



SENSOR PLUS™ End Control Installation

for

MODEL C2® Plus End Control Part No. 42680

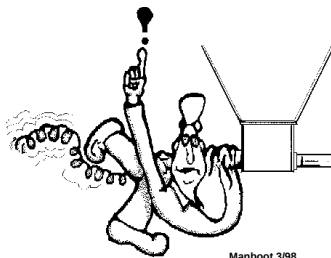
MODEL C2® Plus Shallow End Control Part No. 44880

MODEL G™ Plus End Control Part No. 42597

MODEL G™ Plus Shallow End Control Part No. 42028

MODEL H2™ Plus Green End Control Part No. 45917

MODEL H2™ Plus Silver End Control Part No. 45916

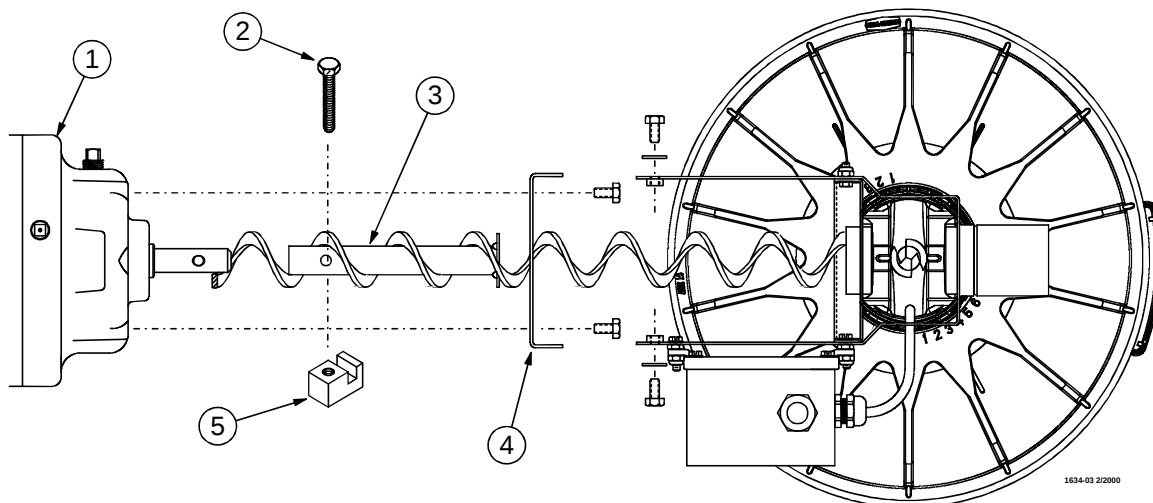


Manboot 3/98

**BE CAREFUL WHEN
WORKING WITH THE
AUGER!**



Parts Layout



Item	Description	Part No.
1	Gearhead	—
2	Anchor Bolt	2919
3	Drive Tube Weldment	44794
4	Anchor Plate	4188
5	Anchor Block	4642

Installation

1. Assemble the Anchor Plate (item 2) to the Gearhead (item 1) using the included Hardware (item 3), as shown in Figure 1.

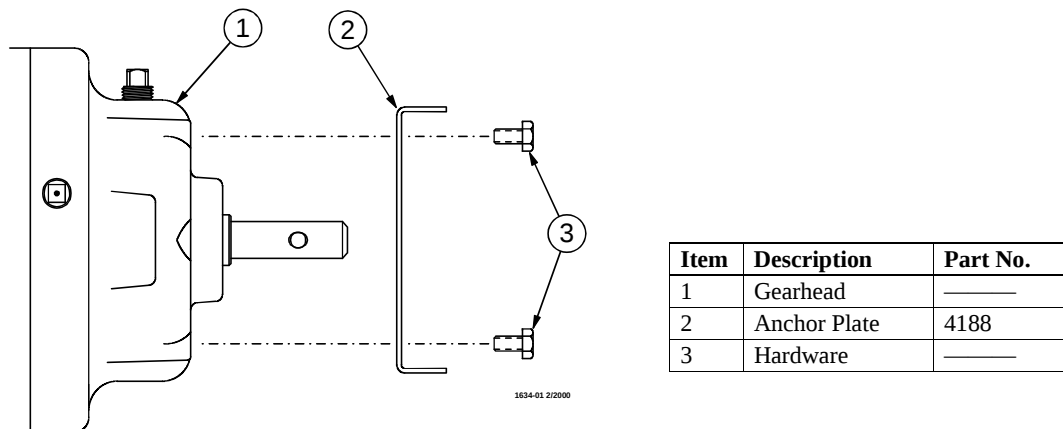


Figure 1. Gearhead to Anchor Plate Assembly

2. With the End Control installed on the Auger Tube, stretch the Auger (item 4) to the correct length. See Feeder Installation Manual.

