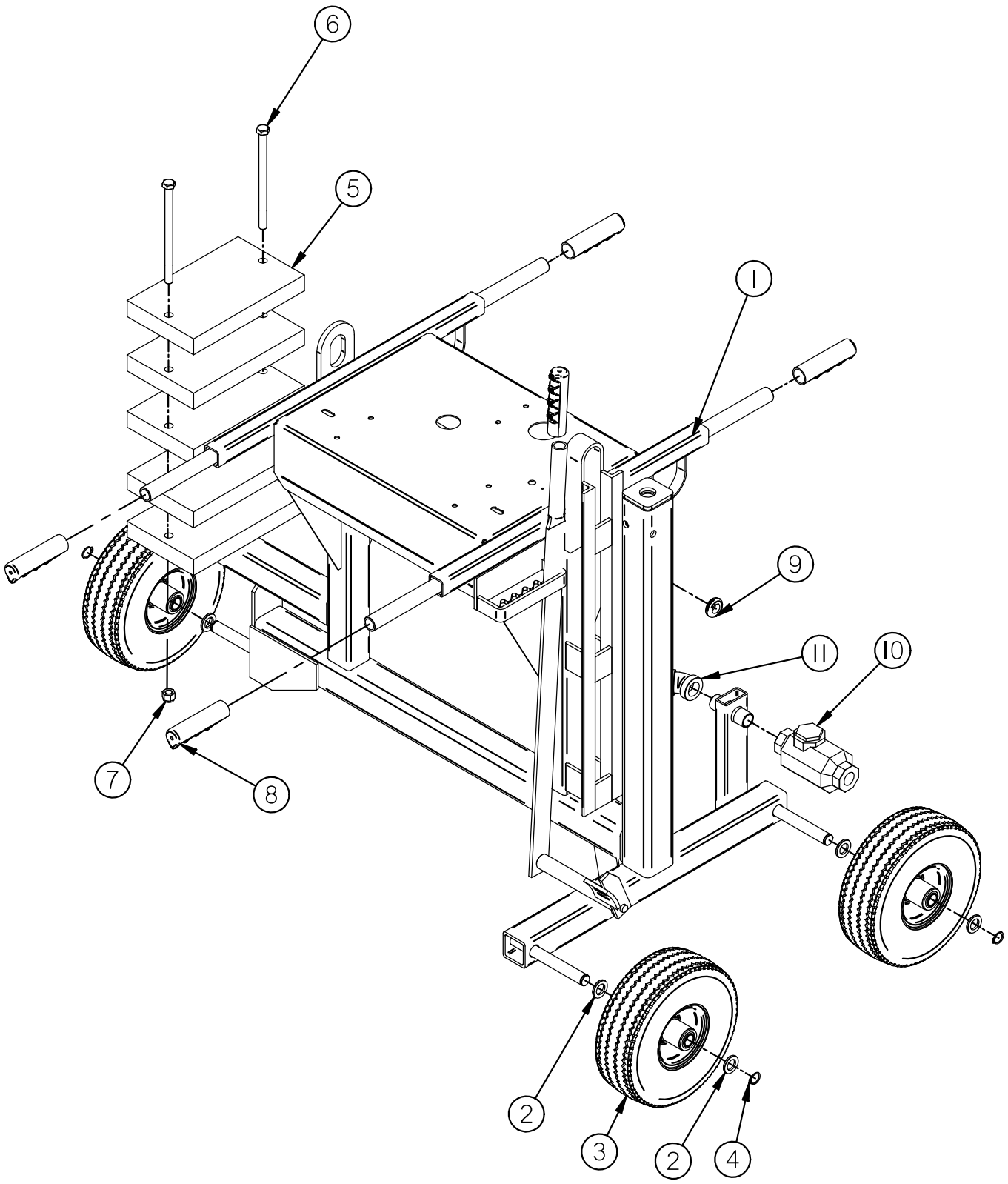
24" DRILL DEPTH MAST ASSEMBLY: B



24" DRILL DEPTH MAST ASSEMBLY: B

Item No.	Part No.	Quantity	Description
1	MFA06500	1	DRILL DEPTH MAST ASSEMBLY
2	2575 BLT	1	1/2" NC X 5.00" HX HD BOLT
3	2572BLT	1	1/2" NC X 4 1/2" BOLT, GR. 5
4	2734NUT	5	1/2" NC NYLON INSERT LOCKNUT
5	2560BLT	2	1/2" NC X 1.25" HX HD BOLT
6	2538 BLT	2	3/8" NC X 1.00" HX HD BOLT
7	2821 WAS	2	3/8" LOCK WASHER
8	MFA06840	1	RETAINING PLATE FOR AUTO ALIGN CYLINDER
9	MFA0682	1	CYLINDER ADJUST AUTO ALIGN
10	2810 WAS	10	5/16" LOCK WASHER
11	2516 BLT	10	5/16" NF X .75" HX HD BOLT
12	2740 NUT	1	5/8" NC STD. HEX NUT
13	MFA0684	1	PIVOT AUTO ALIGN
14	2743NUT	1	5/8" NC NYLON LOCK NUT
15	2052 FIT	3	1/4" TUBE X 3/8" NPT 90 DEG. SWIVEL
16	05210157 CYL	1	2-1/2" X 2" CYLINDER
17	MFA0683	1	AUTO ALIGN CLEVIS
18	SRU1324	1	24" FEED BAR EXTENSION, CYLINDER MOUNT
19	0514157 CYL	1	PNEUMATIC CYLINDER 2.50 X 20" STROKE
20	0611 VAL	1	SMC AIR FLOW CONTROL VALVE
21	MFA0673	1	CYLINDER LOCK
22	2568 BLT	1	1/2" NC X 3.50" HX HD BOLT
23	MFA0672	1	CYLINDER LOCK CLEVIS
24	3029PIN	1	LOCK PIN
25	MFA06721	1	CYLINDER LOCK CLEVIS SPACER
26	0501 CYL	1	CYLINDER CLEVIS (1/2" PIN X 7/16 NF THREAD) W/ PIN ASSEMBLY

