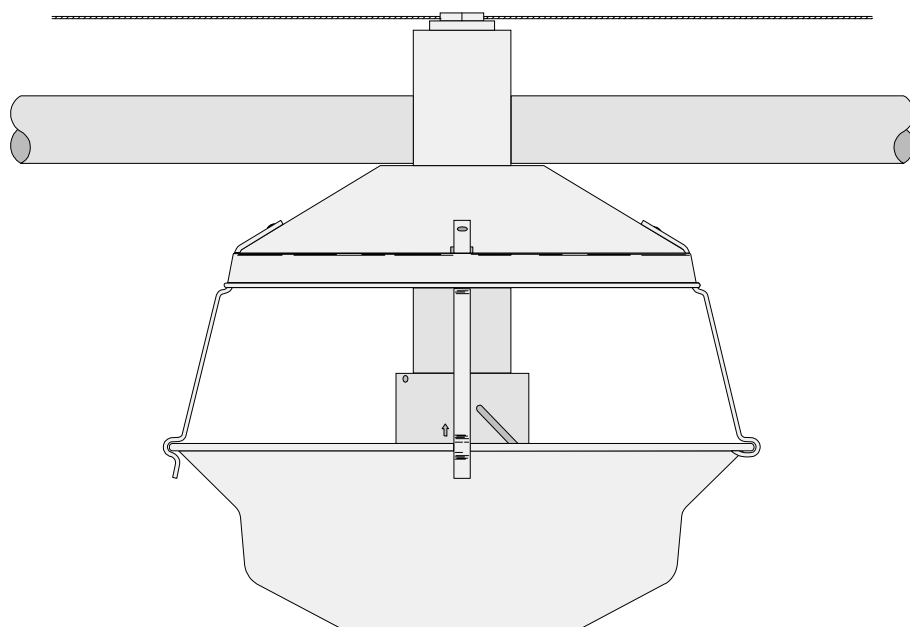


Adult Turkey Feeder

Installation Manual



• *Adult Turkey Feeder Installation Manual* •


Support Information

The Chore-Time Adult Turkey Feeder is designed to feed turkeys. Using this equipment for any other purpose or in a way not within the operating recommendations specified in this manual will void the warranty and may cause personal injury and/or death.

This manual is designed to provide comprehensive planning, installation, wiring, operation, and parts listing information. The Table of Contents on page 3 provides an convenient overview of the information in this manual. The Table of Contents also specifies which pages contain information for the sales personal, installer, distributor, and consumer (end user).

Chore-Time Equipment recognizes CE Mark and pursues compliance in all applicable products. Fill in the CE-Mark serial number in the blank space provided for future reference.

Please fill in the following information about your Adult Turkey Feeding System. Keep this manual in a clean, dry place for future reference.


(CE-mark serial number)

Distributor's Name _____

Distributor's Address _____

Distributor's Phone _____ **Date of Purchase** _____

Installer's Name _____

Installer's Address _____

Installer's Phone _____ **Date of Installation** _____

System Specifications _____

Feed Delivery System Supplying _____

Chore-Time Equipment, A Division of CTB, Inc.
P.O. Box 2000, Milford, Indiana 46542-2000 U.S.A.
Phone: 219-658-4101 • Fax: 219-658-4133 • E-Mail: ctb@ctbinc.com

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SAFETY INFORMATION

CHORE-TIME is concerned about the safety of it's customers. Caution, Warning and Danger Decals have been placed on the equipment to warn of potentially dangerous situations. Care should be taken to keep this information intact and easy to read at all times. Replace missing or damaged safety signs.

Use the equipment as specified in these instructions. Unreasonable use of the equipment may cause personal injury or damage to the equipment.

Safety-Alert Symbol

This is a safety-alert symbol. When you see this symbol on your equipment, be alert to the potential for personal injury.



Signal Words

Signal words are used in conjunction with the safety-alert symbol to identify the severity of the warning.

DANGERidentifies immediate hazards which **WILL** result in severe personal injury or death.

WARNINGidentifies hazards or unsafe practices which **COULD** result in severe personal injury or death.

CAUTIONidentifies hazards or unsafe practices which **COULD** result in minor personal injury or product or property damage.



DANGER



WARNING

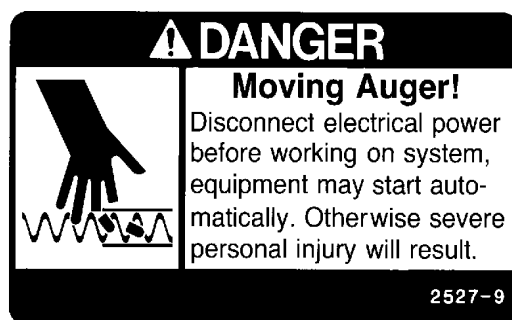


CAUTION

DANGER--MOVING AUGER

This decal is placed on the Clean-Out Cover of the FLEX-AUGER Control Unit.

Severe personal injury will result, if the electrical power is not disconnected, prior to servicing the equipment.



DANGER--ELECTRICAL HAZARD

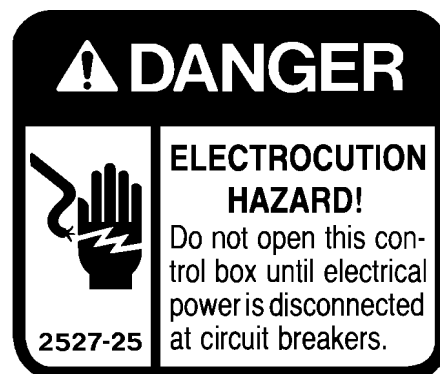
Disconnect electrical power before inspecting or servicing equipment unless maintenance instructions specifically state otherwise.

Ground all electrical equipment for safety.

All electrical wiring must be done by a qualified electrician in accordance with local and national electric codes.

Ground all non-current carrying metal parts to guard against electrical shock.

With the exception of motor overload protection, electrical disconnects and over current protection are not supplied with the equipment.

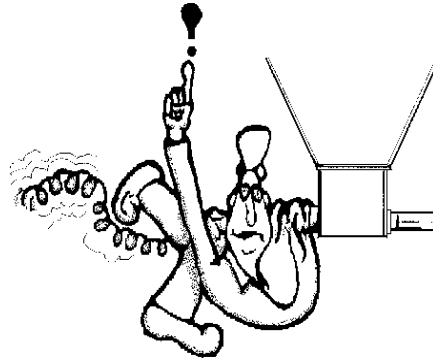


SAFETY INFORMATION



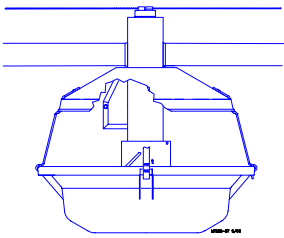
CAUTION

Use caution when working with the Auger--springing auger may cause personal injury.

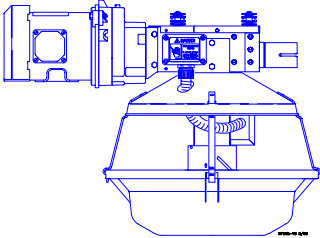


Glossary of Terms

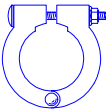
Intermediate Control: ... A feeder, equipped with a switch, (located near the center of the feeder line) used to control the feeding system when partial house brooding.



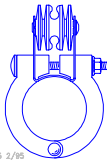
End Control: ... A feeder, equipped with a switch, (located at the power unit), used to control the feeding system.



Clamp: ... A two-piece, riveted strap used to secure 15 auger tubes together.



Anti-Roost Bracket: ... An insulator and bracket assembly mounted on every fourth or fifth clamp to support shocker wire.

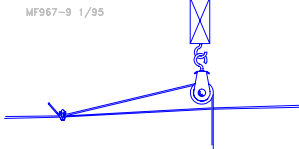


Adjustment Leveler: ... A cable locking device used to conveniently adjust the feeder to a level position.



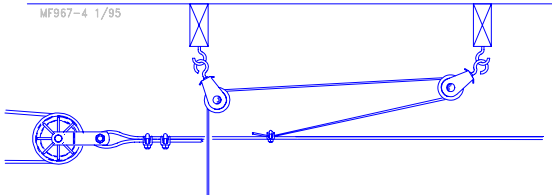
Drop Line: ... A section of cable fastened to the main cable, routed through a pulley, down to the feeder line.

MF967-9 1/95



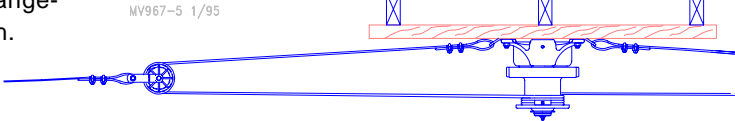
Throw-back: ... A cable/pulley arrangement that allows cable to be routed to a desired location.

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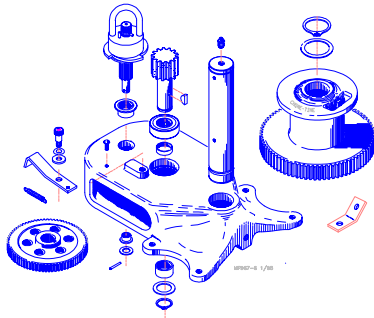


Double-back: ... A cable/pulley arrangement that reduces the load on the Power Winch.

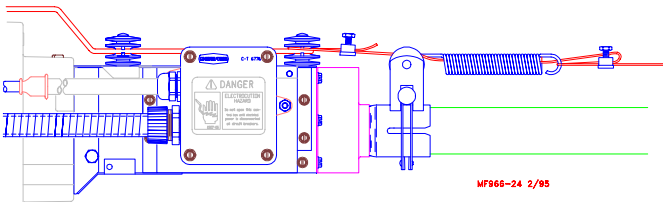
MF967-5 1/95



Power Lift: ... Red, cast iron winch used to raise and lower the feeder line(s). Operated by a hand crank or electric drill. Referred to as Power Winch.



Electro-Guard: ... A high voltage, low current shocking device used to keep birds from setting on the feeder line.



MF866-24 2/95

Feeder Assembly

1. Attach one Swing Down Pan Support and three regular Pan Supports to Pan Shield using rivets supplied. Always attach the Swing Down Pan Support at the same location on all pan shields. It will be necessary to support the Pan Shield while installing the rivets. Use a hammer to drive rivets as shown in Figure 1.

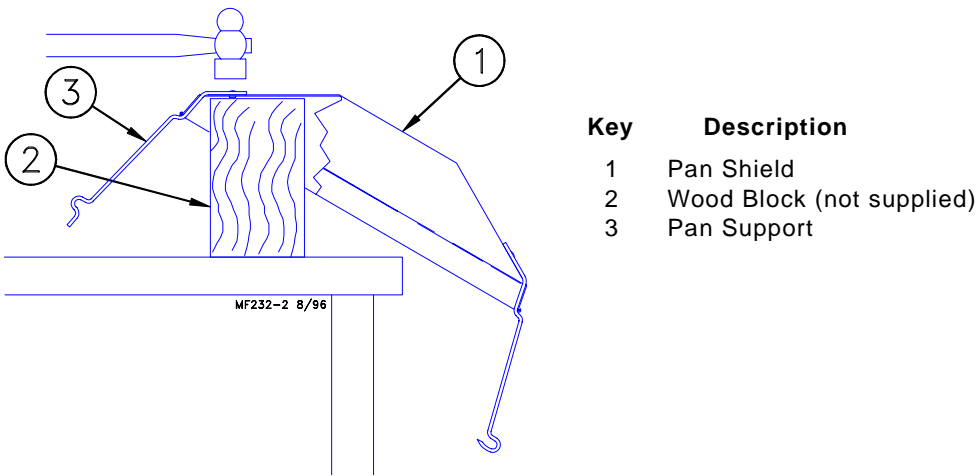


Figure 1. Pan shield Assembly (side view)

2. Determine which Feeder Pan (Adult Turkey or Stage II) is to be installed. See Figure 2. Refer to the appropriate section below.

The basic assembly and installation of the Stage II Feeder is the same as the Adult Turkey Feeder. The two primary differences being; 1) the feeder pan design, and 2) installation of the Feed Level Tube.

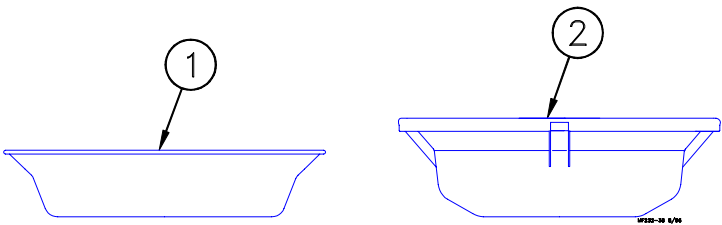


Figure 2. Feeder Pans (side view)

Stage II Feeder Assembly

Assemble the Feed Level Tube & Ring with the arrow pointing **down**, when the Stage II Pan is used. See Figure 3.

The Feed Level Ring should be positioned in the second hole from the top for Stage II Feeder Pans. Note the direction of the arrow.