Caution: Be careful when working with the Auger.

Screw the Drive Tube Weldment (item 3) in the Auger (item 4). Slide the Gearhead Output Shaft (item 2) in the Drive Tube Weldment (item 3) and Auger (item 4).

Align the hole in the Drive Tube Weldment (item 3) and the Gearhead Output Shaft (item 2) and assemble with the Anchor Block (item 5) and the Anchor Bolt (item 1).

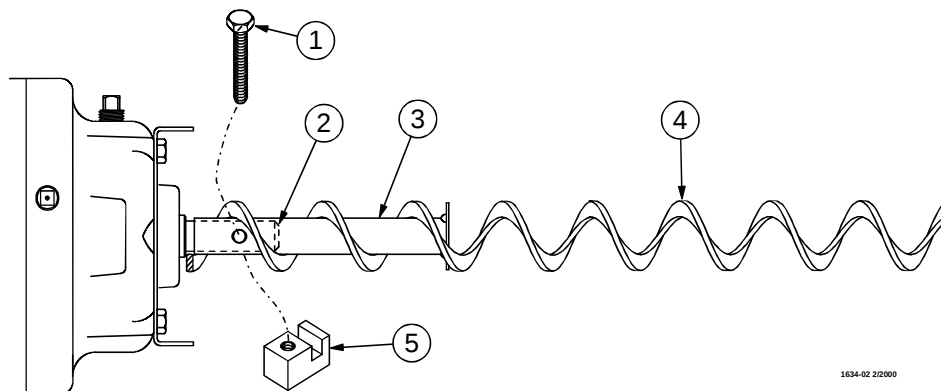
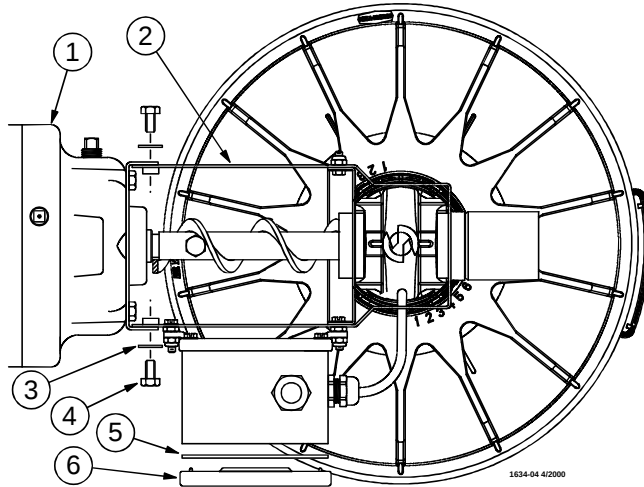


Figure 2. Assembling the Gearhead to the Drive Tube Weldment and Auger

Item	Description	Part No.
1	Anchor Bolt	2919
2	Gearhead Output Shaft	_____
3	Drive Tube Weldment	44794
4	Auger	_____
5	Anchor Block	4642

3. Install the Gearhead and Anchor Plate (item 1) to the Control Body (item 2) with the included Lock Washers (item 3) and 1/4-20 x 1/2 Hex Head Cap Screws (item 4).



Item	Description	Part No.
1	Anchor Plate and Gearhead Assembly	—
2	Control Body	42080
3	Lock Washer	1667
4	1/4-20 x 1/2 Hex Head Cap Screw	1487
5	Gasket	6777
6	Switch Box Cover	6776

Figure 3. Assembling the Gearhead to the Control Body

4. Install the Metal Water Tight Connector (item 1) in the Feed Line Motor (item 2). Cut the Flex Conduit (item 3) to length. Slide the wires from the end control through the Flex Conduit (item 3). Install the Flex Conduit (item 3) in the connectors. Connect the wires to the Feed Line Motor (item 2).