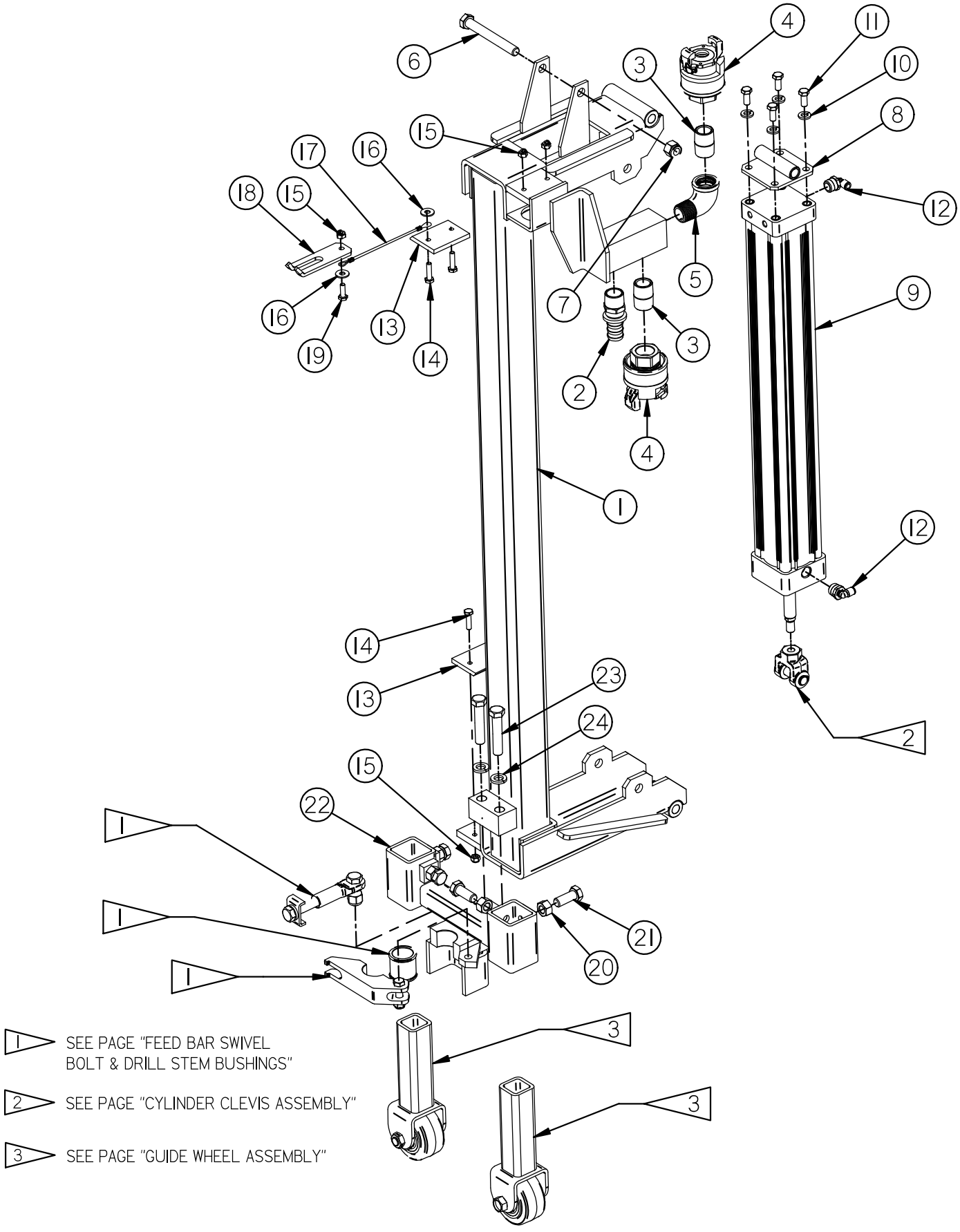
4 WAY MAIN FRAME ASSEMBLY



4 WAY MAIN FRAME ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MNF0517	1	4 WAY MAIN FRAME
2	2851 WAS	6	3/4" X 10 GA. WASHER
3	0202 WHL	3	4.10-3.50-4 TIRE-WHEEL
4	3038PIN	3	SNAP RING 3/4"
5	SRU13059	4	COUNTER WEIGHT
6	2580BLT	2	1/2" NC X 7.50" HX HD BOLT
7	2734NUT	2	1/2" NC NYLON INSERT LOCKNUT
8	1820GRO	5	HANDLE GRIP
9	1804 GRO	1	RUBBER GROMET
10	160101L	1	3/4" PINT OILER
11	2149 PFT	1	3/4" 45DEG. ELBOW

