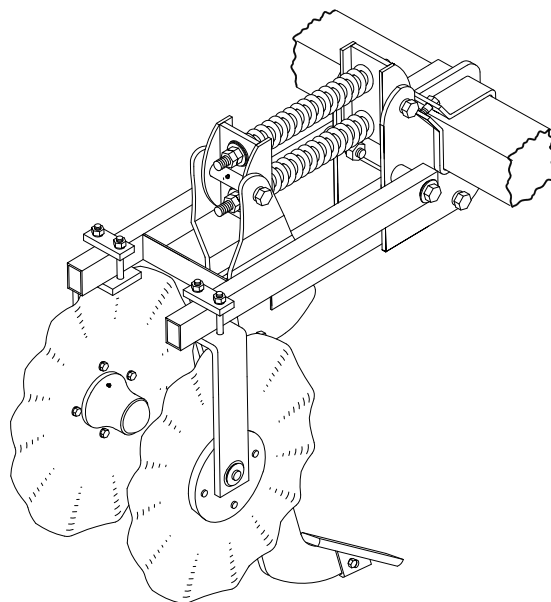


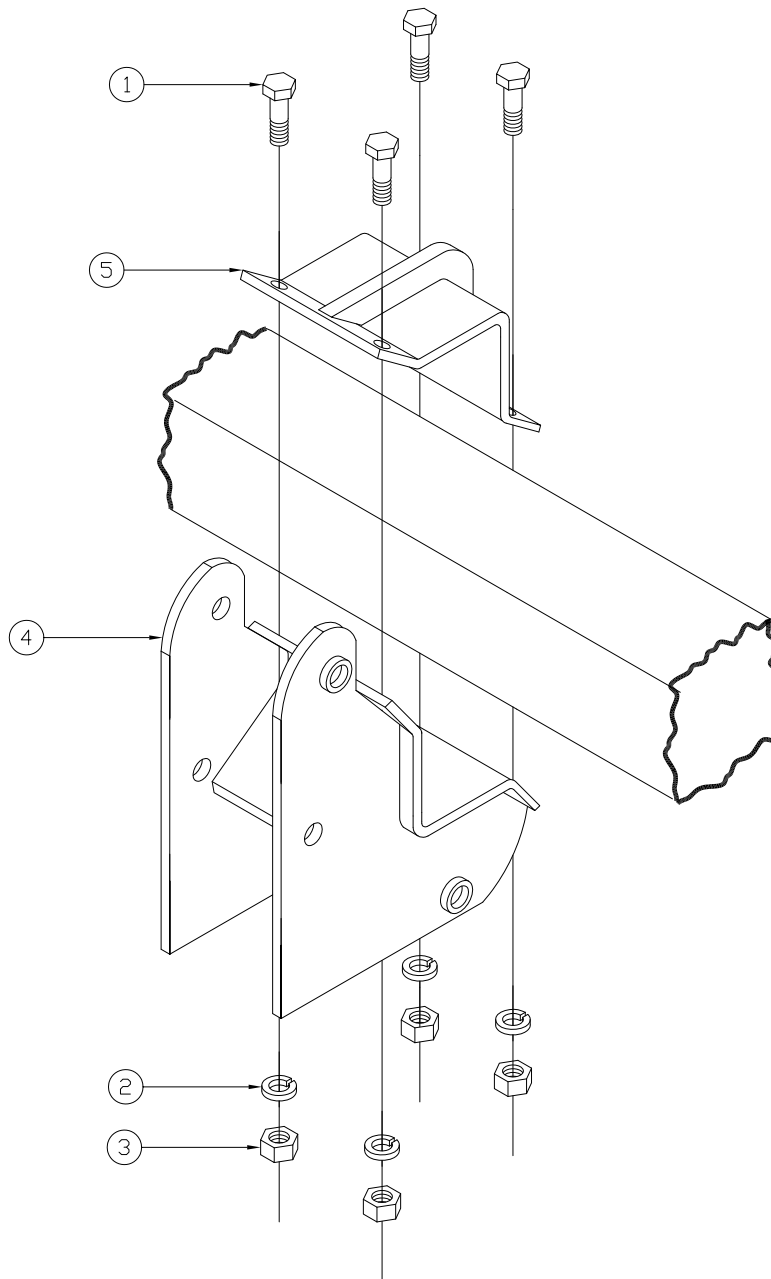


*PROGRESSIVE
FARM PRODUCTS, INC.*

OPERATOR'S MANUAL
RIPPER SHANK
ROW UNIT



COME VISIT US ON THE WEB AT: www.progressivefarm.com



**PROGRESSIVE
FARM PRODUCTS**

ASSEMBLY DESCRIPTION:

ASSEMBLING THE SPRING PLATE CLAMP AND
THE TOOLBAR CLAMP TO THE TOOLBAR.

