

**INTRODUCTION:** This instruction sheet covers the installation of the Wheel Drive Hand Control for the Steiner 440 tractor.

**ASSEMBLY INSTRUCTIONS:**

1. Cut along lines of template **11** with a scissors. Align cut edges with bottom and inside edge of the battery box. Center punch on the center line marks of the three holes. Drill the top two holes to  $\text{Ø}.344$  (11/32). Drill the bottom hole to  $\text{Ø}.390$  (25/64). (**Figure 1**)
2. Mount the Hand Control Forward/Reverse Bracket **4** with one bolt **21** from, one lockwasher **15**, and one nut **17** on the bottom hole from the inside out. On the top holes install two bolts **23** and two nuts **28** from the outside in. (**Figure 2**)
3. On the inside of the mounting bracket install the two bearings **1** using four bolts **23** and four washers **15**. (**Figure 3**)
4. Attach the Hand Control Lever **6** and two set collars **12**. Insert the lever from the right side and slide the two set collars on in between the bearings as shown. (**Figure 4**)

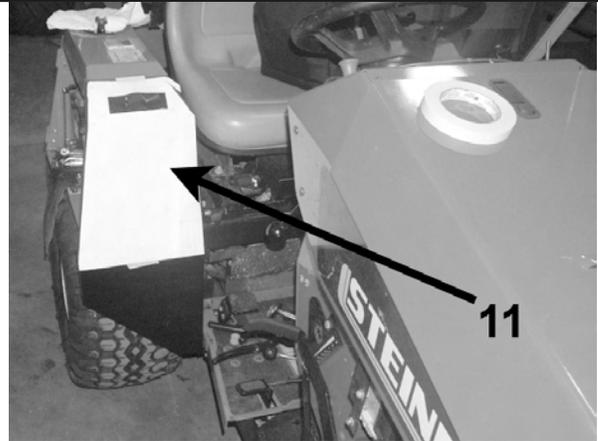


Figure 1

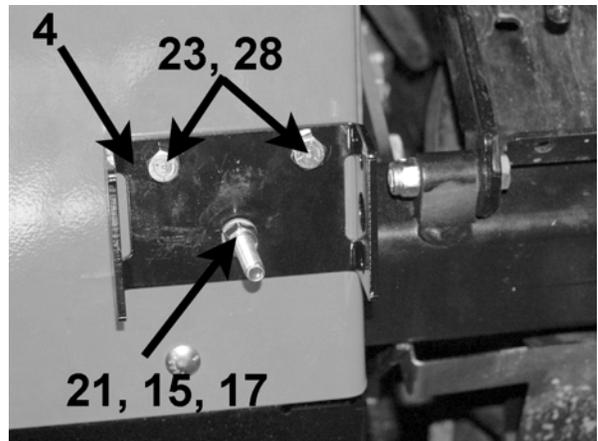


Figure 2

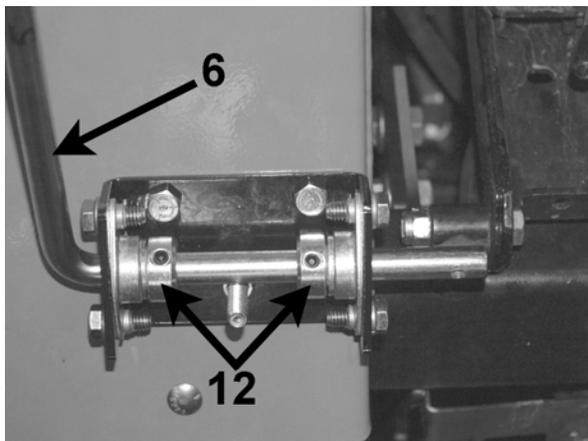


Figure 4

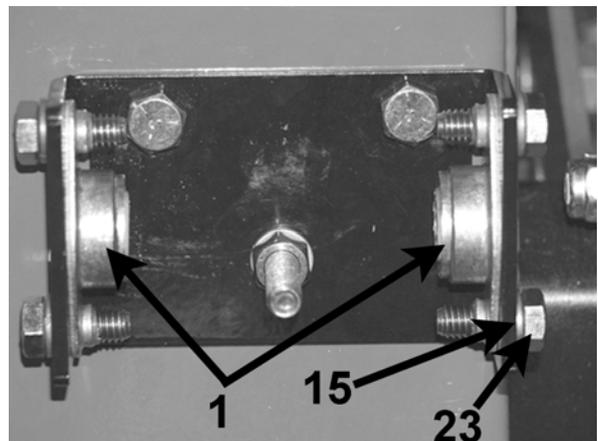
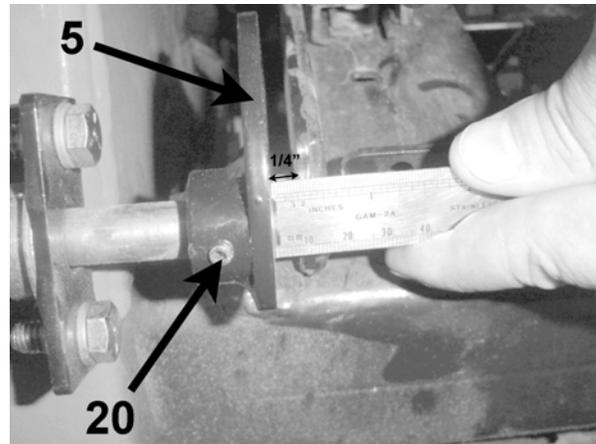


Figure 3