4 WAY FEED BAR ASSEMBLY



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

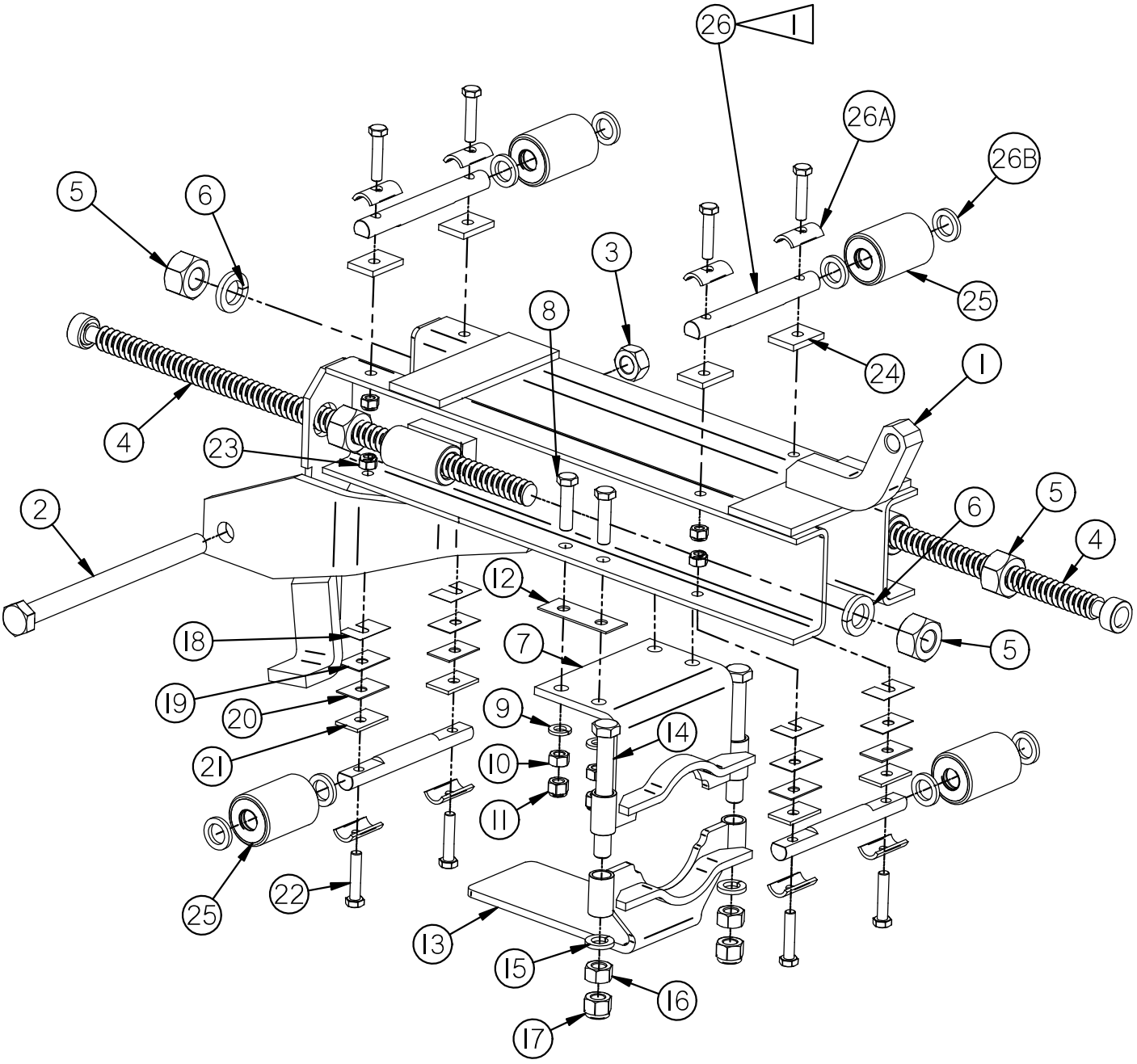
2 SEE PAGE "CYLINDER CLEVIS ASSEMBLY"

3 SEE PAGE "GUIDE WHEEL ASSEMBLY"

4 WAY FEED BAR ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MFA06850	1	18" FEED BAR "4 WAY"
2	1999 FIT	1	3/4" NPT MALE X 3/4" HOSE SWIVEL
3	2114PFT	2	3/4' X 1 1/2" NIPPLE
4	20090 FIT	2	COUPLING (3/4" NPT)
5	2155 PFT	1	STREET ELL, 3/4" NPT
6	2570BLT	1	1/2" NC X 4.00" HX HD BOLT
7	2734NUT	1	1/2" NC NYLON INSERT LOCKNUT
8	SRG1120	1	CYLINDER MOUNT BRACKET
9	0514157 CYL	1	PNEUMATIC CYLINDER 2.50 X 20" STROKE
10	2821 WAS	4	3/8" LOCK WASHER
11	2516 BLT	4	5/16" NF X .75" HX HD BOLT
12	2052 FIT	2	1/4" TUBE X 3/8" NPT 90 DEG. SWIVEL
13	MFA0626	2	STOP PAD
14	2503BLT	4	1/4" NC X 1.00" BOLT, GR. 5
15	2716NUT	5	1/4" NC NYLON LOCK NUT
16	2801 WAS	2	1/4" FLAT WASHER
17	3030PIN	1	6" LANYARD WITH LOOPS
18	CRA0218	1	CARRIAGE LOCK
19	2501BLT	1	1/4" NC X .75" HX HD BOLT
20	2732 NUT	4	1/2" NC STANDARD NUT
21	2560BLT	4	1/2" NC X 1.25" HX HD BOLT
22	MFA06311	1	BOLT ON UPPER BIT GUIDE W/ GUIDE WHEELS
23	2564 BLT	2	1/2" NC X 2.50" HX HD BOLT
24	2832 WAS	2	1/2" LOCK WASHER