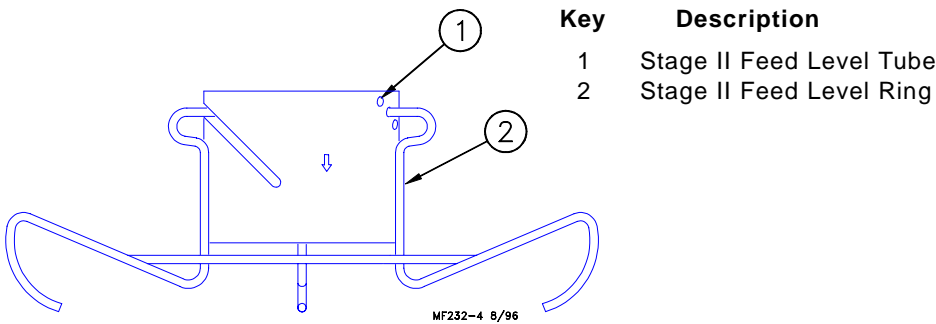


Figure 3. Stage II Feed Level Ring (side view)

Adult Turkey Feeder Assembly

Assemble the Feed Level Tube and Feed Level Ring, as shown in Figure 4.

Note the direction of the arrow on the side of the Feed Level Tube.

Position the Feed Level Ring in the third hole from the bottom for the Adult Turkey Feeder Pan. See Figure 4.

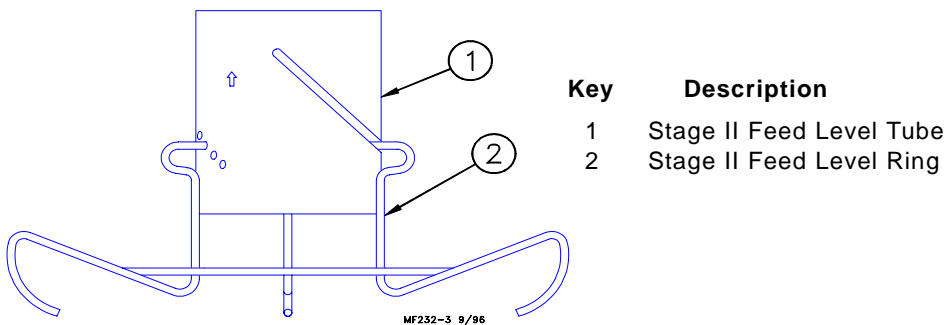


Figure 4. Adult Turkey Feeder Feed Level Ring (side view)

3. If the Feed Level Tubes are to be winch adjustable, install the Cable Assemblies at this point. If the Feed Level Tubes are not to be winchable, proceed to step 4. Install two cables at each feed level tube, as shown in Figure 5. The cable stop should be located on the inside of the Feed Level Tube and pulled up tight against the inside.

NOTE: After the feeder operates, re-adjustment of the Feed Level Tubes may be desired to achieve the desired feed level.

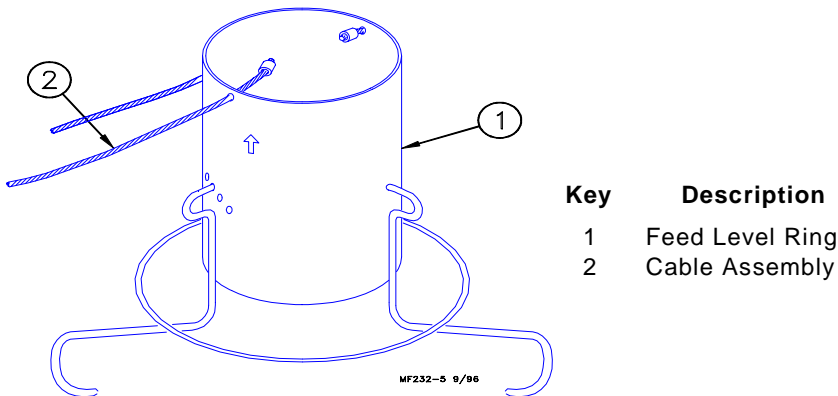
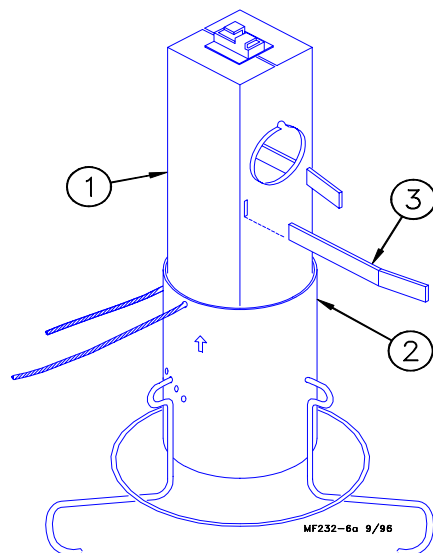


Figure 5. Cable Installation

4. Place the Feed Level Tube Assembly in the Feeder Pan.
5. Insert Drop Tube into Feed Level Tube Assembly. See Figure 6. Install the Pan Shield Supports in the slots in the Drop Tube.

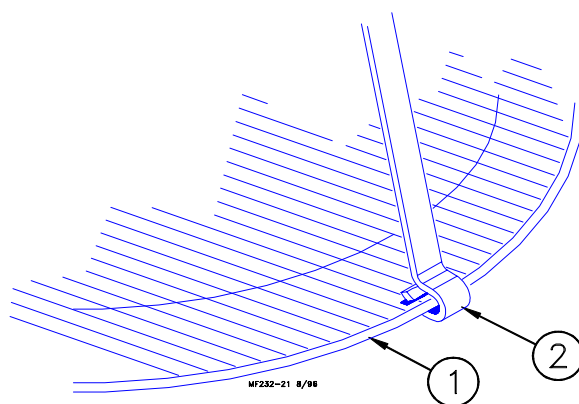


Key	Description
1	Drop Tube
2	Feed Level Tube Assembly
3	Pan Shield Supports

Figure 6. Drop Tube Installation

6. Install the Pan Shield Assembly onto the Pan by hooking the Swing Down Pan Support through the hole in the Pan. See Figure 7. Then swing the pan up and snap the remaining Pan Supports over the lip of the pan.

Do not bend the Pan Supports during assembly.



Key	Description
1	Feeder Pan
2	Swing Down Pan Support

Figure 7. Hooking the Pan to the Pan Shield

Feeder Tube Assembly

1. Slide one Pan Assembly onto the Feeder Tube for each outlet hole. Lift the Drop Tube through the Pan Shield so the Feeder Tube can slide through the holes in the sides of the Drop Tube. Install the Pan Assemblies so that all the Swing Down Pan Supports are on the same side of the feeder line.
2. Rotate the feeder Tube so that the tab at the outlet hole will pass through the notch in the Drop Tube. Rotate the tube 180 degrees to lock the pans in place. See Figure 8. Make sure outlet holes are down.
3. Position the tubes with pans attached end to end in the approximate location where they will be suspended. **The belled ends of the tubes must point towards the hopper.**

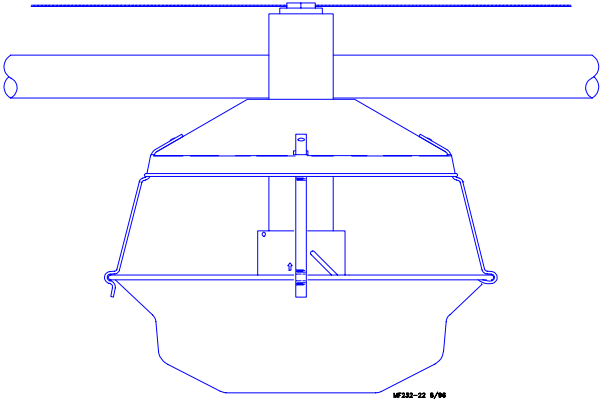
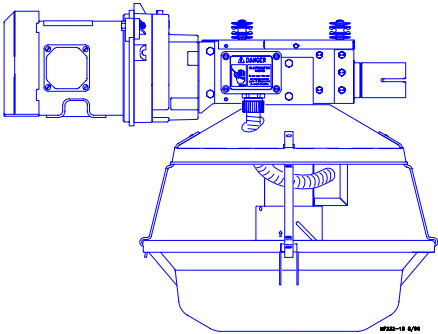


Figure 8. Install Feeders on the Auger Tubes. (side view)

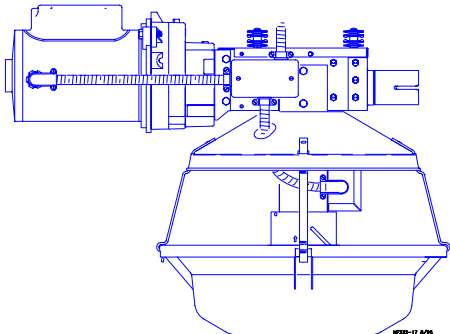
Control Unit Installation

The assembly instructions are very similar for the 6035 Control Assembly and the 27905 Control Assembly. The primary differences between the controls are in the electrical components and protection devices.

27905 Control Unit



6035 Control Unit



- 1. Remove the four 5/16-18x5/8" bolts from the parts package and use them to bolt the Anchor Plate to the Power Unit. Install the Anchor Plate with the angled end pointing down. See Figure 9.
- 2. Bolt the Control Unit Body Assembly to the Power Unit, using hardware supplied. See Figure 9.

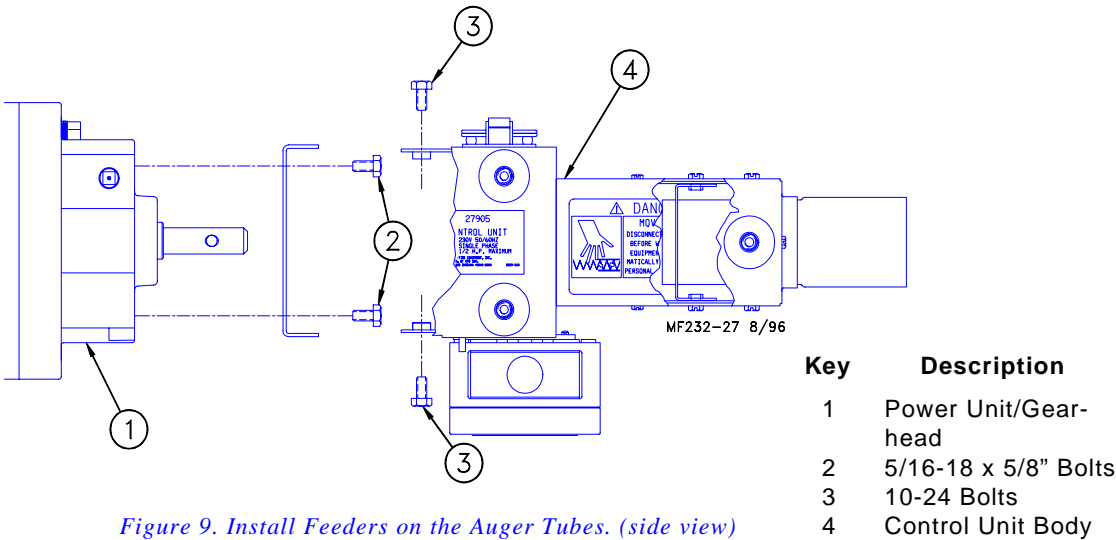


Figure 9. Install Feeders on the Auger Tubes. (side view)

- 3. Rivet the Pan Supports on the Control Unit Shield. See Figure 1 (on page 7) for instructions on riveting.
- 4. The Feed Level Switch is factory adjusted. To check adjustment before assembling, depress the switch paddle and listen for the switch to "click". If the switch needs adjustment, refer to the maintenance section on pages 47 - 48.
- 5. Insert the Drop Tube and Switch Assembly through the Pan Shield, from the bottom. See Figure 10. The hole in the Pan Shield should be located on the same side of the Drop Tube as the Switch Cord and directly under the white box on the body assembly. Bolt the Drop Tube to the Body Assembly. The switch on the Drop Tube should be mounted opposite the Power Unit.