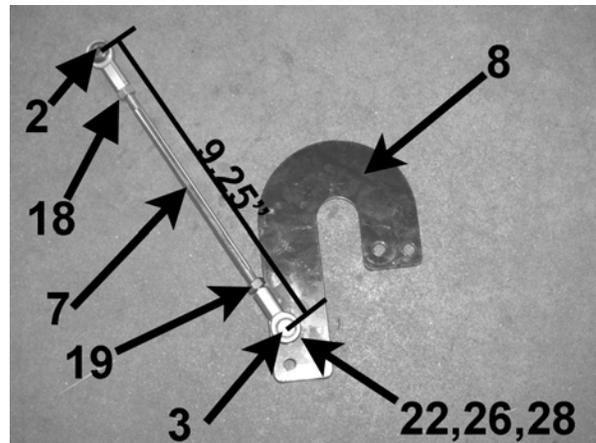
**ASSEMBLY INSTRUCTIONS (continued):**

5. Slide the Hand Control Lever Weldment **5** onto the Hand Control Lever and secure with Roll Pin **20**. Slide the lever until there is approximately 1/4" from the lever to the inside of the seat mounting bracket. Slide the set collars up against the bearings on the inside to keep the shaft from sliding back and forth. Tighten set screws. **(Figure 5)**



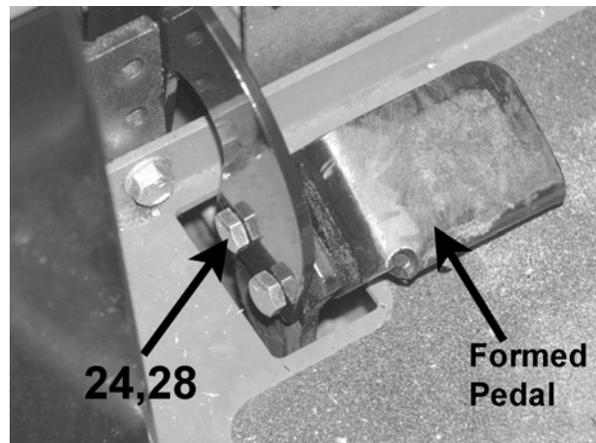
**Figure 5**

6. Assemble nut **18** and rod end **2** on one end of rod **7**. Install LH nut **19** and LH rod end **3** on other end of rod **7**. Tighten lock nuts with the rod ends parallel to each other approximately 9.25" apart from center of rod end. Assemble one end onto the Hand Control Flat **8** using one bolt **22**, one washer **26**, and one nut **28**. Use the top hole on Hand Control Flat if the foot plate is in the lowest position. Use the bottom hole if foot plate is in the middle position. **(Figure 6)**



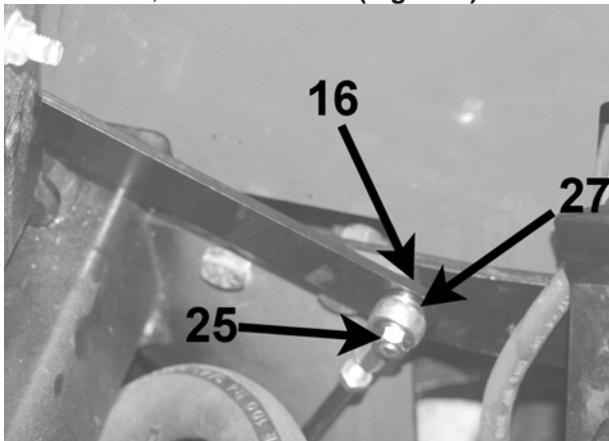
**Figure 6**

7. Remove the formed pedal on the forward/reverse pedal. Attach the Hand Control Pedal assembly from Step 5 using two bolts **24** and two nuts **28**. Note the formed pedal that was removed can be installed on the inside of pedal if desired. **(Figure 7)**