4 WAY SRA CARRIAGE ASSEMBLY

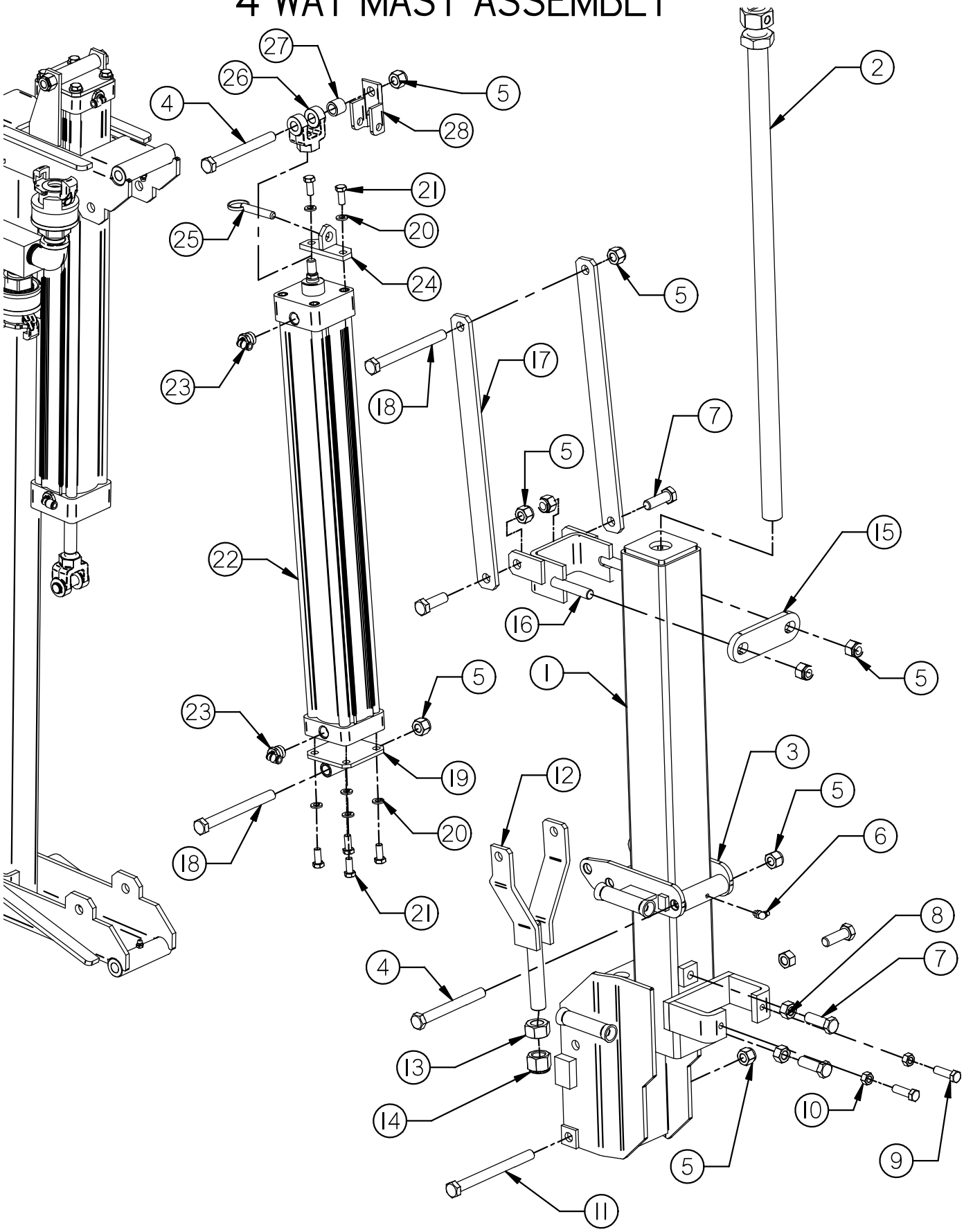


1 ITEM REF. NO. 26 INCLUDES QTY. 2 ITEM NO. 26A AND QTY. 2 ITEM NO. 26B

4 WAY SRA 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	4	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	4	3/8" NC X 1.50" HX HD BOLT
9	2821 WAS	4	3/8" LOCK WASHER
10	2725 NUT	4	3/8" - NC STANDARD HEX NUT
11	2727NUT	4	3/8" NC NYLON INSERT LOCKNUT
12	7010 TAB	2	16 GA. TWO HOLE SHIM
13	CRA0216	1	LOWER DRILL BRACKET
14	2570BLT	2	1/2" NC X 4.00" HX HD BOLT
15	2832 WAS	2	1/2" LOCK WASHER
16	2732 NUT	2	1/2" NC STANDARD NUT
17	2734NUT	2	1/2" NC NYLON INSERT LOCKNUT
18	7009TAB	4	STAINLESS STEEL SHIM (AS NEEDED)
19	7013TAB	4	22 GA. SHIM (AS NEEDED)
20	7012TAB	4	18 GA. SHIM (AS NEEDED)
21	7011TAB	4	12 GA. SHIM (AS NEEDED)
22	2526 BLT	8	5/16" NC X 1.50" HX HD BOLT
23	2719 NUT	8	5/16" NC NYLON INSERT LOCKNUT
24	70105TAB	4	3/16" SHIM (ROLLER BRG. AXLE)
25	CRA0233	4	ROLLER BEARING DRUM
26	CRA0234	4	ROLLER BEARING AXLE
26A	CRA0230	8	BEARING KEEPER
26B	2841 WAS	8	5/8" MACHINERY BUSHING (10 GAGE)