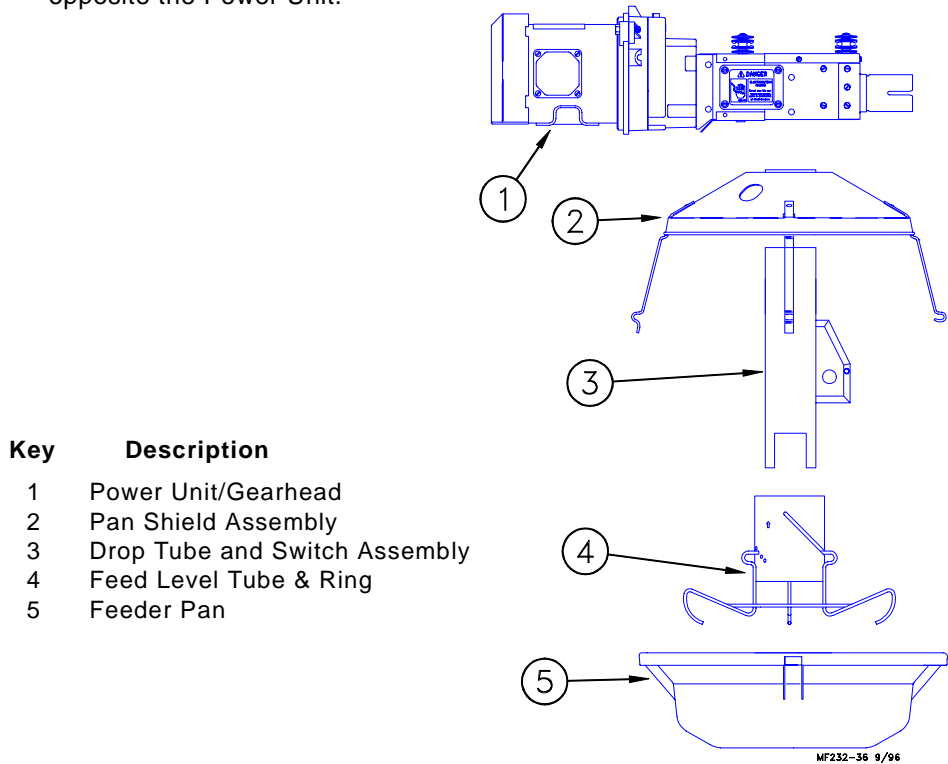


Figure 10. Drop Tube and Switch Assembly Installation. (side view)

- 6. Single Phase: Install the 90 degree connector, flexible conduit, electrical wire, and conduit connector as shown in Figure 11.
- Three Phase: Refer to applicable electrical standards for connecting Power Unit to Control Unit. Components are not supplied by Chore-Time.

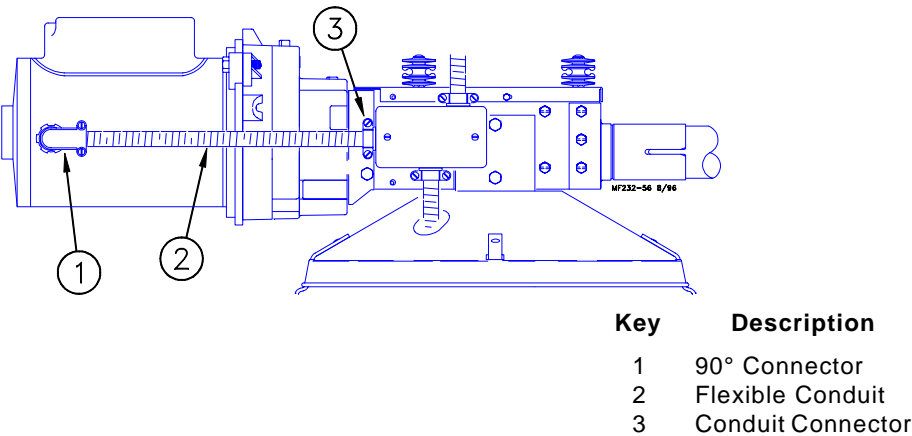


Figure 11. Conduit Installation. (side view)

7. Insert the flex cable that is attached to the control switch through the hole in the control unit pan shield and attach the Romex connector to the handy box. See Figure 12.

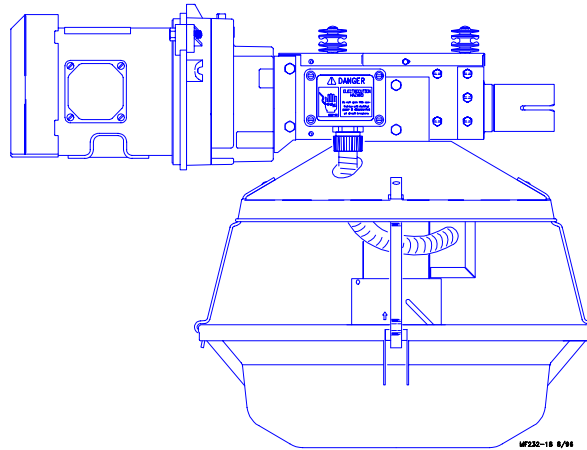
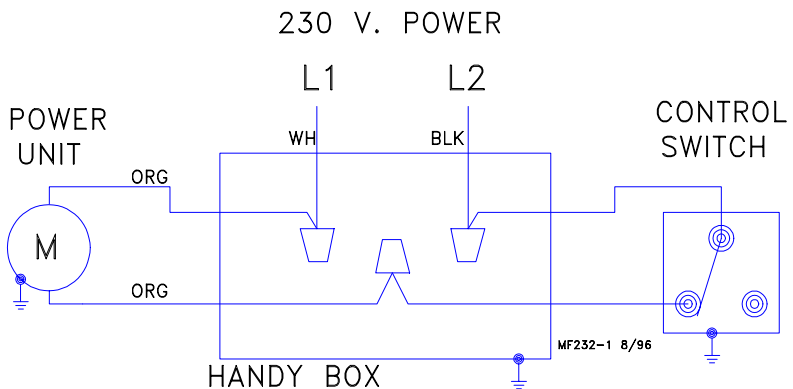


Figure 12. Drop Tube and Switch Assembly Installation. (side view)



8. **DISCONNECT ELECTRICAL POWER PRIOR TO WIRING THE CONTROL UNIT.**
Single Phase Control Unit may be wired as shown in Figure 13, or for additional wiring, refer to the wiring diagrams on page 34.
Three Phase Control Unit must be wired as shown in the wiring diagrams on page 35.
9. Mount the control unit on the end of the feeder line and secure with a tube clamp, as shown in Figure 9. The distance between the control unit pan and the last pan should be five feet (1.5 m) or less.



Suspension System

The feeder line suspension system is a vital part of your feeding system. Proper planning and installation is necessary to insure proper operation of the system.

USE THE CHART BELOW AS A REFERENCE GUIDE FOR
DETERMINING SUPPORT LOAD REQUIREMENTS FOR YOUR SYSTEM

Component	Weigh in pounds (kg)
Tube, Auger, Feeders, & Feed	7 lbs./ft (10.5 kg./m)
Power Unit & Control Unit Assembly	50 lbs. (22.6 kg)
200 lb. Feed Hopper & Feed	250 lbs. (113.4 kg)
Power Winch	40 lbs. (18.1 kg)

The type of installation required depends on feeder line length. Figure 13 shows the suspension system for feeder line lengths to 350' (107 m). Figure 14, on page 15, shows the suspension system for feeder lines over 350' (107 m).

IMPORTANT: Notice that the feeder line **MUST BE SUPPORTED WITHIN 1 FOOT (300 MM) OF THE HOPPER AND 3 FEET (1 M) OF THE MOTOR ON THE CONTROL UNIT.** If the Control Unit does not come out directly under a truss, fasten a pulley to a 2x8 (50x200 mm) board that will span 2 trusses supporting the Control Unit.

After determining the type of suspension system required, decide where the feeder line is to be installed. Mark a straight line on the ceiling or rafters the full length of the feeder line. Use a string, chalk line, or the winch cable, temporarily attached with staples, to mark the line. Center the line directly over where the feeder is to be installed.

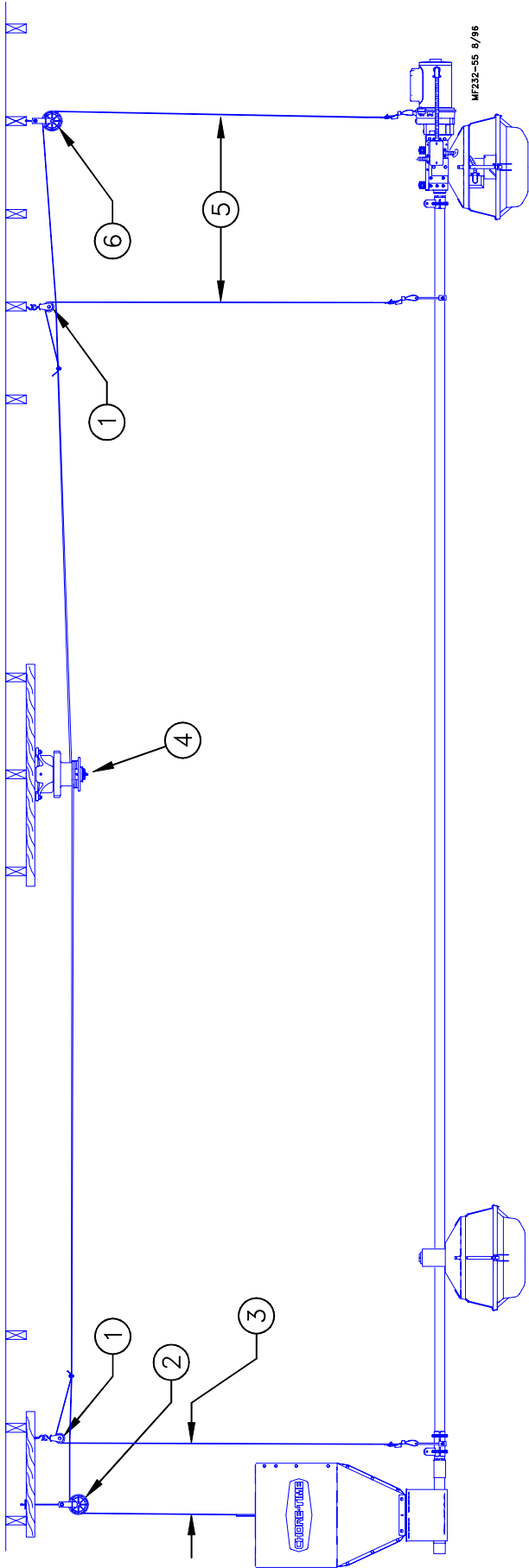
The recommended distance between the drops is 8' (2.4 m) on center. Do not exceed 10' (3 m) spacing on drop lines.

If the distance raised is greater than the distance between the drop spacings, offset the hooks 3" (75 mm) to each side of the line to prevent the cable clamps from catching the pulleys. See Figure 15.

For installations using wood trusses, standard screw hook or the optional Ceiling Hook may be used to hold the pulley assemblies.

For installations using steel trusses, the Ceiling Hooks are available to hold the pulley assemblies.

For systems up to 350' (107 m).



Key	Description
1	Swivel Pulley
2	Full Line Suspension Kit
3	1' (30 cm)
4	Power Winch
5	3' (90 cm)
6	3.5" (8.9 cm) Pulley

Figure 13.

For systems over 350' (107 m).