**Figure 7**

8. Connect the other end of the rod assembly to the lever of the hand control using one bolt **16**, one washer **27**, and one nut **25**. **(Figure 8)**



**Figure 8**

9. Install the Hand Control Cover **10** using one acorn nut **29**.

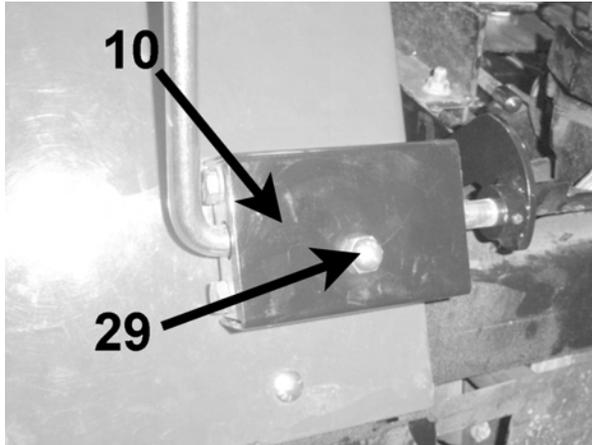


Figure 9

10. Install nut **14** and knob **13** on handle and lock with nut.

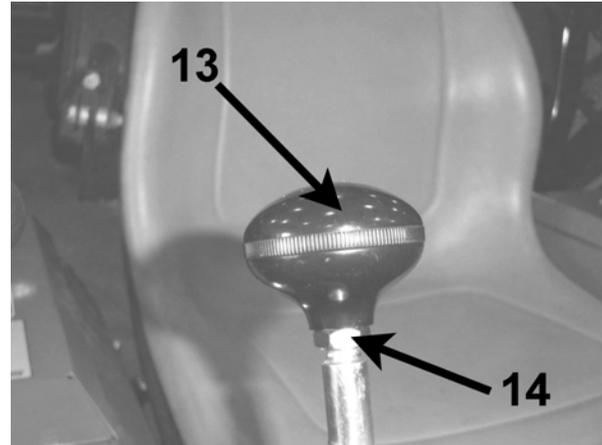


Figure 10

KIT PARTS LIST			
ITEM	PART NO.	DESCRIPTION	QTY
1	2308080	BEARING-SELF ALIGN	2
2	4143595-01	ROD END-FEMALE 5/16-24	1
3	4143595-02	ROD END-FEMALE 5/16-24 LH	1
4	4167233.7	BRKT-MTG FW-REV HAND CTRL	1
5	4167236.7	WLDMT-LEVER HAND CTRL	1
6	4167251	LEVER-FW-REV HAND CTRL	1
7	4167254	ROD-5/16-24 LH/RH X 7.50	1
8	4167807.7	FLAT-PEDAL HAND CONTROL	1
9	4167926	I.S.-HAND CONTROL	1
10	4167963.7	COVER-HAND CONTROL	1
11	4167986	TEMPLATE-HAND CTRL MTG	1
12	43067A	COLLAR SET	2
13	47-003	KNOB LARGE	1
14	64001-6	NUT-HEX JAM 3/8-16	1
15	64006-02	LOCKWSHR-5/16 HELICAL	5
16	64018-15	BLT-CRG 5/16-18X1	1
17	64025-02	NUT-HEX 5/16-18	1
18	64025-03	NUT-HEX 5/16-24	1
19	64025-33	NUT-HEX 5/16-24 LH	1
20	64061-42	ROLL PIN-3/16 X 1.00	1
21	64123-145	BLT-HEX 5/16-18X1-3/4	1
22	64123-47	BLT-HEX 5/16-18X1-1/4	1
23	64123-54	BLT-HEX 5/16-18X3/4	6
24	64123-68	BLT-HEX 5/16-18X1	2
25	64151-15	NUT-HEX 5/16-18 CTR LOCK	1
26	64163-02	WSHR .321/.328X.593/.608X11GA	1
27	64163-55	WSHR .328X.75X14 GA	1
28	64229-02	NUT-NYLON LOCK 5/16-18	5
29	64276-02	NUT-ACORN 5/16-18	1