REFERENCE#
RSA01

SHEET#
1 OF 9

ITEM	QTY	DESCRIPTION	PART#
1	4	3/4-10 X 3" PLT. - GR.5	101173
2	4	3/4" LOCKWASHER PLT.	101224
3	4	3/4-10 HEX NUT PLT.	101215
4	1	SPRING PLATE CLAMP WELDMENT	801847
5	1	SADDLE CLAMP WELDMENT	801859



PROGRESSIVE FARM PRODUCTS

ASSEMBLY DESCRIPTION:

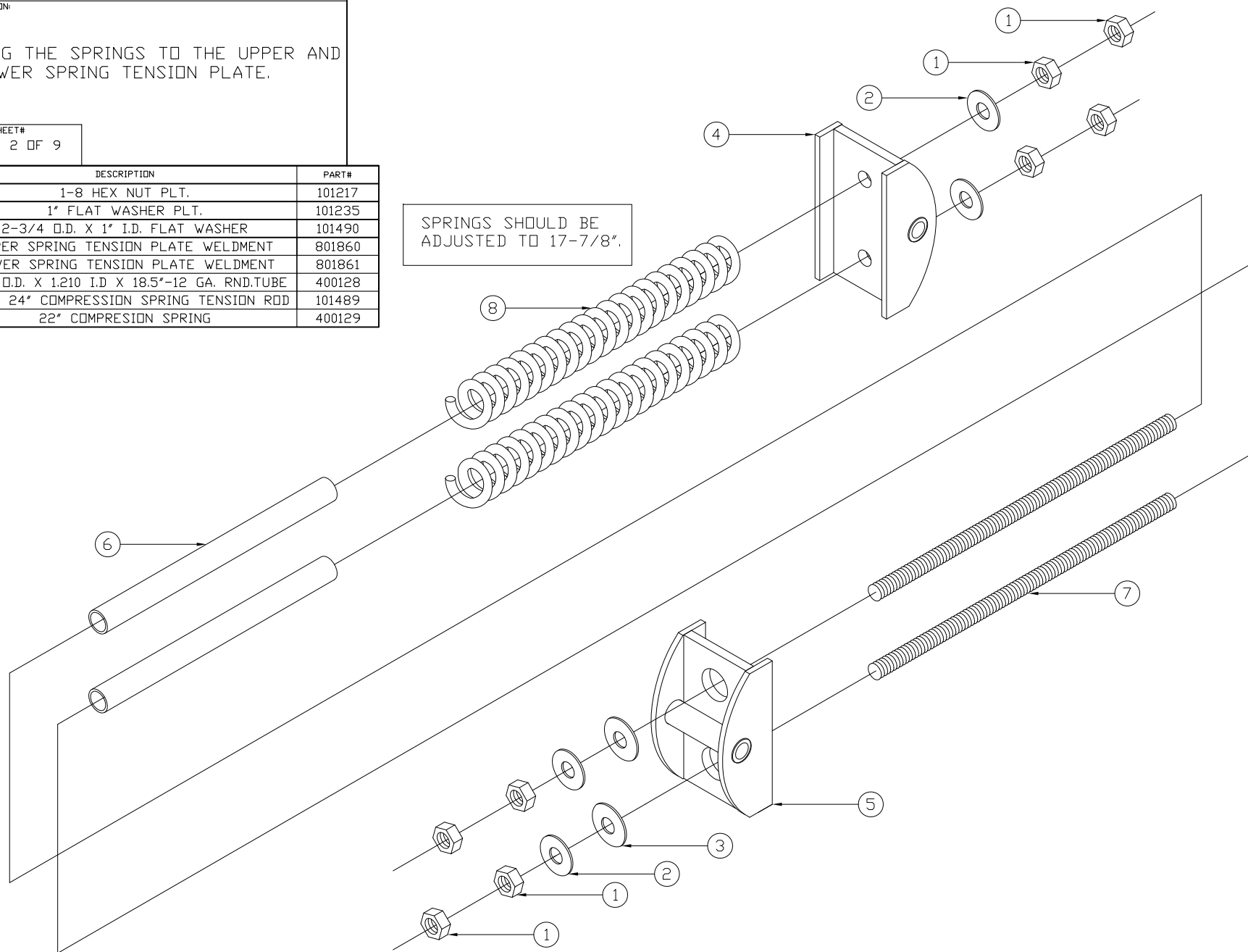
ASSEMBLING THE SPRINGS TO THE UPPER AND
LOWER SPRING TENSION PLATE.