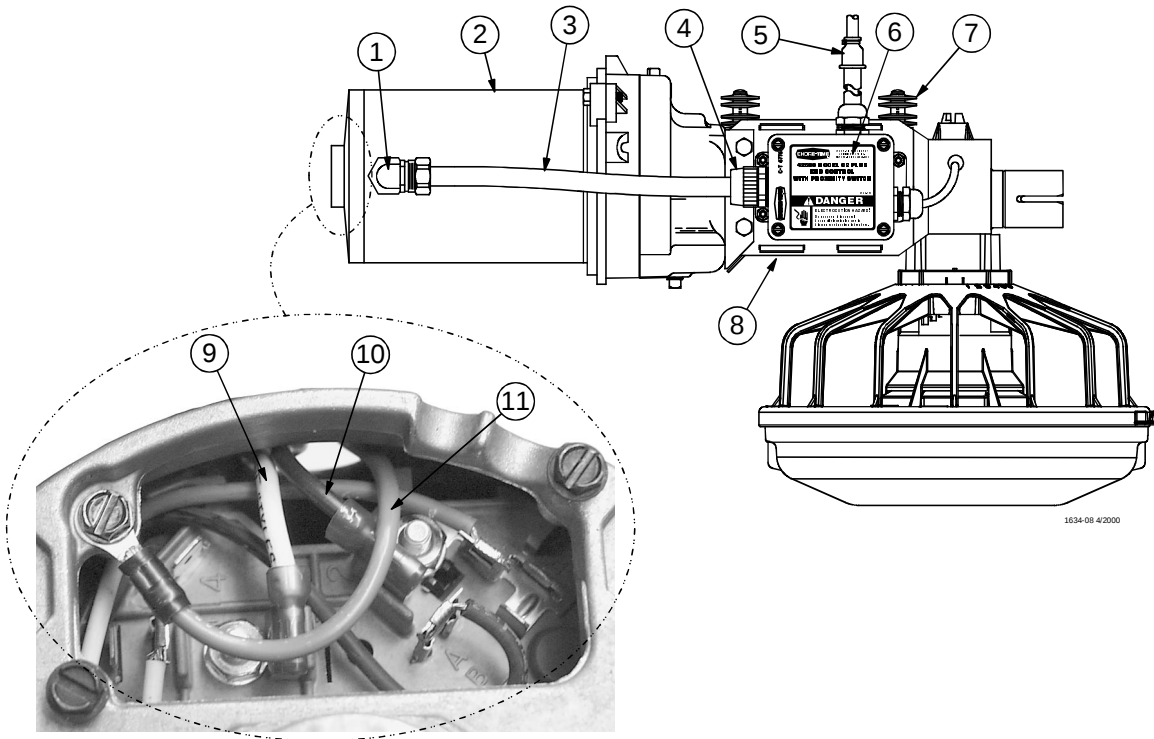


Figure 4. Wiring the Motor

Item	Description	Part No.
1	Metal Water Tight Connector	23810
2	Feed Line Motor	—
3	Flexible Conduit	26982-1
4	Water Tight Connector	26980
5	Cord Assembly	4999-100
6	Product Identification Decal	2529-710

Item	Description	Part No.
7	Top Cover with Insulators	42082
8	Bottom Cover	42085
9	White Wire	—
10	Black Wire	—
11	Green Wire	—

Switch Adjustment

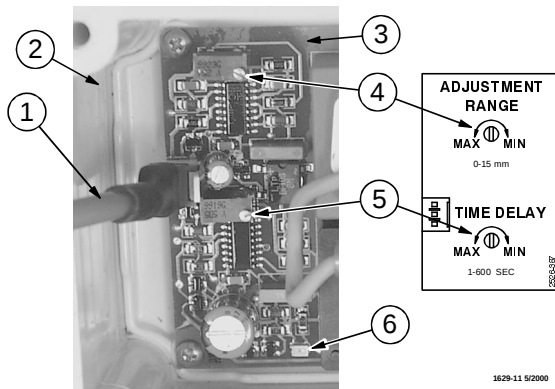
The SENSOR PLUS Pan Half Round Sensor Switch is adjusted at the factory to a sensitivity of .25" [6 mm] and a time delay of 15 seconds, but they may be changed for a specific installation. The sensitivity adjustment range is 0" to .80" [0 mm to 15 mm] and the time delay adjustment is 0 seconds to 600 seconds.

To adjust the Sensitivity:

- For less sensitivity — turn Sensitivity Adjusting Screw (item 4) clockwise
- For more sensitivity — turn Sensitivity Adjusting Screw (item 4) counter-clockwise

To adjust the Time Delay:

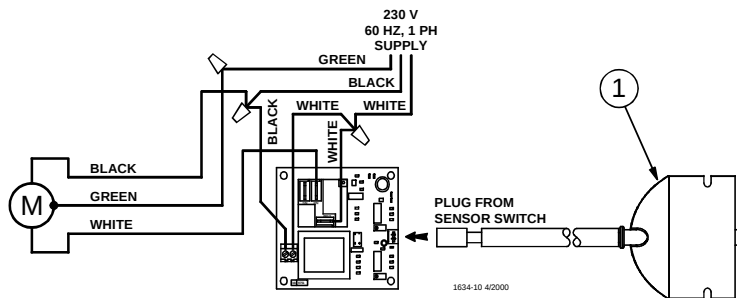
- For less time — turn Time Delay Adjusting Screw (item 5) clockwise (Light blinks fast)
- For more time — turn Time Delay Adjusting Screw (item 5) counter-clockwise (Light blinks slow)