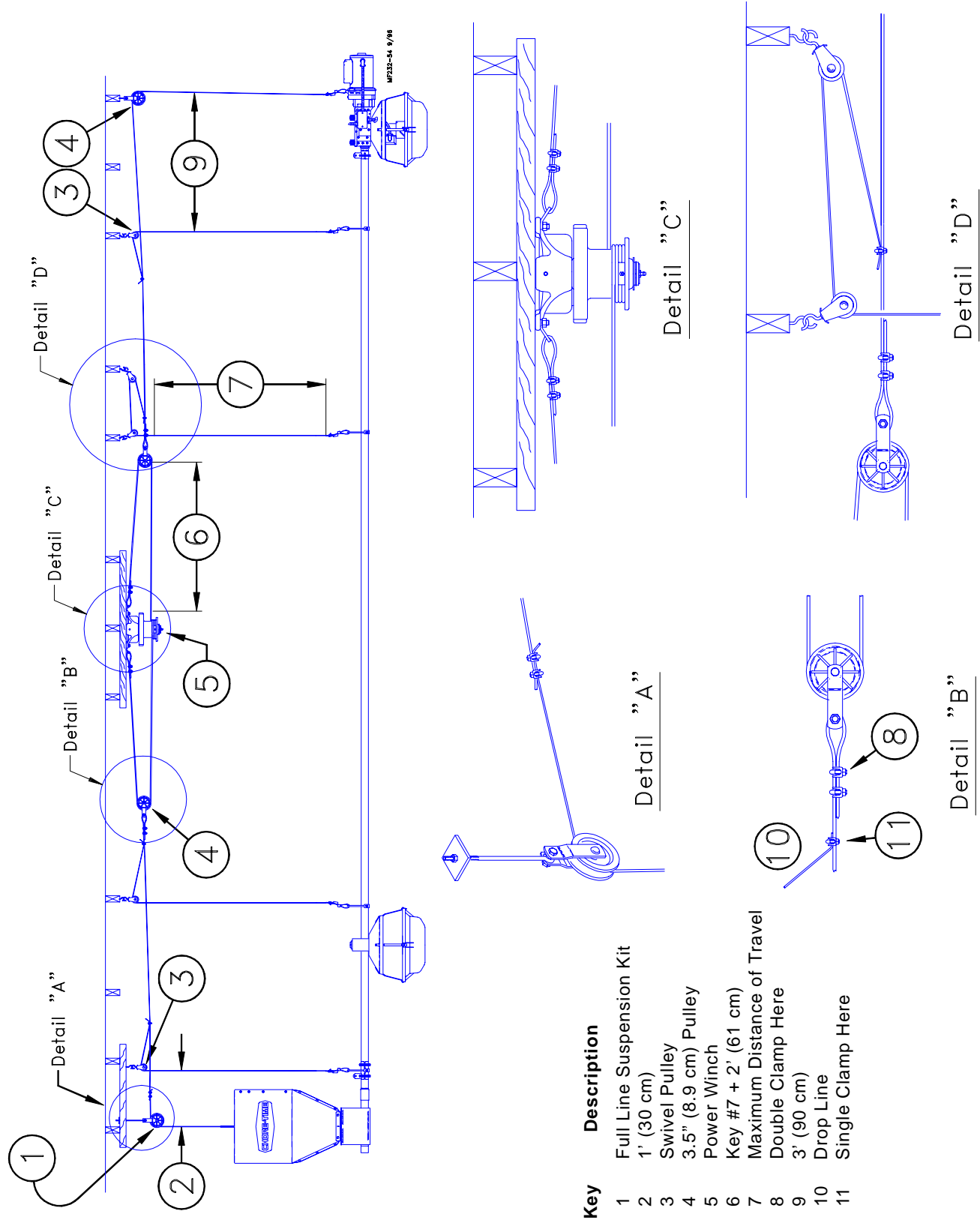
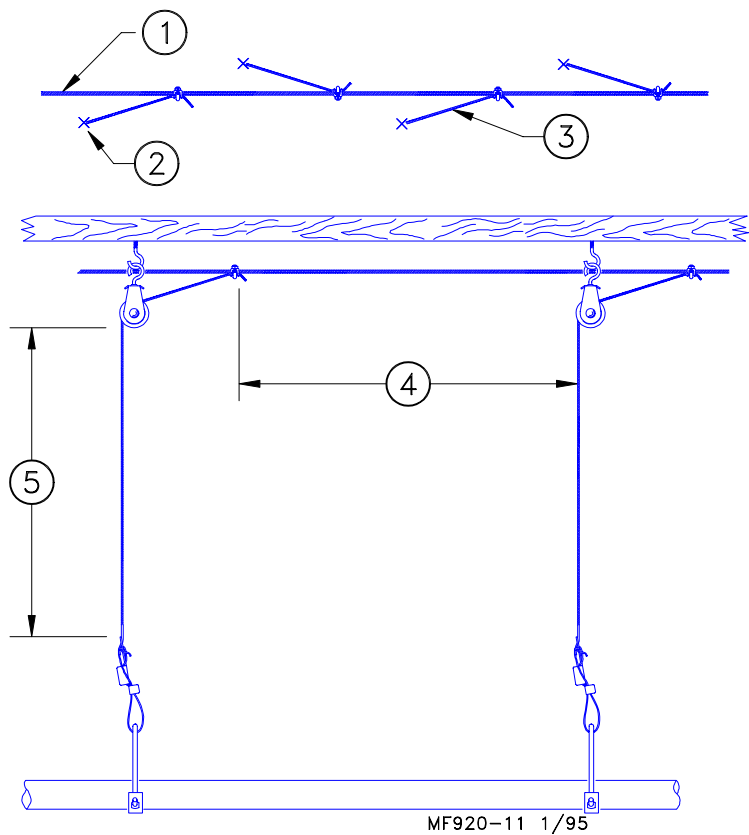


Figure 14.

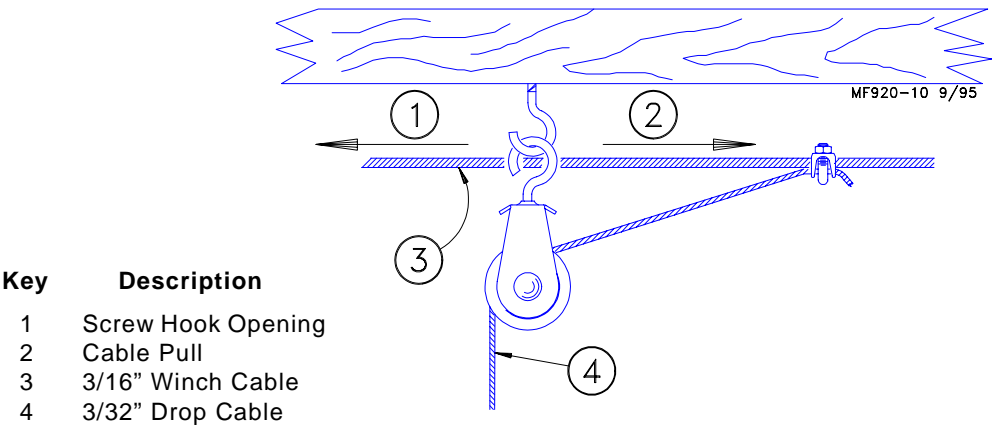


Key	Description
1	3/16" Winch Cable
2	Screw Hook Location
3	3/32" Drop Cable
4	Distance of Cable Travel
5	Distance of Feeders to be Raised

Figure 15. Suspension System with Off-Sets (side view).

Screw Hook Installation

Screw the hook into the truss the full length of the threads to prevent bending. The openings of the screw hooks must be pointed away from the direction of travel when the Power Winch raises the feeder line. See Figure 16.



Key	Description
1	Screw Hook Opening
2	Cable Pull
3	3/16" Winch Cable
4	3/32" Drop Cable

Figure 16. Screw Hook Installation (side view)

Ceiling Hook Installation

The ceiling hook may be used in a variety of installations. Depending on your individual situation, install the Ceiling Hooks as shown in Figures 17 - 20.

After securing the Ceiling Hook to the truss, slide the hook of a Swivel Pulley into the slot, as shown in Figure 21.

Key Description

- 1 Secure Bracket to truss using self-drilling screws through side-by-side holes.
- 2 Cable Travel

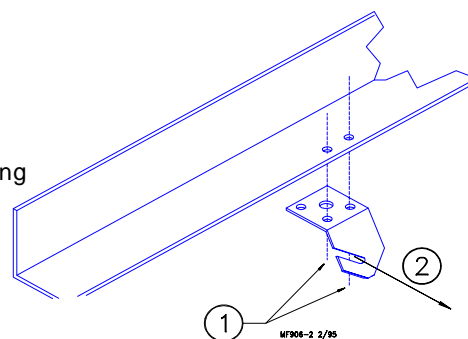


Figure 17. Narrow Steel Truss Installations

Key Description

- 1 Secure Bracket to truss using self-drilling screws through opposite holes.
- 2 Cable Travel

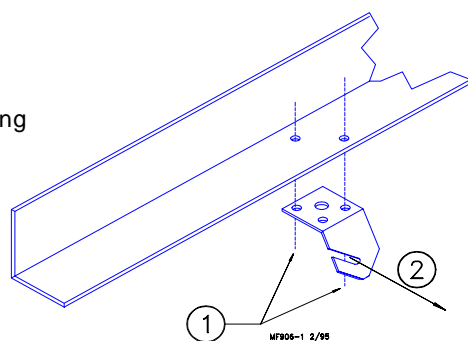


Figure 18. Wide Steel Truss Installations

Key Description

- 1 Weld Here
- 2 Cable Travel

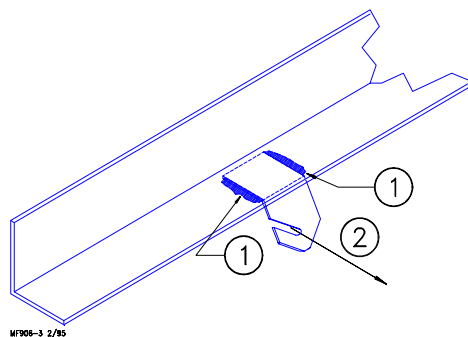


Figure 19. Steel Truss Welded Installations

Key Description

- 1 Secure Ceiling Hook to truss using 1/4-20 Lag Screw through large center hole.
- 2 Cable Travel

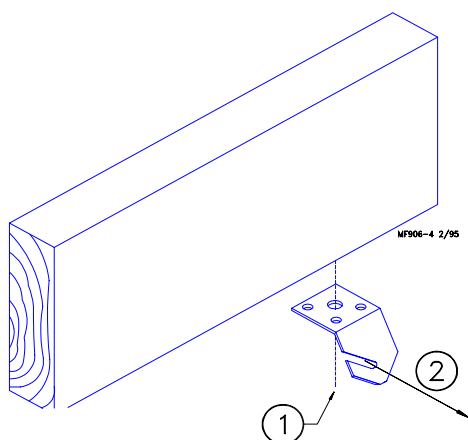


Figure 20. Wood Truss Installations

Key	Description
1	Wood Truss
2	Ceiling Hook
3	1/4" Lag Bolt
4	Swivel Pulley
5	Drop Cable

- | Key | Description |
|-----|---------------|
| 1 | Wood Truss |
| 2 | Ceiling Hook |
| 3 | 1/4" Lag Bolt |
| 4 | Swivel Pulley |
| 5 | Drop Cable |

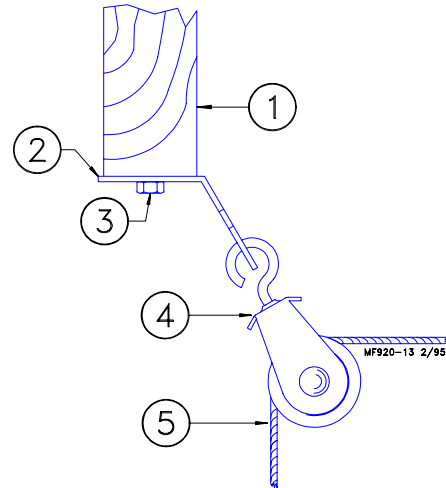


Figure 21. Swivel Pulley Installation

Power Winch Installation

1. Bolt the Power Winch, fully assembled, to a 2x8 (50x200 mm) board that will span at least 3 rafters. The brake mechanism will protrude on one side.
For feeder lines over 350 feet (106 m), install a 2985 Cable Hook between the mounting bolt and Power Winch frame, as shown in Figure 22.
2. Attach the 2x8 (20x200 mm) board, with the Power Winch secured, to the ceiling at the center of the feeder line. The 2x8 (50x200 mm) must be parallel to the line and must span at least 3 rafters.

Key	Description
1	Power Winch
2	Cable Hook
3	2x8 Board
4	Secure Cable Hook and Power Winch to 2x8 Board.

- | Key | Description |
|-----|---|
| 1 | Power Winch |
| 2 | Cable Hook |
| 3 | 2x8 Board |
| 4 | Secure Cable Hook and Power Winch to 2x8 Board. |

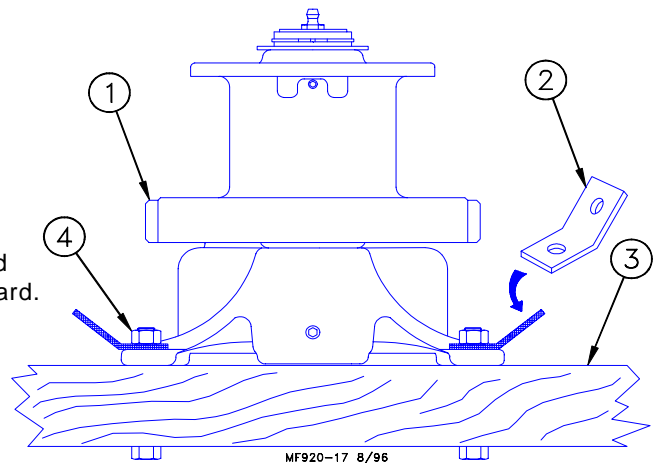


Figure 22. Power Winch Installation

If the hopper is located at the center of the feeder line, locate the Power Winch a few feet offset from the center of the feeder line.

3. Extend the 3/16" (5 mm) cable the full length of the feeder line. Attach the cable temporarily to the ceiling with nails, staples, or some type of fastener.
4. Wrap the cable through the winch drum relief located near the bottom of the drum. Tighten the set screw to anchor the cable to the drum. See Figure 23.
5. Turn the winch drum one full revolution. Guide the cable against the flange at the bottom of the winch drum. The cable must not wrap over itself on the drum, but should be wrapped as close as possible to each previous wrap. See Figure 23.

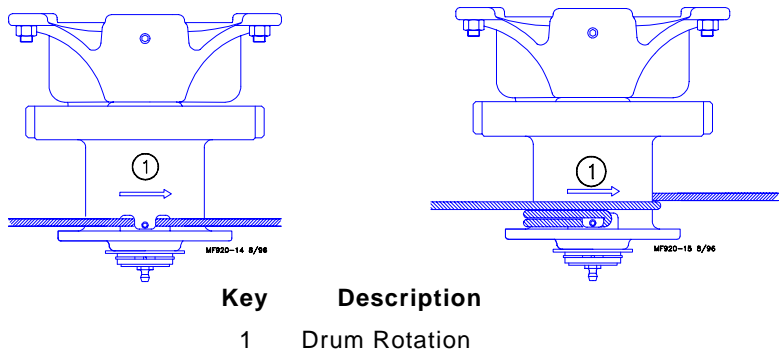


Figure 23. Cable Installation & Wrap

Drop Installation

1. Attach a 3004 Pulley to each hook.
2. Thread the end of the 3/32" or 1/8" cable through the pulley toward the winch. Clamp this end to the 3/16" winch cable about 6" (150 mm) from the pulley, using a 3/16" cable clamp. See Figure 16.
3. Cut the cable long enough to allow for installation to the feeder line and to the Adjustment Leveler.
Sufficient cable is included to provide "throwbacks" on drops located beneath and near the winch. Detail D on Figure 14 (page 11) shows a "throwback" cable arrangement.
4. **Begin installing suspension drops at the winch and proceed to the ends of the feeder line.**
Keep the main cable tight between drops. It may be necessary to hang a weight on the end of the main cable to maintain tension.