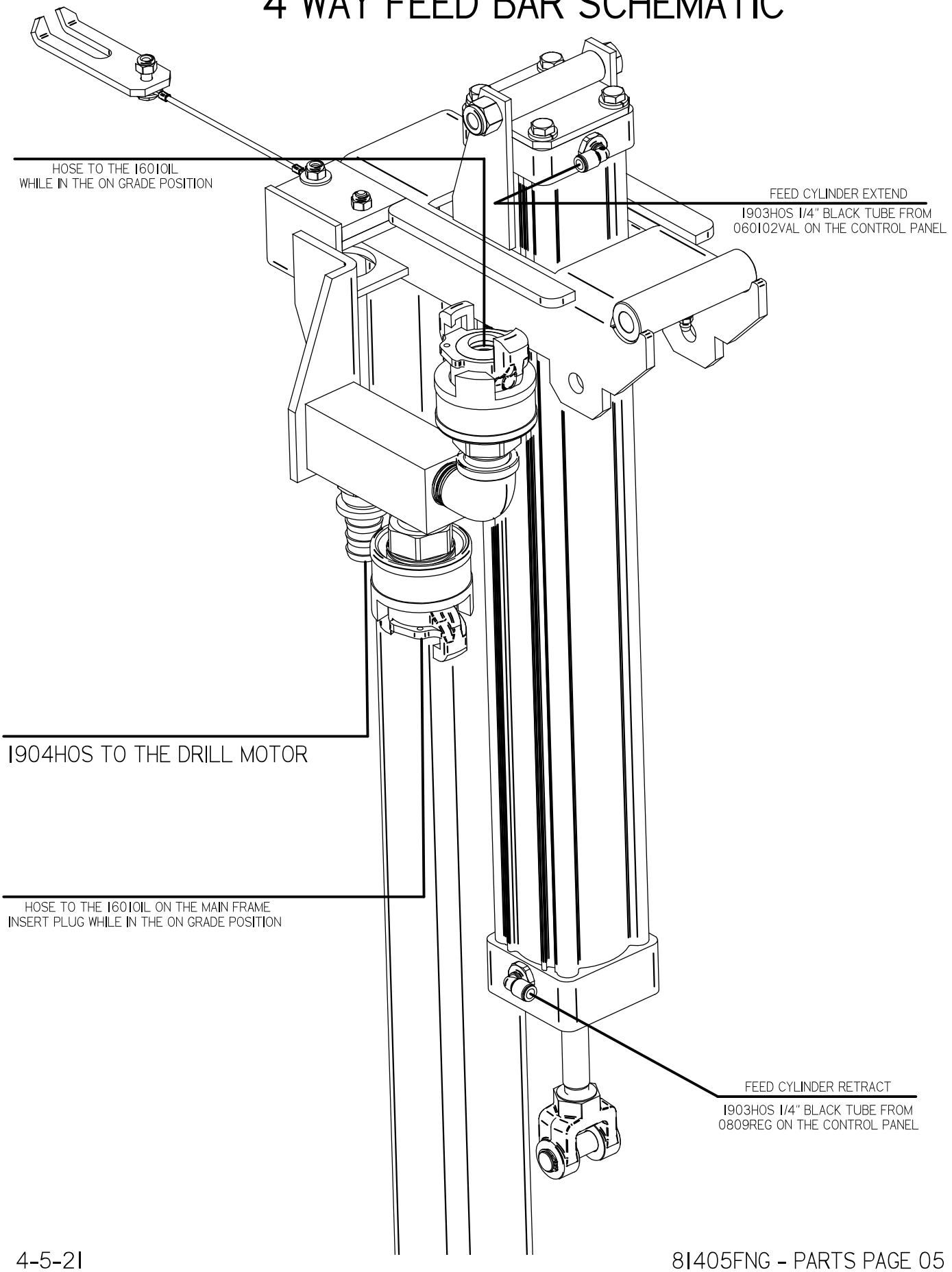
4 WAY MAST ASSEMBLY



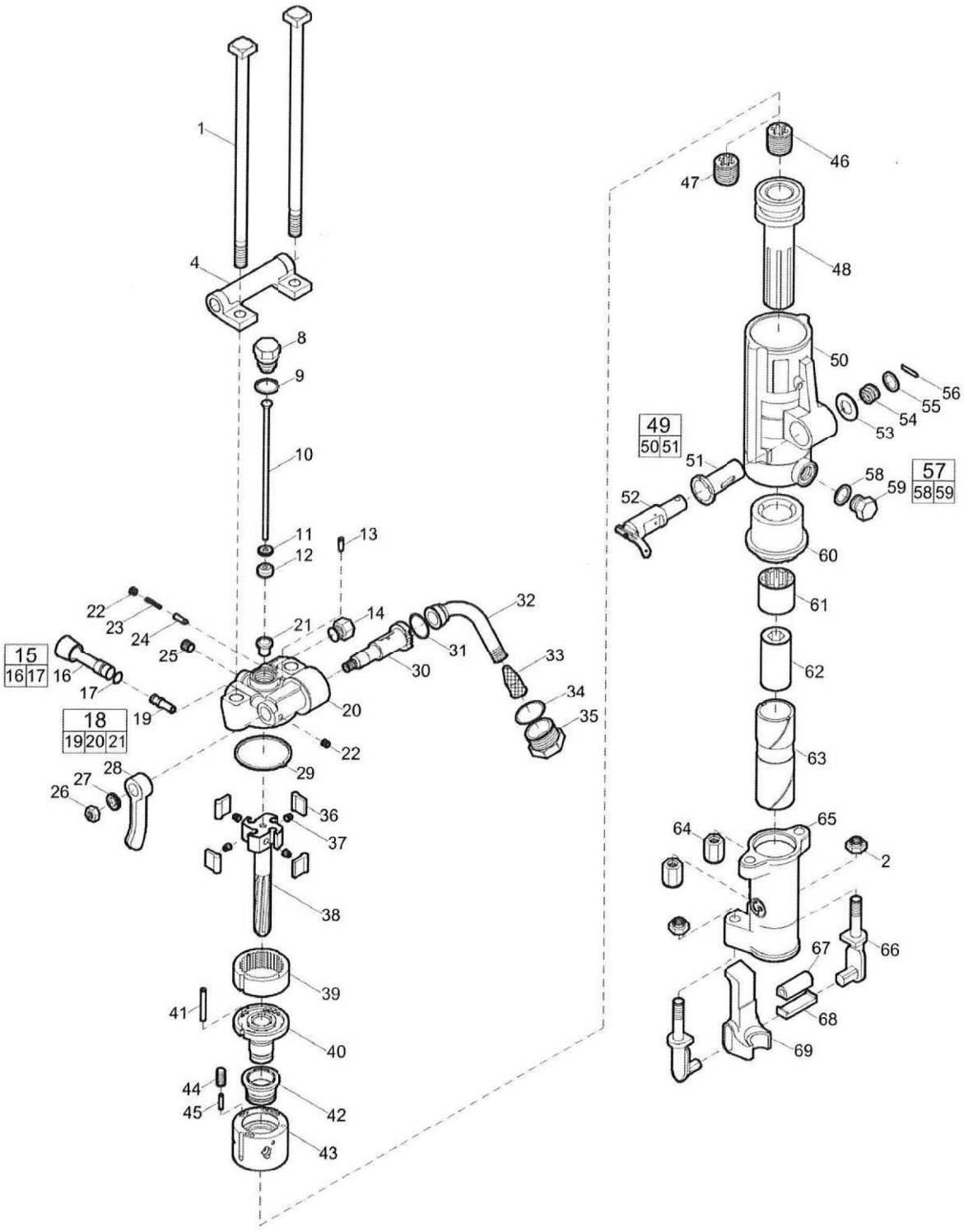
4 WAY MAST ASSEMBLY

Item No.	Part No.	Quantity	Description
1	MFA06501	1	4 WAY MAST
2	SRU1337	1	SCREW JACK ASSY. (4-WAY)
3	MFA0678	1	ALIGNMENT ARM
4	2572BLT	2	1/2" NC X 4 1/2" BOLT, GR. 5
5	2734NUT	9	1/2" NC NYLON INSERT LOCKNUT
6	95010MIS	1	90 DEG. GREASE ZERT
7	2562 BLT	5	1/2" NC X 1.50" HX HD TAP BOLT
8	2732 NUT	3	1/2" NC STANDARD NUT