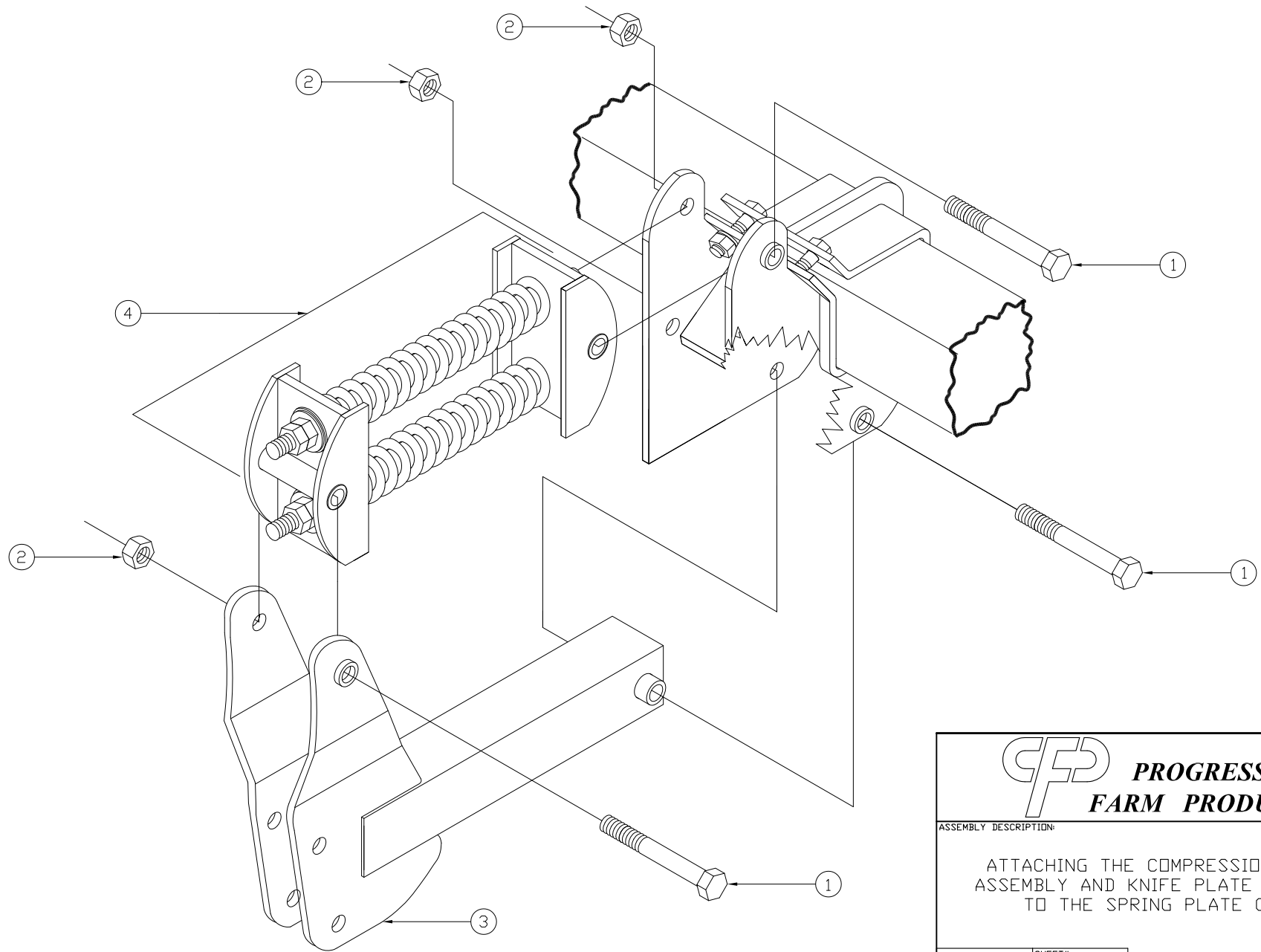
REFERENCE#
RSA02

SHEET#
2 OF 9

ITEM	QTY	DESCRIPTION	PART#
1	8	1-8 HEX NUT PLT.	101217
2	4	1" FLAT WASHER PLT.	101235
3	2	2-3/4 O.D. X 1" I.D. FLAT WASHER	101490
4	1	UPPER SPRING TENSION PLATE WELDMENT	801860
5	1	LOWER SPRING TENSION PLATE WELDMENT	801861
6	2	1.500 O.D. X 1.210 I.D X 18.5"-12 GA. RND.TUBE	400128
7	2	1-8 X 24" COMPRESSION SPRING TENSION ROD	101489
8	2	22" COMPRESION SPRING	400129

SPRINGS SHOULD BE
ADJUSTED TO 17-7/8".





**PROGRESSIVE
FARM PRODUCTS**

ASSEMBLY DESCRIPTION:

ATTACHING THE COMPRESSION SPRING
ASSEMBLY AND KNIFE PLATE WELDMENT
TO THE SPRING PLATE CLAMP

REFERENCE#
RSA01

SHEET#
3 OF 9

ITEM	QTY	DESCRIPTION	PART#
1	3	1-8 X 9" - PLT. GR5	101205
2	3	1-8 TOPLOCK NUT PLT.	101461
3	1	KNIFE ARM WELDMENT	801862
4	1	COMPRESSION SPRING ASSEMBLY	900813