Hopper Assembly Procedure

The 200# Hopper is used with the Adult Turkey Feeder.

1. Loosely, assemble the 200# Hopper Side Panels, as shown in Figure 24, using 1/4-20 bolts and 1/4-20 hex nuts (supplied in Hardware Package). The Hopper should be assembled so that the "CHORE-TIME" decals are on opposite sides of the hopper.
2. Secure the Boot Hangers to the bottom of the hopper, using 1/4-20 hardware. See Figure 24.

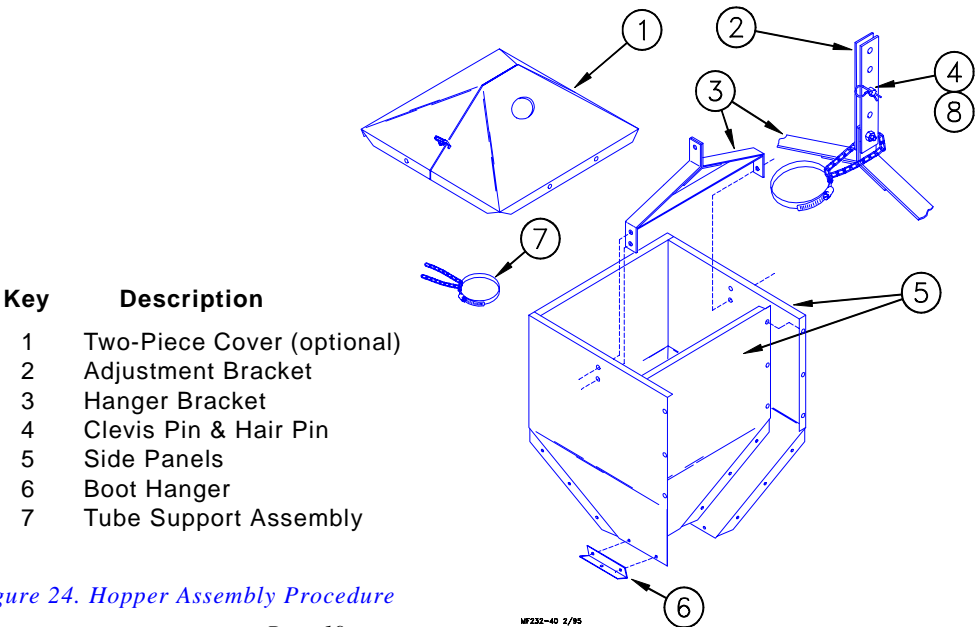


Figure 24. Hopper Assembly Procedure

Feeder Line Assembly & Suspension

- 1. The tubes should be laying end to end in approximately the final location of the line. The expanded end of each tube should be toward the Hopper end of the line. See Figure 25.
- 2. Connect the individual feeder tubes together by inserting the straight end of the tube as far as possible into the belled end of the next tube.

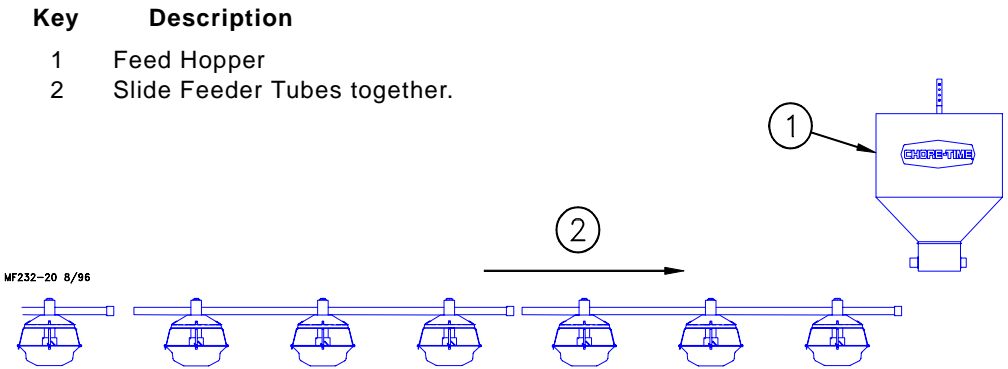


Figure 25. Feeder Line Assembly Procedure (side view)

- 3. Place a Tube Clamp Assembly **or** Clamp/Anti-Roost Bracket at each joint. Figure 26 shows the standard Clamp and Clamp/Anti-Roost Bracket. Make sure that each tube fits as far as possible into the belled end of the next tube. The outlet holes must point down. Install tube clamps as shown in Figure 27.
- 4. Begin at the hopper end of the line. Use a tube clamp with anti-roost bracket to attach the hopper to the first tube. Use a tube clamp (w/o insulator) at the next joint--between the first and second feeder tubes. Continue down the line, clamping the tubes together. Use a tube clamp with anti-roost bracket at the end of the line. This should give a tube cable clamp with anti-roost bracket at each end of the line and at 20 foot (6 m) intervals along the length of the line.
- 5. If the optional Intermediate Control Unit is used, install it at the desired location. Refer to page 31 - 32 for Intermediate Control Installation instructions.

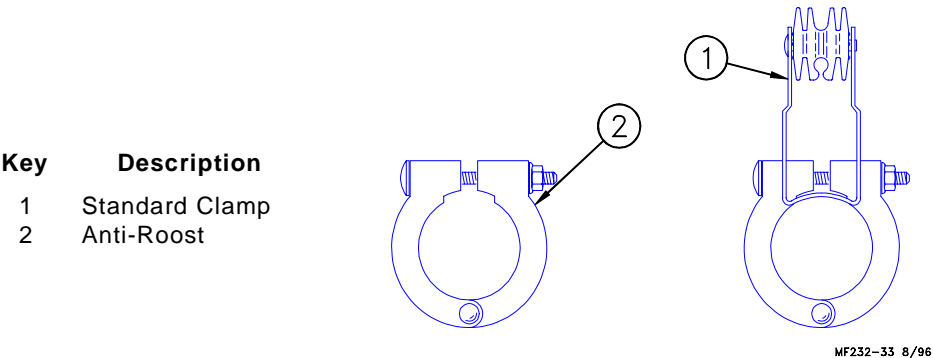


Figure 26. Tube Clamp and Anti-Roost Bracket (side view)

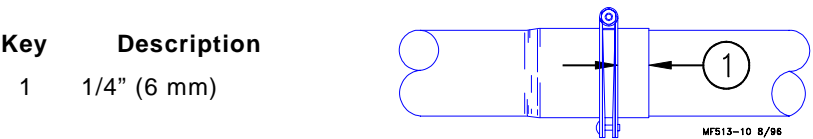


Figure 27. Tube Joint Connection (side view)

6. Install the Hangers on the tubes on the 8' (2.4 m) spacings determined by the suspension drop lines. Figure 28 shows the proper installation of the Hanger Assembly. Make sure the outlet drop hole is down when the Hangers are installed, otherwise feed will not be allowed to drop into the feeder pan.
 7. Install Adjustment Leveler within 6" (152 mm) of feeder line. Figure 28 shows the proper cable routing around the Adjustment Leveler.
 8. Following installation of all drops, check drop cables before raising feeder line. Cable must be on all pulleys before raising the feeder line.
 9. Raise the feeder line to a convenient working height.
 10. After the feeder line has been suspended, level the system to the bird walking surface.
 11. Before tightening each clamp;
 - make sure each tube is level (not sagging, sloping, etc.).
 - make sure straight end of tube is fully inserted in belled end of next tube.
 - make sure clamp is located, as shown in Figure 27.
- Finally, tighten the Tube Clamps on the feeder tubes. Clamp the joints securely, but do not crush the tubes.

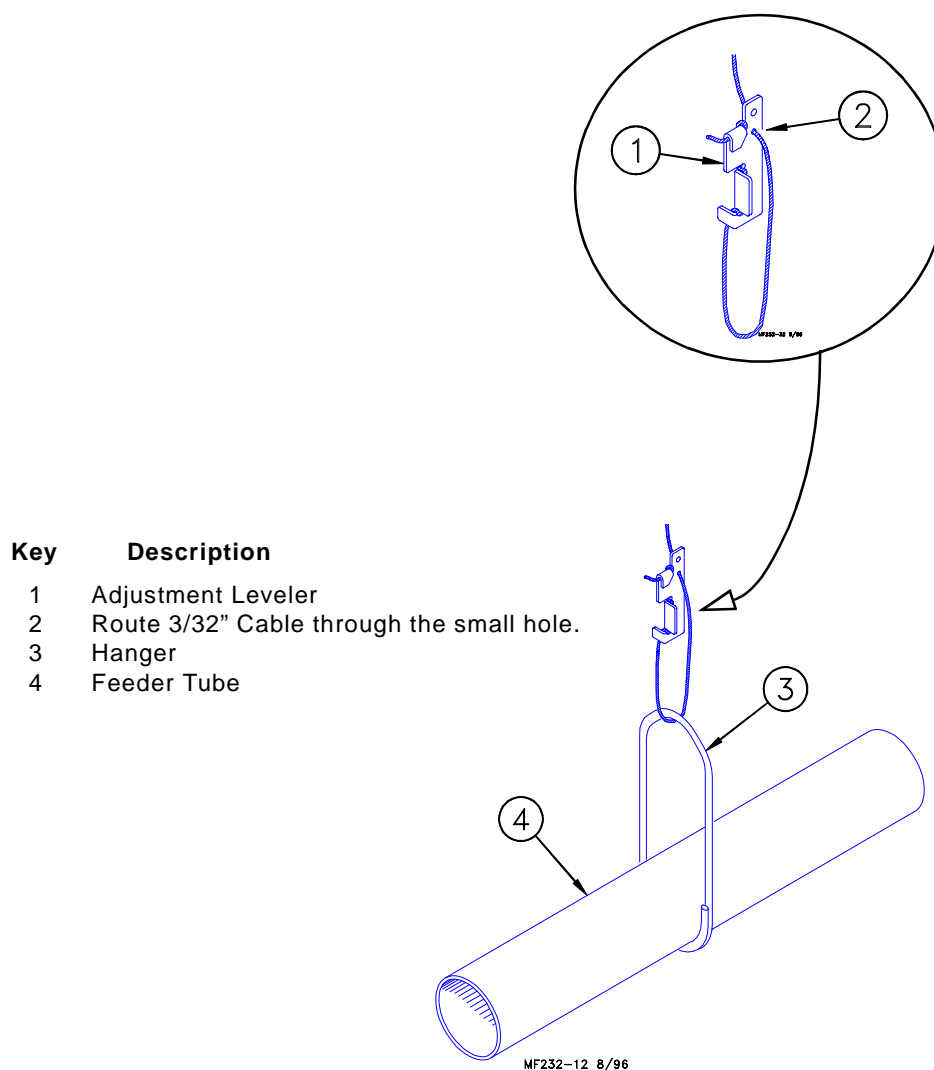


Figure 28. Adjustment Leveler and Hanger Installation

Anti-Roost Installation

1. Unroll the bulk anti-roost cable. Note: If the cable is unrolled as shown in Figure 29, taking 5 loops of the coil with one hand, then changing hands to remove 5 loops as it is unrolled, it will lie flat during installation.

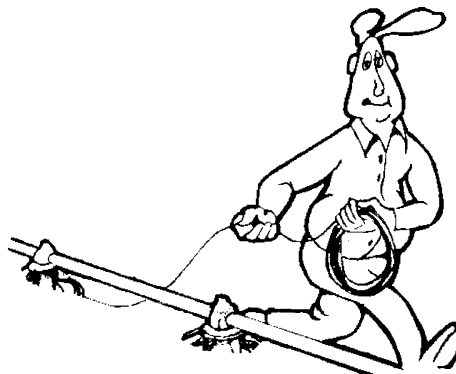


Figure 29. Unrolling the Cable

2. Start at the hopper end of the line and form a loop around the anti-roost bracket. For best results, make a double loop around the anti-roost insulator in the center groove of the insulator and fasten with a 1/16" cable clamp as shown in Figure 30.

Key	Description
1	Cable Clamp
2	Anti-Roost Cable
3	Clamp with Insulator Bracket and Insulator

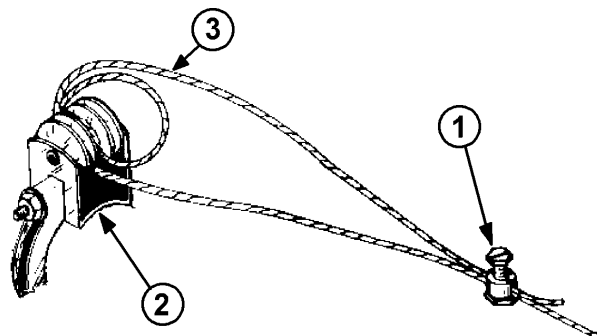


Figure 30. Anti-Roost Cable at the Hopper

3. Insert the cable in the insulator on the top of each Grill Support between the hopper and the next anti-roost bracket.
4. Attach a spring in the center groove at the second anti-roost bracket and cut the cable at this point. See Figure 31.