9	2540 BLT	2	3/8" NC X 1.25" HX HD BOLT
10	2725 NUT	2	3/8" - NC STANDARD HEX NUT
11	2576 BLT	1	1/2" NC X 5.50" HX HD BOLT
12	MFA0647	1	210 SR YOKE (4 WAY)
13	2748NUT	1	3/4" NC STD NUT
14	2749NUT	1	3/4" NC NYLON LOCK NUT
15	MFA0689	1	VERTICAL ADJUSTMENT CLAMP STRAP
16	MFA07022	1	VERTICAL ADJUSTING BRACKET, 4 WAY
17	MFA07021	2	SUPPORT STRAP
18	2575 BLT	2	1/2" NC X 5.00" HX HD BOLT
19	SRG1120	1	CYLINDER MOUNT BRACKET
20	2810 WAS	6	5/16" LOCK WASHER
21	2516 BLT	6	5/16" NF X .75" HX HD BOLT
22	0514157 CYL	1	PNEUMATIC CYLINDER 2.50 X 20" STROKE
23	2052 FIT	2	1/4" TUBE X 3/8" NPT 90 DEG. SWIVEL
24	MFA0673	1	CYLINDER LOCK
25	3029PIN	1	LOCK PIN
26	0501 CYL	1	CYLINDER CLEVIS (1/2" PIN X 7/16 NF THREAD) W/ PIN ASSEMBLY
27	MFA06721	1	CYLINDER LOCK CLEVIS SPACER
28	MFA06722	1	BASE, 4 WAY SRA CYLINDER LOCK CLEVIS

4 WAY FEED BAR SCHEMATIC



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"