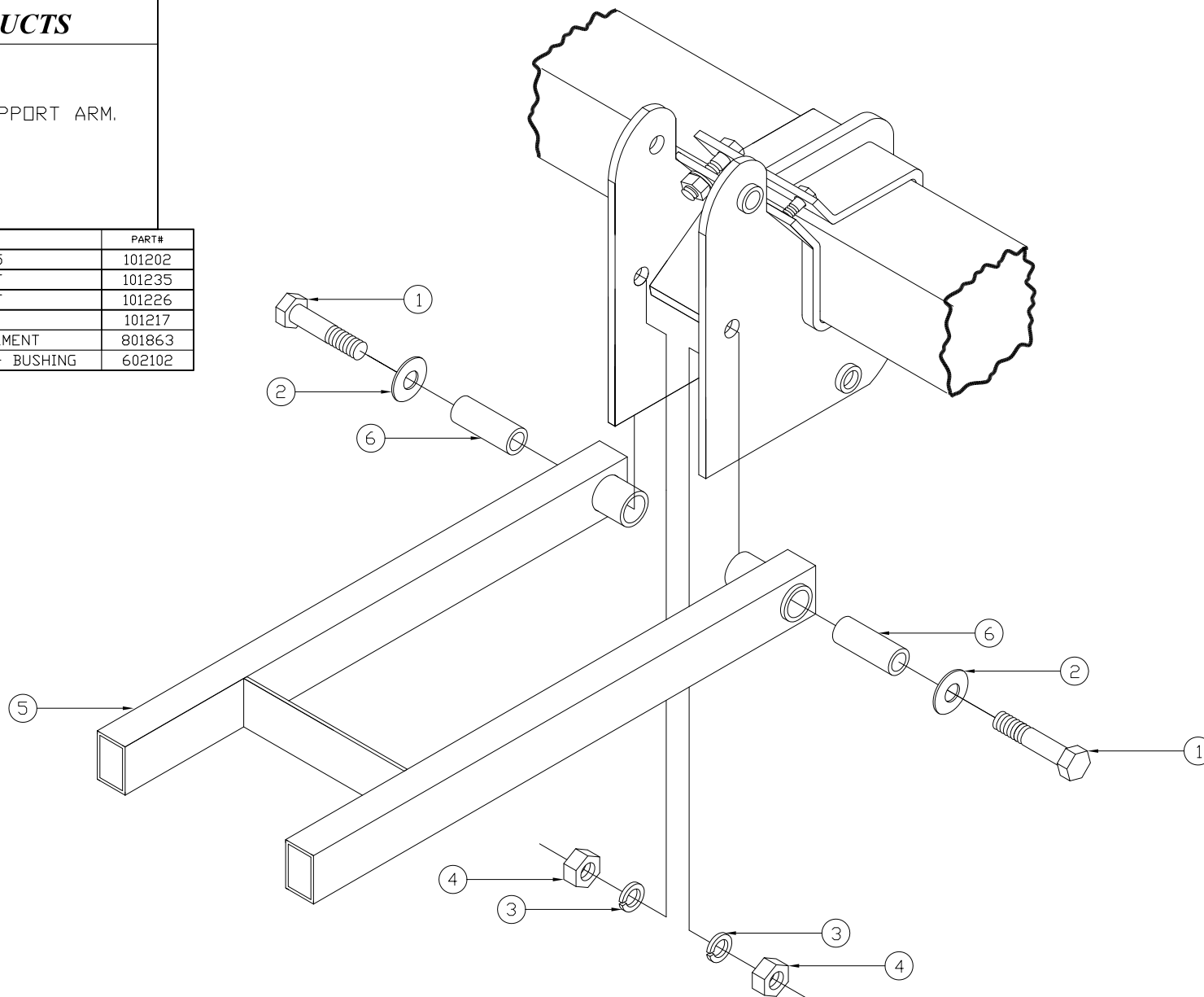
**PROGRESSIVE
FARM PRODUCTS**