Key	Description
1	Cable Clamp
2	Clamp with Insulator
3	Anti-Roost Cable
4	Spring should be stretched to 3/4" to 1" (19 to 25 mm).

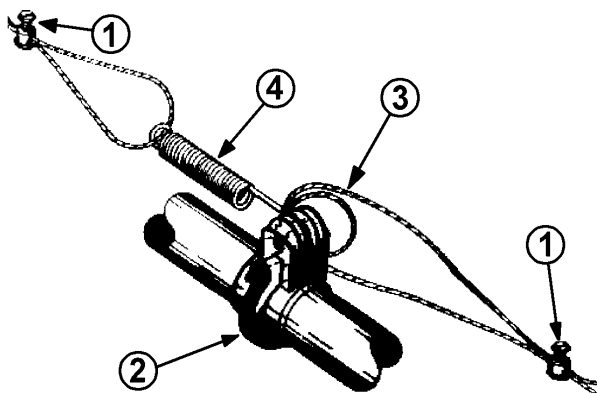
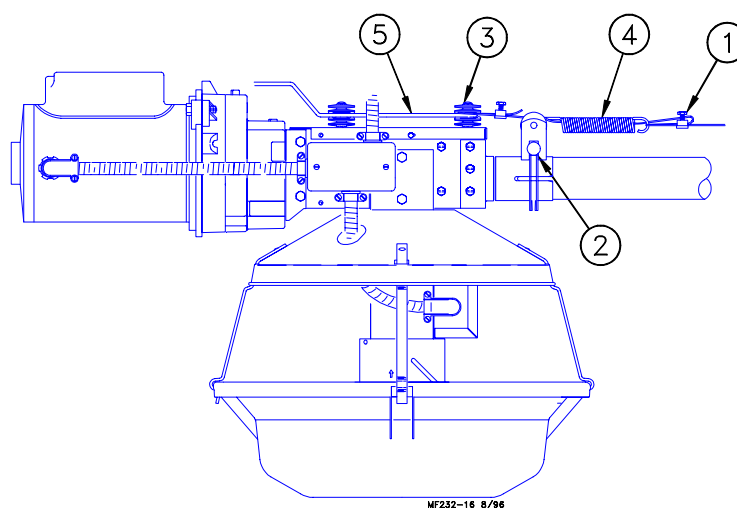


Figure 31. Anti-Roost Cable at the Hopper

5. Thread the ends of the cable through the end of the spring. Pull the cable tight so that there is 3/4" to 1" (20 to 25 mm) of stretch in the spring. Clamp the cable to form a loop and cut off any excess. See Figure 31.
6. Attach the cable to the insulator. For best results, make a double loop around the anti-roost insulator in the center groove of the insulator and fasten with a 1/16" cable clamp as shown in Figure 31.
7. Run the cable to the next insulator, attach a spring in the center groove at the anti-roost bracket and cut the cable at this point. The cable should be positioned in the insulator built into the top of each grill support along the feeder line.
8. Repeat this installation until the anti-roost cable is installed along the entire feeder line.
9. At the control unit, after clamping the cable to the spring, cut the cable about 8" to 10" (200 to 250 mm) longer than necessary. Feed the end of the cable through the center of the spring, around the first insulator on the control unit, and clamp the cable using the cable clamp supplied with the control unit. See Figure 32.
10. Install the wire form on the control unit insulators. Be sure the Guard snaps into the retainers molded into the insulators. See Figure 32.



Key	Description
1	Cable Clamp
2	Clamp with Anti-Roost Bracket and Insulator
3	Insulator
4	Spring should be stretched to 3/4" to 1" (19 to 25 mm).
5	Wire Form

Figure 32. Anti-Roost Installation at the Control Unit

11. Install the Poultry Trainer or Line Charger, as shown in Figure 33 or 34.
 The Poultry Trainer is used to power all Anti-Roost lines in a house. See Figure 33.
 The Line Charger is used to power individual Anti-Roost lines in a house. See Figure 34.
 Route the charger wire from the Poultry Trainer or Line Charger to the Anti-Roost system. Secure the Charger Wire to the Anti-Roost cable, using a cable clamp.

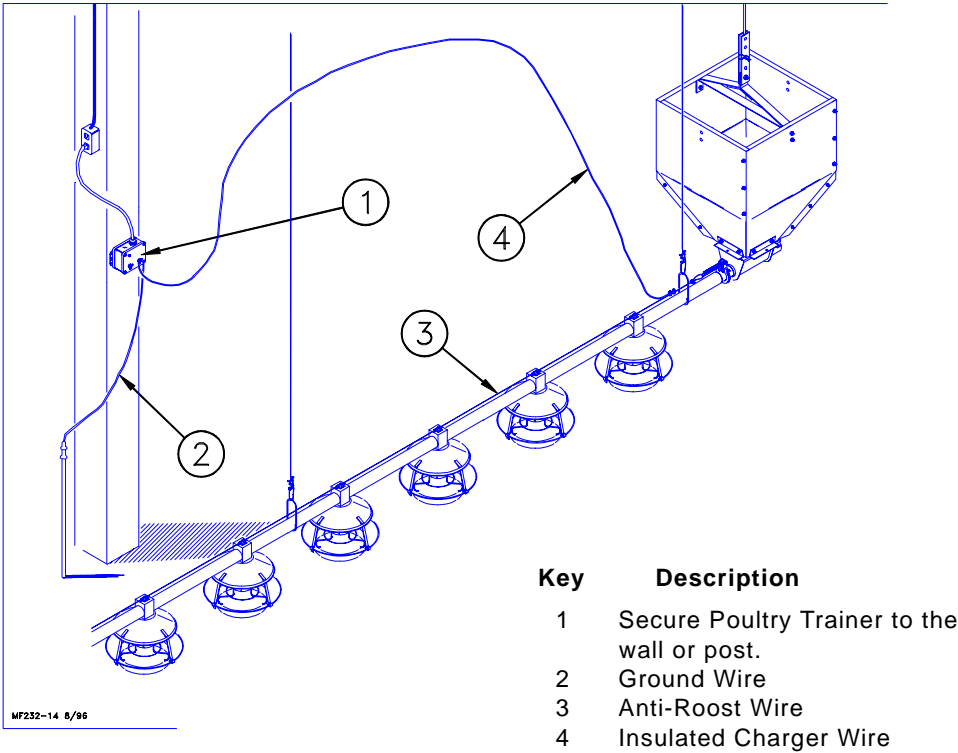


Figure 33. Poultry Trainer Installation

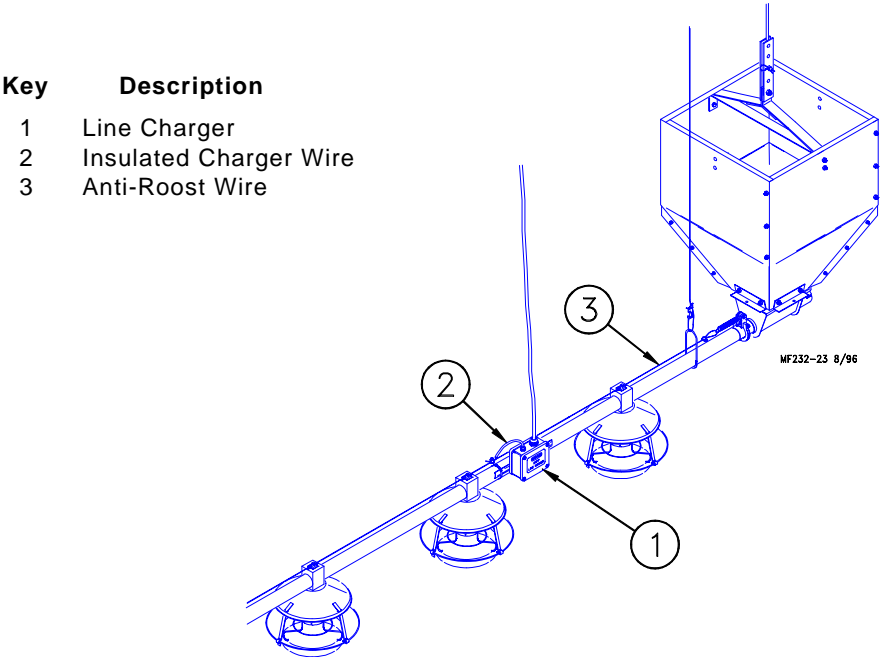
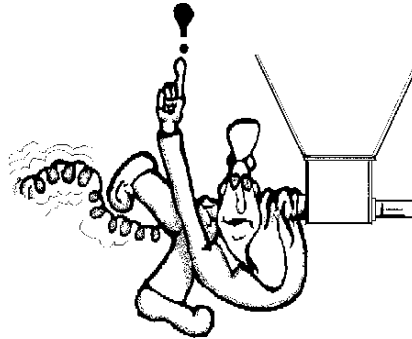


Figure 34. Line Charger Installation

12. The anti-roost system must be on a separate electrical circuit, allowing the system to be disconnected by a switch near the door.
- Remember, the Anti-Roost System should be grounded through the poultry trainer.

Auger Installation

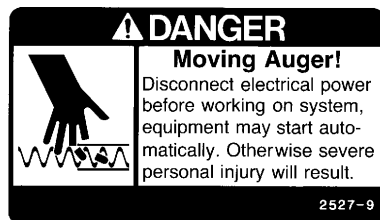
Note: Use extreme caution when working with the auger. The auger is under tension and may spring causing personal injury. Wear protective clothing, gloves, and safety glasses when working with the auger.



BE CAREFUL WHEN WORKING WITH THE AUGER!

To avoid kinking the auger, be careful not to drop the rolled auger when handling. Inspect the auger carefully as it is installed. Small kinks may be straightened. Large kinks must be removed and the auger brazed back together.

Cut the leading 18" (450 mm) and last 18" (450 mm) off each roll of auger. Also, cut out any other distorted auger sections and reconnect the auger as specified in the Auger Brazing section of this manual.



1. Remove the Anchor & Bearing Assembly from the boot under the Hopper.
2. **Use extreme caution when pushing the auger into the auger tubes. Keep your hand away from the end of the auger tube to avoid injury.**
With the auger coiled about 6 feet (1.8 m) from the end of the boot, feed the auger through the boot into the tubes.
Push the auger into the tube in short strokes.
Uncoil and handle the auger carefully to avoid damaging or kinking the auger.
3. If more than one coil is required for each feeder line, the auger ends will have to be brazed together. Refer to the Brazing the Auger section in this manual.
4. Continue installing auger until the auger reaches the Control Unit end of the feeder line.
5. Slide the Drive Tube and flat washer over the output shaft on the Power Unit, as shown in Figure 35.

6. Attach the auger to the output shaft of the Power Unit. Use the Drive Block to secure the auger to the Output Shaft.

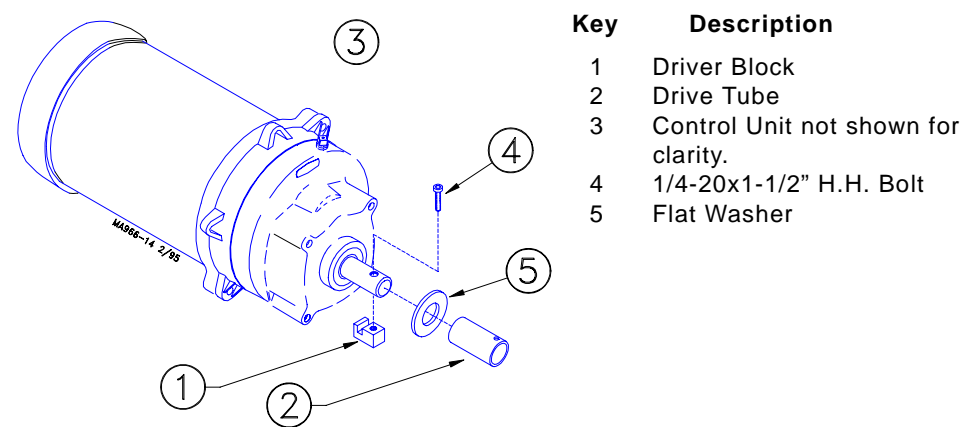


Figure 35. Auger Driver Components.

7. Pull the auger at the boot end until it begins stretching. Then let it relax. In the *relaxed* position, mark the auger at the end of the boot. See Figure 36.