Item	Description	Part No.
1	Proximity Switch Cord	—
2	Switch Box	42627-3
3	Circuit Board	42078
4	Sensitivity Adjusting Screw	—
5	Time Delay Adjusting Screw	—
6	Light	—
—	Proximity Sensor Switch and Circuit Board	44915
—	Pan Half Round Sensor	37078

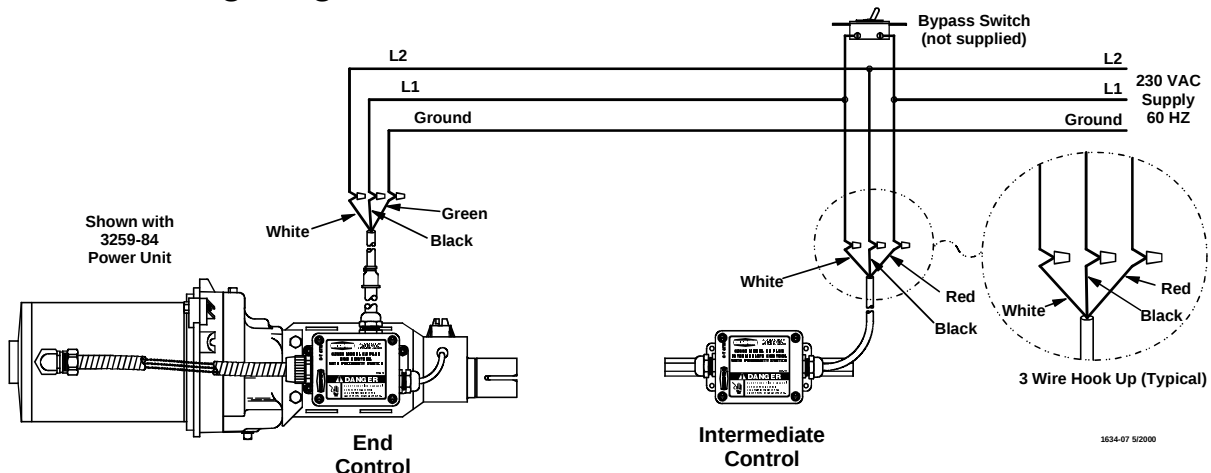
Figure 2. Adjusting the SENSOR PLUS Proximity Switch