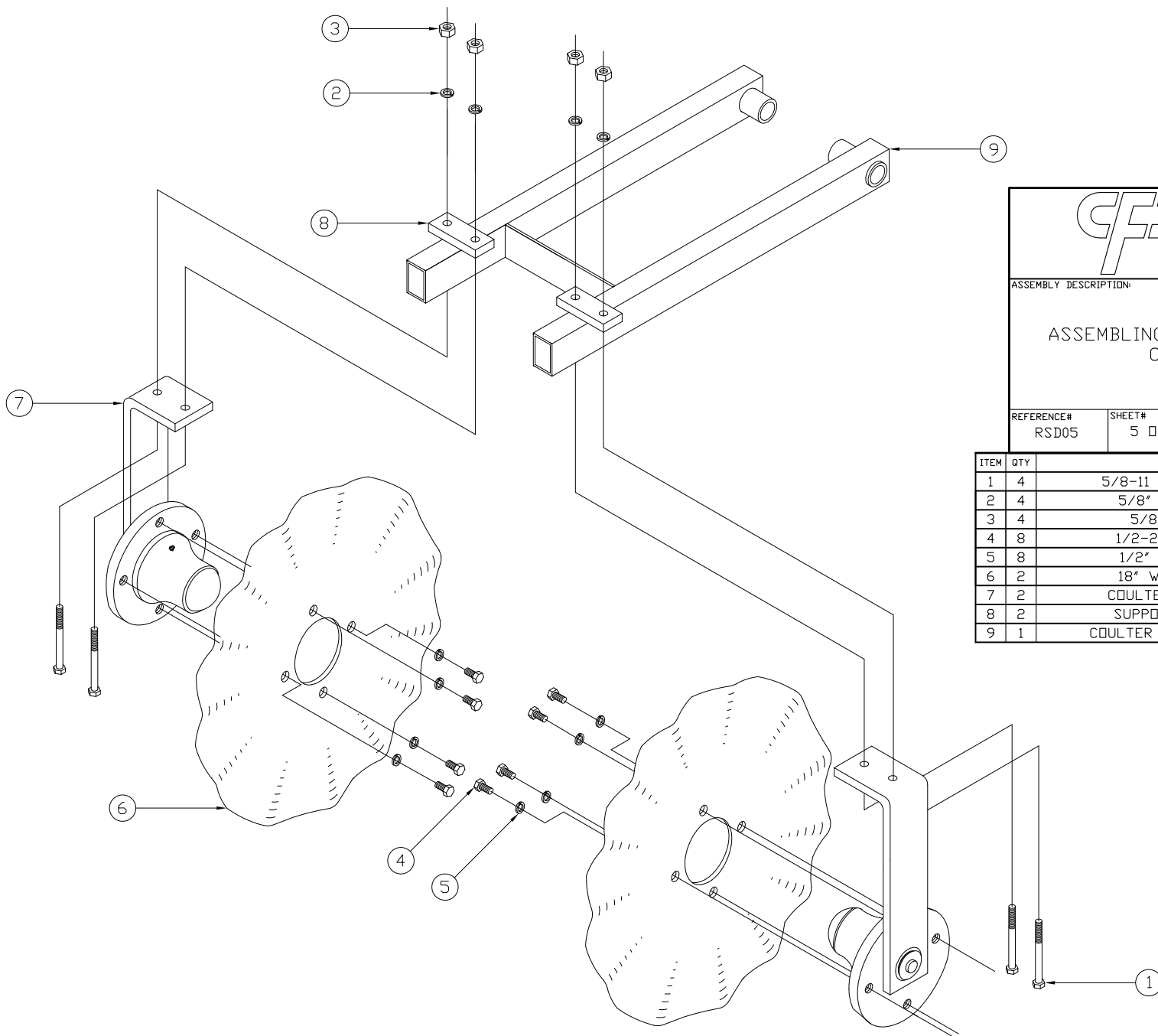
ASSEMBLY DESCRIPTION:

ATTACHING THE COULTER SUPPORT ARM.

REFERENCE#	SHEET#
RSA04	4 OF 9

ITEM	QTY	DESCRIPTION	PART#
1	2	1-8 X 6" - PLT. - GR5	101202
2	2	1" FLAT WASHER - PLT	101235
3	2	1" LOCK WASHER - PLT	101226
4	2	1-8 HEX NUT - PLT	101217
5	1	COULTER SUPPORT ARM WELMENT	801863
6	2	1.500 O.D. X 1.024 I.D. X 4.500" - BUSHING	602102





**PROGRESSIVE
FARM PRODUCTS**

ASSEMBLY DESCRIPTION:

ASSEMBLING AND ATTACHING THE WAVY
COULTER HUB ARMS.

REFERENCE#
RSD05

SHEET#
5 OF 9

ITEM	QTY	DESCRIPTION	PART#
1	4	5/8-11 X 5-1/2" - PLT - GR5	101167
2	4	5/8" LOCK WASHER - PLT	101223
3	4	5/8-11 HEX NUT - PLT	101214
4	8	1/2-20 X 1-1/4" WHIZBOLT	301193
5	8	1/2" LOCK WASHER - PLT	101222
6	2	18" WAVY COULTER BLADE	400102
7	2	COULTER HUB ARM WELDMENT	801863
8	2	SUPPORT ARM CLAMP PLATE	400250
9	1	COULTER SUPPORT ARM WELDMENT	801862



PROGRESSIVE FARM PRODUCTS

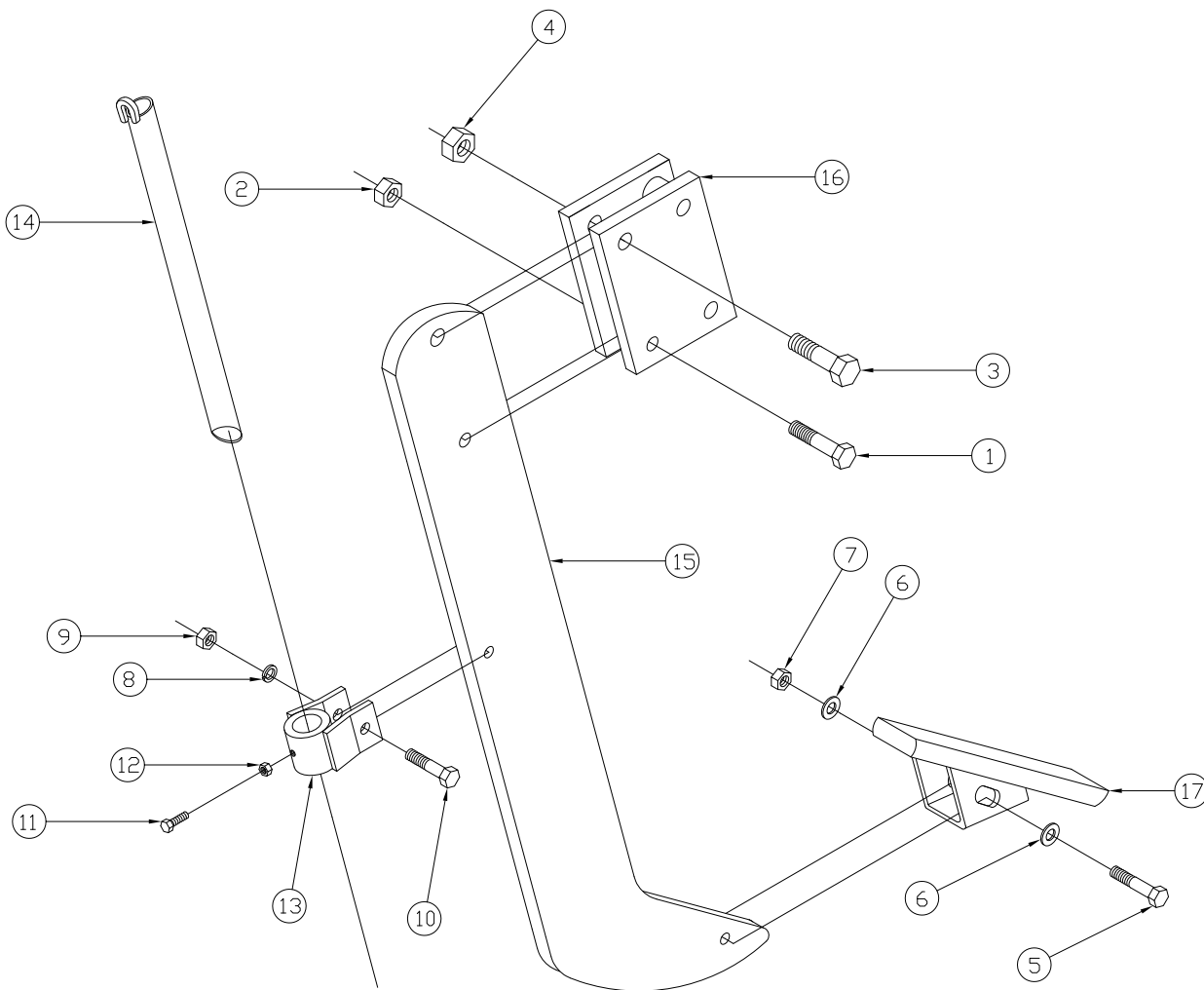
ASSEMBLY DESCRIPTION:

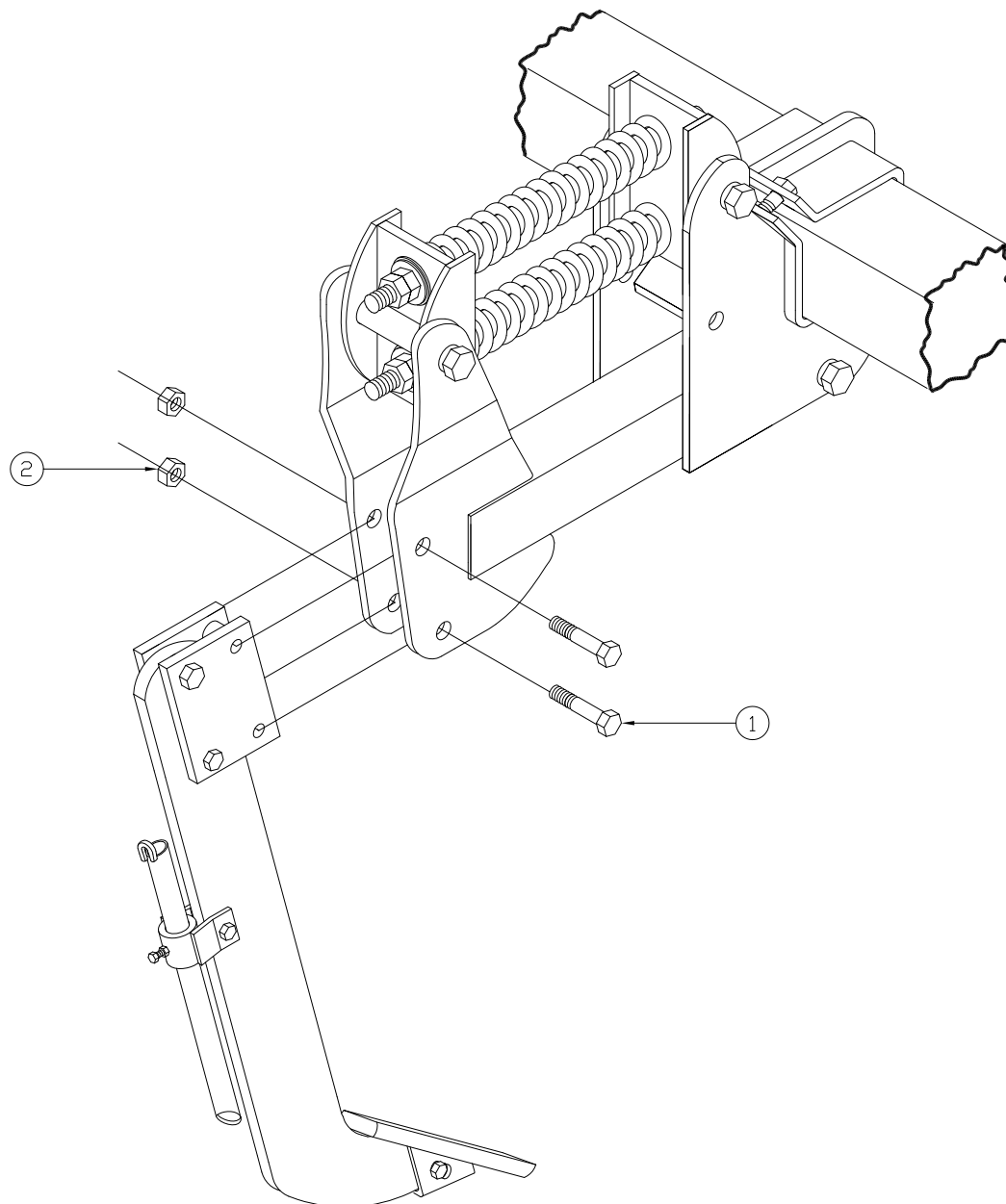
ASSEMBLING THE RIPPER SHANK KNIFE.