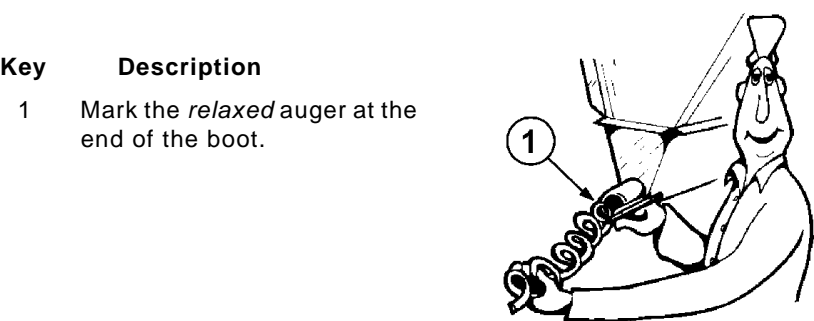


Figure 36. Measure the Auger from the relaxed position.

8. Auger stretch:
- The auger needs to be stretched 7" (180 mm) per 100' (30 m). Example: A 300' (90 m) feeder line requires 21" (500 mm) of stretch.
- Beginning at the *relaxed* position, measure the required amount of stretch. Mark the auger at that point.
- Grip the auger 8" (200 mm) ahead of this mark with locking pliers. Allow the auger to pull back into the boot so that the pliers rest against the end of the boot. See Figure 37.
- Use a hacksaw or bolt cutters to cut the auger at the stretched auger mark.

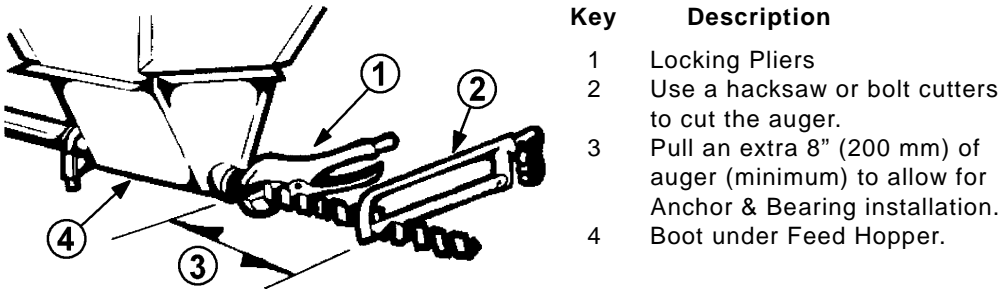


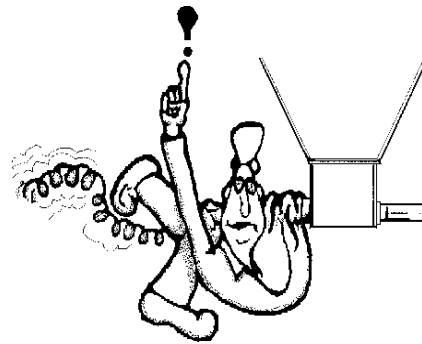
Figure 37. Cut the Auger with required stretch.

9. Insert the Anchor Assembly into the auger until it touches the weld at the back of the anchor. Do not allow the auger ride up over the weld. Tighten the setscrew in the center of the anchor. **THIS SETSCREW MUST BE TIGHT.**



10. **Carefully** remove the locking pliers while holding onto the Anchor and Bearing Assembly and auger securely. **Slowly** ease the auger back into the tube. Use caution. If the auger is allowed to spring back, the bearing race may crack. Install the Bearing Retainer and fasten with a tube clamp. Keep the Bearing Retainer flush with the end of the anchor for safety.
11. Place the cannonball in the boot.

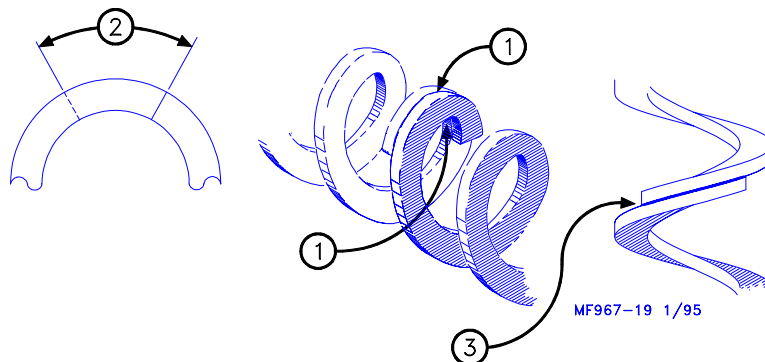
BE CAREFUL WHEN WORKING WITH THE AUGER!



Auger Brazing

The auger should be brazed if it is necessary to splice or lengthen it. A bronze, flux coated rod is recommended.

The ends of the auger should butt against each other, **NOT THREAD INSIDE EACH OTHER**. See Figure 38. The joint should be well filled with no sharp edges or rough corners to wear against the tube. To align the auger for brazing, lay it in angle or channel iron and clamp it firmly in place. Use low heat. Allow the joint to air cool; rapid cooling will cause the auger to become brittle.



Key	Description
1	Braze here
2	Lap the auger ends approximately 1" (25 mm).
3	Butt the auger ends together. DO NOT thread the auger together.

Figure 38. Auger Brazing.

Winch Adjustable Feed Level Tubes

(optional equipment)

Chore-Time's Adult Turkey Feeder can be equipped to provide winch adjustable Feed Level Tubes. New systems can be ordered with this feature. Existing system can be (easily) upgraded to include Feed Level Tube winching components.

The Feed Level Tubes are adjusted using a winch and cable. The maximum line length for each winch is 200' (61 m). The winch should be located in the middle of the line of feeders that it is to adjust. See Figure 39.

Operation

The Feed Level Tubes are winched up to flood the pans with feed to allow maximum access to the feed for young turkeys. As the birds grow, the Feed Level Tubes can be lowered to reduce the feed level.

For systems using the 9194 Feed Level Tubes (winchable), the Feed Level Ring will need to be adjusted manually.

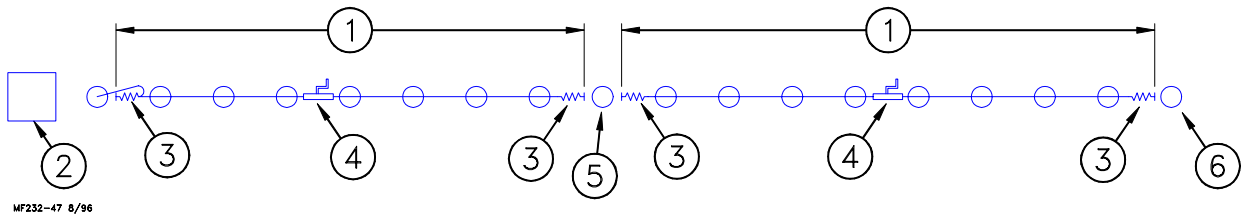


Figure 39.

Key	Description
1	200' (61 m) Maximum
2	Feed Hopper
3	Spring
4	Winch
5	Intermediate Control
6	Control Unit

Installation of the Winch Adjustable Feed Level Tube System

1. Use two tube clamps provided to fasten the winch to the feeder line tube. See Figure 40.

The winch should be placed in the center of the line of Feed Level Tubes it will adjust, as shown in Figure 39. THE LINE LENGTH MUST NOT EXCEED 200 FEET (61 M).

Key	Description
1	Clamp
2	Winch
3	Auger Tube

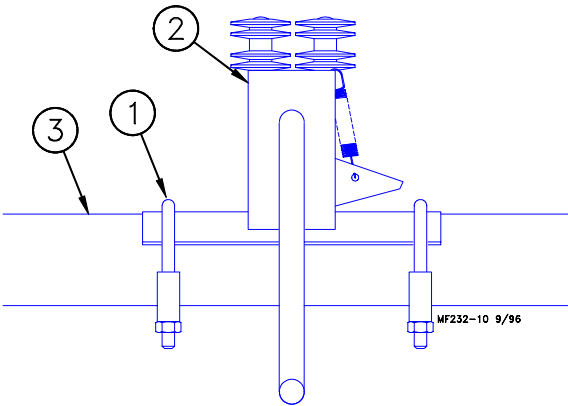


Figure 40. Winch Installation (side view)

2. Drill a 1/4" (6 mm) hole in the flat metal portion of a tube clamp to anchor spring on each side of the winch. See Figure 41. Attach the Tube Clamp/Spring assemblies to the feeder line tube at a maximum distance of 100 feet (30 m) from the winch. See Figure 39.

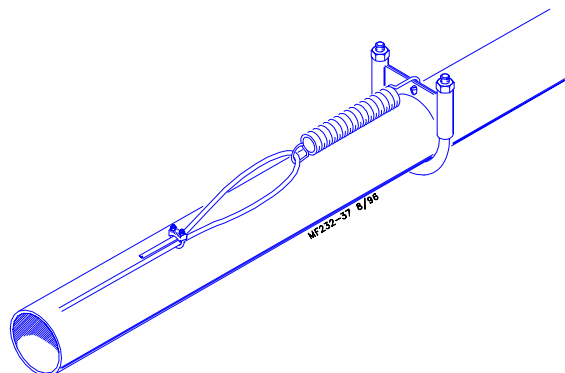


Figure 41.

3. Thread half of the cable through the hole in the winch drum. Turn the winch handle clockwise two revolutions to wind some cable onto the winch drum. See Figure 42.

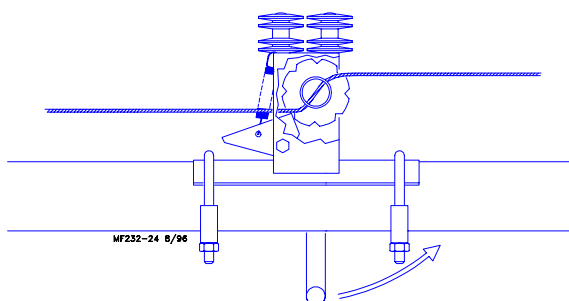


Figure 42. Winch Cable Wrapping around Winch Drum (side view)

4. Thread the cable through every Drop Tube to support the cable and keep it in position. See Figure 43.

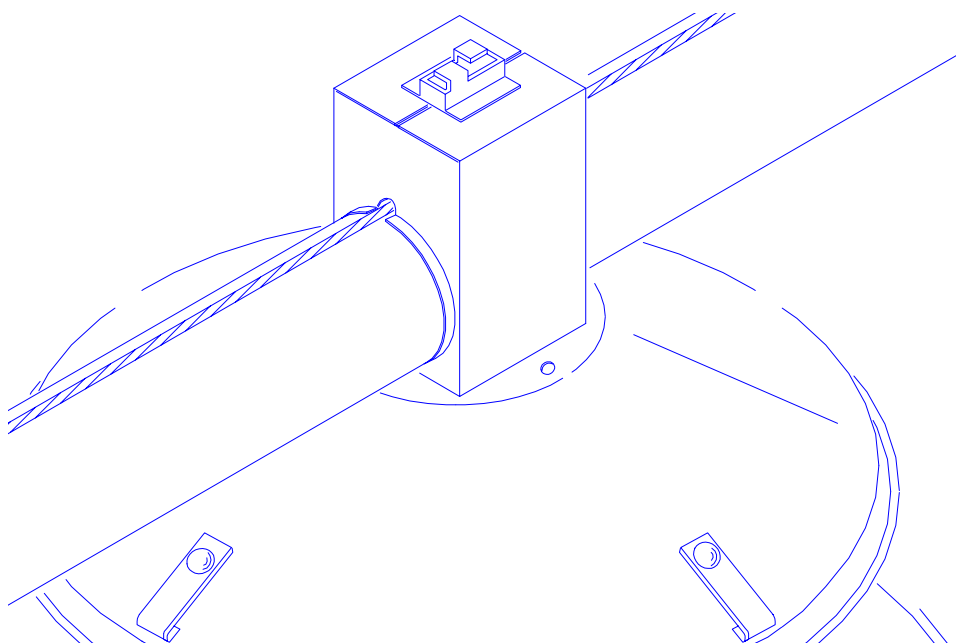


Figure 43. Winch Cable Routing

5. Loop the cable around the end of the Spring and secure with a cable clamp. See Figure 44.
- After both ends of the cable are attached to the

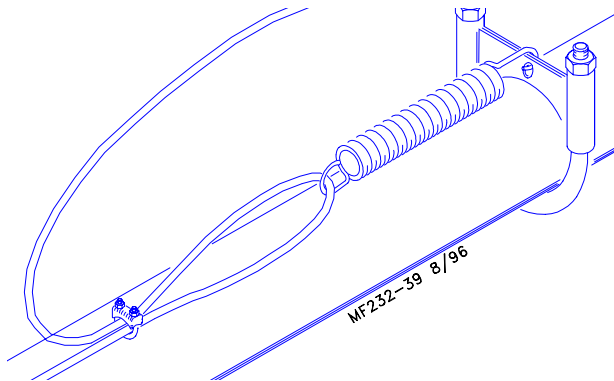


Figure 44.

6. There is not enough room between the feed hopper and the first feeder pan to attach and stretch the spring. Install the spring in between the first and second pan after the hopper. Then route the cable back to the first pan and attach to the feed tube cable assemblies. See Figure 45.