Internal Wiring



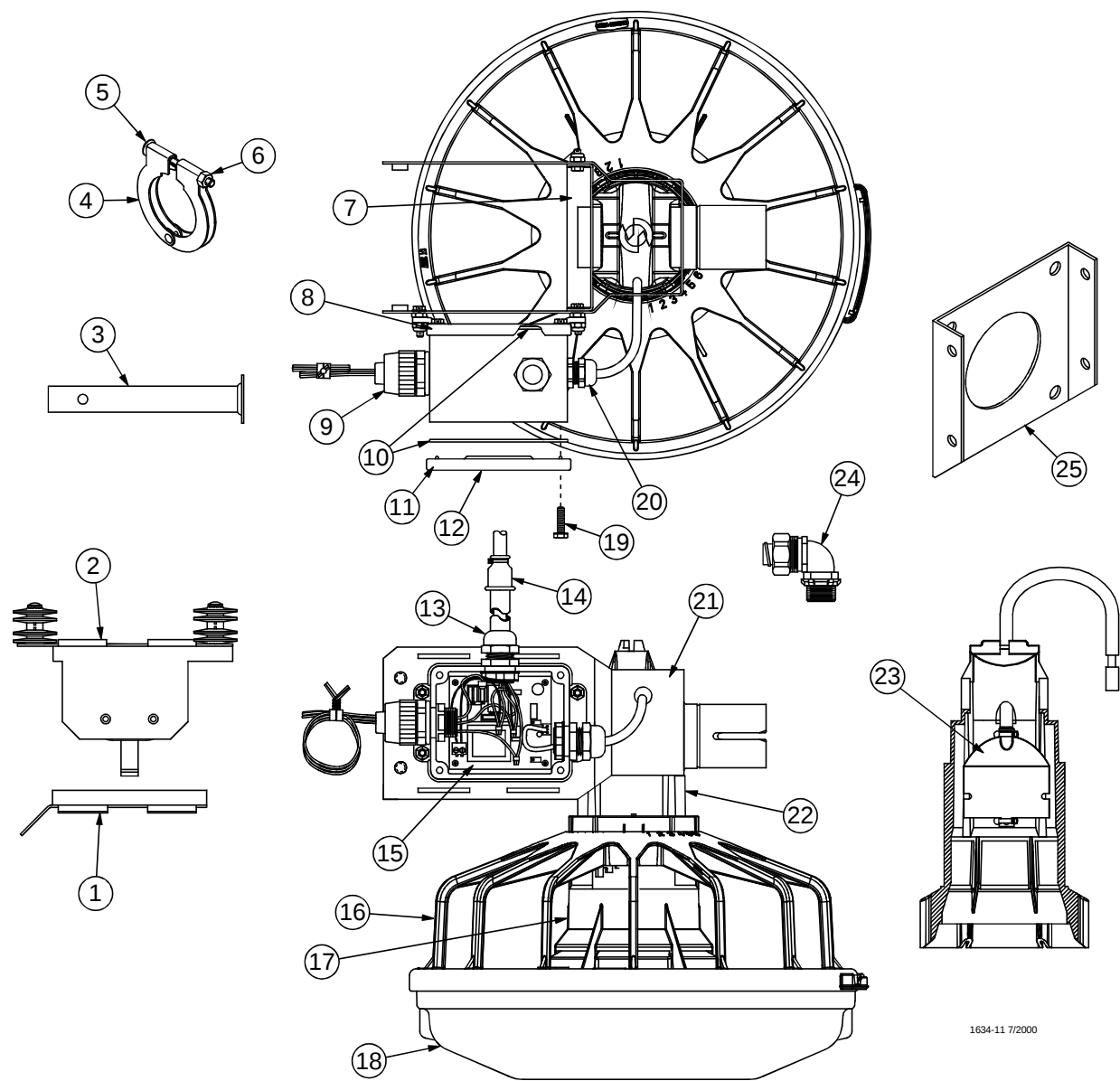
Item	Description	Part No.
1	Pan Half Round Sensor	37078

Control Wiring Diagram



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SENSOR PLUS End Control Parts List



Item	Description	C2 Plus Part No. 42680	C2 Plus Shallow Part No. 44880	G Plus Part No. 42597	G Plus Shallow Part No. 42028	H2 Plus Green Part No. 45917	H2 Plus Silver Part No. 45916
1	Bottom Cover	42085	42085	42085	42085	42085	42085
2	Top Cover with Insulators	42082	42082	42082	42082	42082	42082
3	Drive Tube Weldment	44794	44794	44794	44794	44794	44794
4	Tube Clamp Assembly	24062	24062	24062	24062	24062	24062
5	1/4-20 x 2-1/2 Carriage Bolt	7550-3	7550-3	7550-3	7550-3	7550-3	7550-3
6	1/4-20 Serrated Flange Hex Nut	24208	24208	24208	24208	24208	24208
7	Support Bracket	42081	42081	42081	42081	42081	42081
8	Terminal Box Mounting Cover	6956	6956	6956	6956	6956	6956
9	Straight Liquid Tight Connector	26980	26980	26980	26980	26980	26980
10	Switch Box Gasket	6777	6777	6777	6777	6777	6777
11	Switch Box Cover	6776	6776	6776	6776	6776	6776
12	Danger/Product Identification Decal	2529-710	2529-731	2529-709	2529-729	2529-741	2529-740
13	Liquid Tight Connector	24685	24685	24685	24685	24685	24685
14	Cord Assembly	4999-100	4999-100	4999-100	4999-100	4999-100	4999-100
15	Pan Sensor Circuit Board	42078	42078	42078	42078	42078	42078
16	Grill	39567	39567	38599	38599	————	————
17	Adjustment Cone	38604	41504	38604	41504	38914-2	38914-1
18	Feeder Pan	41501	41500	41501	41500	24901	24901
19	#10 x 1/2 Hex Washer Head Screw	28075	28075	28075	28075	28075	28075
20	Liquid Tight Connector	23779	23779	23779	23779	23779	23779
21	Control Body Weldment	42080	42080	42080	42080	42080	42080
22	Support Cone	37077	44884	37077	44884	45920	45920
23	Pan Half Round Sensor	37078	37078	37078	37078	37078	37078
24	Liquid Tight Connector	23810	23810	23810	23810	23810	23810
25	Anchor Plate	4188	4188	4188	4188	4188	4188



**Made to work.
Built to last.**

Revisions to this Manual

Page No.	Description of Change
	Added information throughout the manual, added parts listing

Contact your nearby Chore-Time distributor or representative for additional parts and information.

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