REFERENCE#
RSA06

SHEET#
6 OF 9

ITEM	QTY	DESCRIPTION	PART#
1	1	5/8-11 X 3-1/2" HEX BOLT - PLT - GR5	101163
2	1	5/8-11 TOPLOCK NUT PLT.	101458
3	1	3/4-10 X 3-1/2" HEX BOLT - PLT - GR5	101174
4	1	3/4-10 TOPLOCK NUT PLT.	101459
5	1	1/2-13 X 2-1/2" HEX BOLT - PLT - GR5	101150
6	2	1/2" FLAT WASHER - PLT	101213
7	1	1/2" REVERSE LOCKNUT - PLT	101491
8	1	1/2" LOCK WASHER - PLT	101222
9	1	1/2-13 HEX NUT - PLT	101213
10	1	1/2-13 X 1-1/2" HEX BOLT - PLT - GR5	101148
11	1	5/16-18 X 1" HEX BOLT - PLT - GR5	101114
12	1	5/16-18 HEX NUT - PLT	101210
13	1	INJECTION TUBE BRACKET WELDMNT	801866
14	1	INJECTION TUBE WELDMNT	801865
15	1	RIPPER SHANK KNIFE	400252
16	1	KNIFE PLATE WELDMNT	801867
17	1	RIPPER SHANK KNIFE POINT	400251





**PROGRESSIVE
FARM PRODUCTS**

ASSEMBLY DESCRIPTION:

ATTACHING THE RIPPER SHANK KNIFE
ASSEMBLY.

REFERENCE#
RSA07

SHEET#
7 OF 9

ITEM	QTY	DESCRIPTION	PART#
1	2	3/4-10 X 4-1/2" HEX BOLT - PLT - GR5	101176
2	2	3/4-10 TOPLOCK NUT - PLT.	101459



**PROGRESSIVE
FARM PRODUCTS**

ASSEMBLY DESCRIPTION:

HEAVY DUTY 4 BOLT
COULTER HUB ASSEMBLY

REFERENCE#
RSA08

SHEET#
8 OF 9

ITEM	QTY	DESCRIPTION	PART#
1	1	SEAL - CR. 14975	301183
2	1	BEARING CONE - LM 67048	301132
3	1	BEARING CUP - LM 67010	301134
4	1	BEARING CUP - LM 11910	301184
5	1	BEARING CONE - LM 11949	301185
6	1	HUB - 4 BOLT W/ 5" BOLT CIRCLE	301182
7	1	THRUST WASHER - 1-1/2" O.D. X 13/16" I.D.	301142
8	1	COTTER PIN - 5/32 X 1-3/4"	301152
9	1	CASTELLATED NUT - 3/4-16 UNF.	301153
10	1	SPINDLE - Ø1-5/8 X 1-1/4"	301251
11	1	RAISED DUST CAP	301250