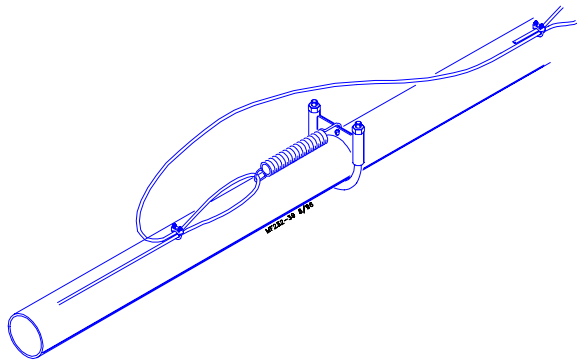


Figure 45.

7. Install two cable assemblies at each feed level tube (if the cable assemblies have not yet been installed). The cable stop should be on the inside of the feed level tube and pulled up tight against the inside. See Figure 46.

Key	Description
1	Feed Level Ring Assembly
2	Cable Assembly

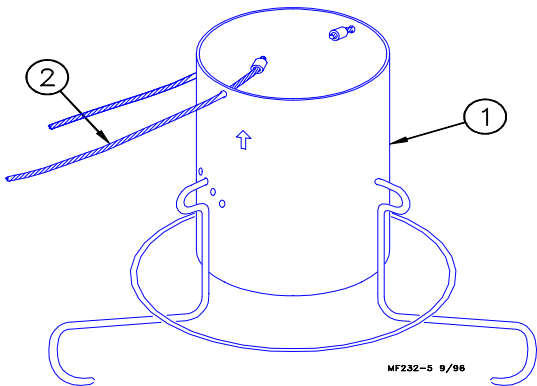


Figure 46.

8. Thread the cable assemblies through the holes on each side of the pan shield from the underside. Then clamp them to the master cable with a cable clamp. See Figure 47.

NOTE: Before clamping the cable assemblies to the cable, make sure that:

- a. The springs at each end of the cable are stretched approximately 8 inches (200 mm).
- b. The feed level tubes are raised as high as possible.
- c. The stop on the cable assemblies are pulled up against the inside of the feed level tube.

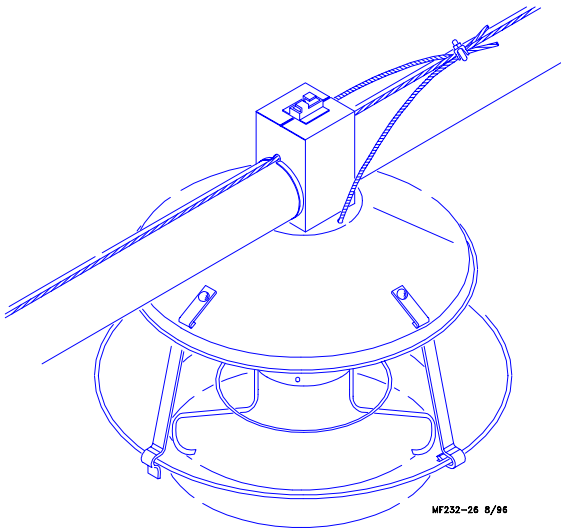
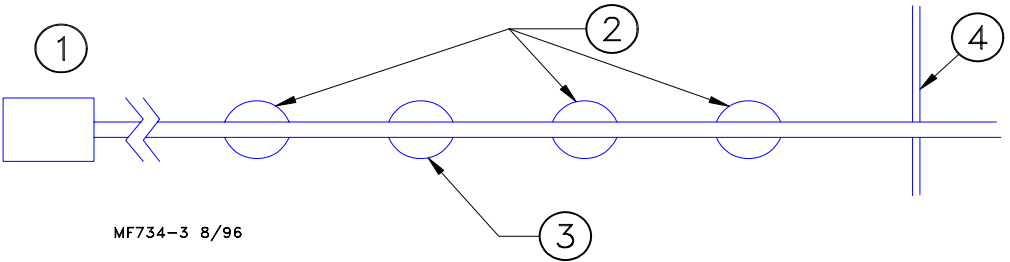


Figure 47.

Intermediate Control (Optional Equipment)

The Intermediate Control makes it possible to operate the feeding system when birds are confined away from the End Control Unit. Chore-Time recommends placing the Intermediate Control Feeder at least 2 pans away from the curtain or partition. See Figure 48.



Key	Description
1	Feed Hopper
2	Adult Turkey Feeder
3	Intermediate Control
4	Partition

Figure 48. Intermediate Control Installation (top view)

1. Determine which feeder tube and outlet hole will be used for the Intermediate Control. Slide an Intermediate Control into place on the tube.

Make sure the Intermediate Control is installed so that the switch is directly under the incoming supply of feed. See Figure 49.

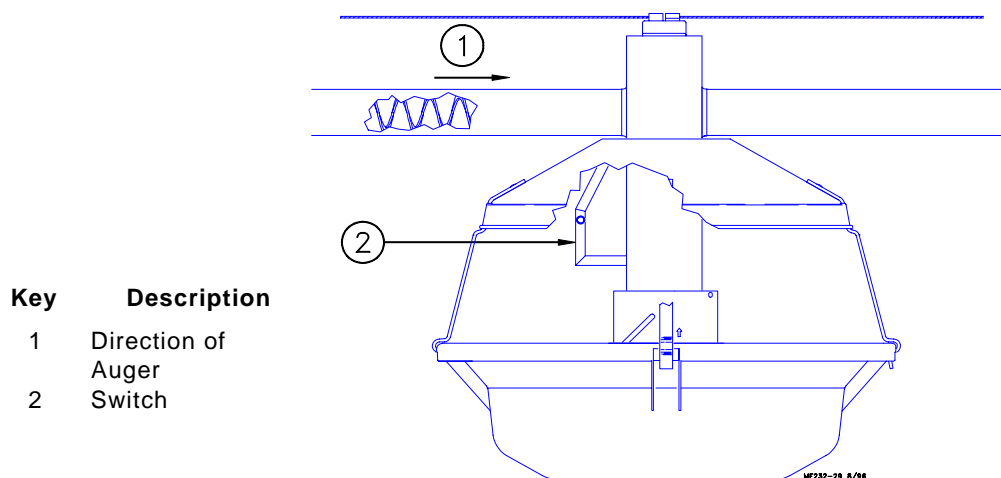


Figure 49. Orientation of Intermediate Control Switch (top view)

2. Install the Feed Ring and Feed Level Tube, similar to the standard feeders. The Intermediate Control serves as the Drop Tube Assembly.

If the feeders are to have the winchable Feed Level Tubes, install the necessary cables now. Refer to the section titled "Winch Adjustable Feed Level Tubes" on pages 28 - 31.

3. Install the Feeder Pan, Pan Shield, and other miscellaneous components, similar to the standard feeders.
4. The Feed Level Switch is factory adjusted. To check adjustment before assembling, depress the switch paddle and listen for the switch to "click". If the switch needs adjustment, refer to the maintenance section on pages 47 - 48.
5. Install a toggle switch, out of reach of the birds, to disconnect power to the Intermediate Control. This allows the Intermediate Control to serve as standard feeder when not used as a control feeder.
6. Wire the Intermediate Control, as shown in the wiring diagram section of this manual.

Intermediate Control Operation

Chore-Time recommends having a toggle switch wired into the system to allow the feeder line to be changed from full house brooding to partial house brooding.

Maintain a lower feed level in the Intermediate Control than in the rest of the feeders. This will cause the Intermediate Control Pan to operate more often, thereby starting the feeder line before the other pans become empty.

Do not hinder the bird movement around the Intermediate Control pan. Locate the curtain or partition several pans away from the Intermediate Control pan.

Provide adequate lighting so that the birds will not shy away from the Intermediate Control area.

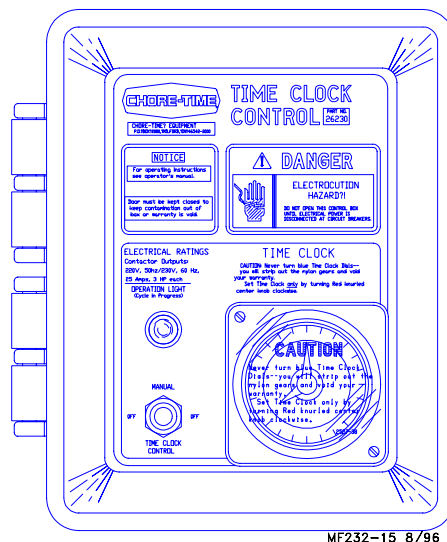
Control Installation (optional equipment)

The 26230 Time Clock Control consists of a single dial time clock and a 230 V. contactor, enclosed in a water-tight, dust-tight plastic box.

The Time Clock uses a permanent battery backup that will keep the clock on time for up to 150 hours, in the event of a power outage. The battery is not accessible and never needs to be replaced.

The Time Clock Control should be secured to a wall or post inside the building, near the entrance. Make sure the control is **not** installed within the reach of the birds.

See the instructions (MF861) shipped with the control for installation and operating information.



MF232-15 8/96

ATF Recommendations & Guidelines

The Chore-Time Adult Turkey Feeder is recommended for birds 5 to 6 weeks old and over. See the chart for feeder space recommendations.

Adult Tom Turkeys; to 28 pounds (12.7 kg) live weight, 45 to 50 birds per pan.

Hen Turkeys: to 18 pounds (8.2 kg) live weight, 70 to 80 birds per pan.

Operate the equipment, if possible, before birds are housed to check installation, switch operation, and fill the feeder lines with feed.

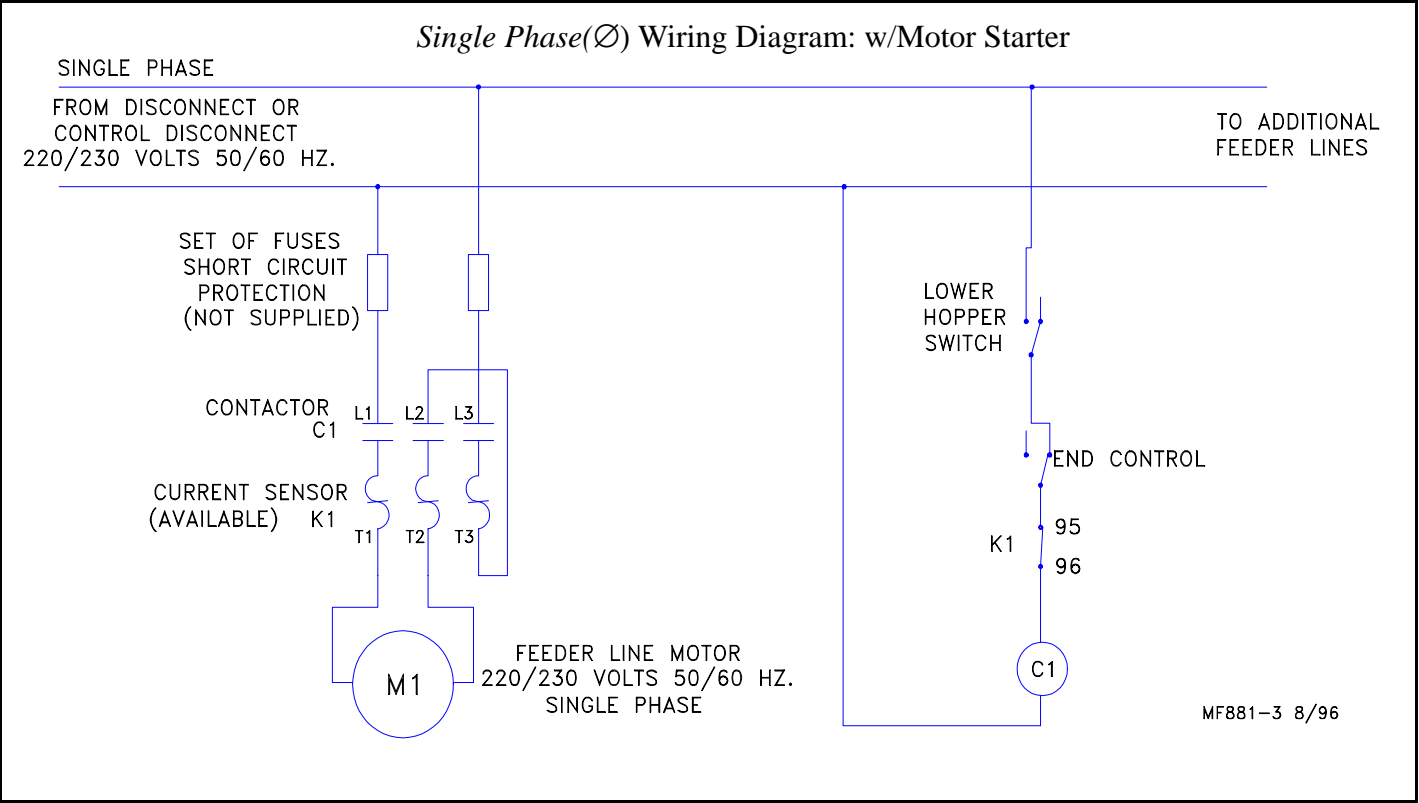
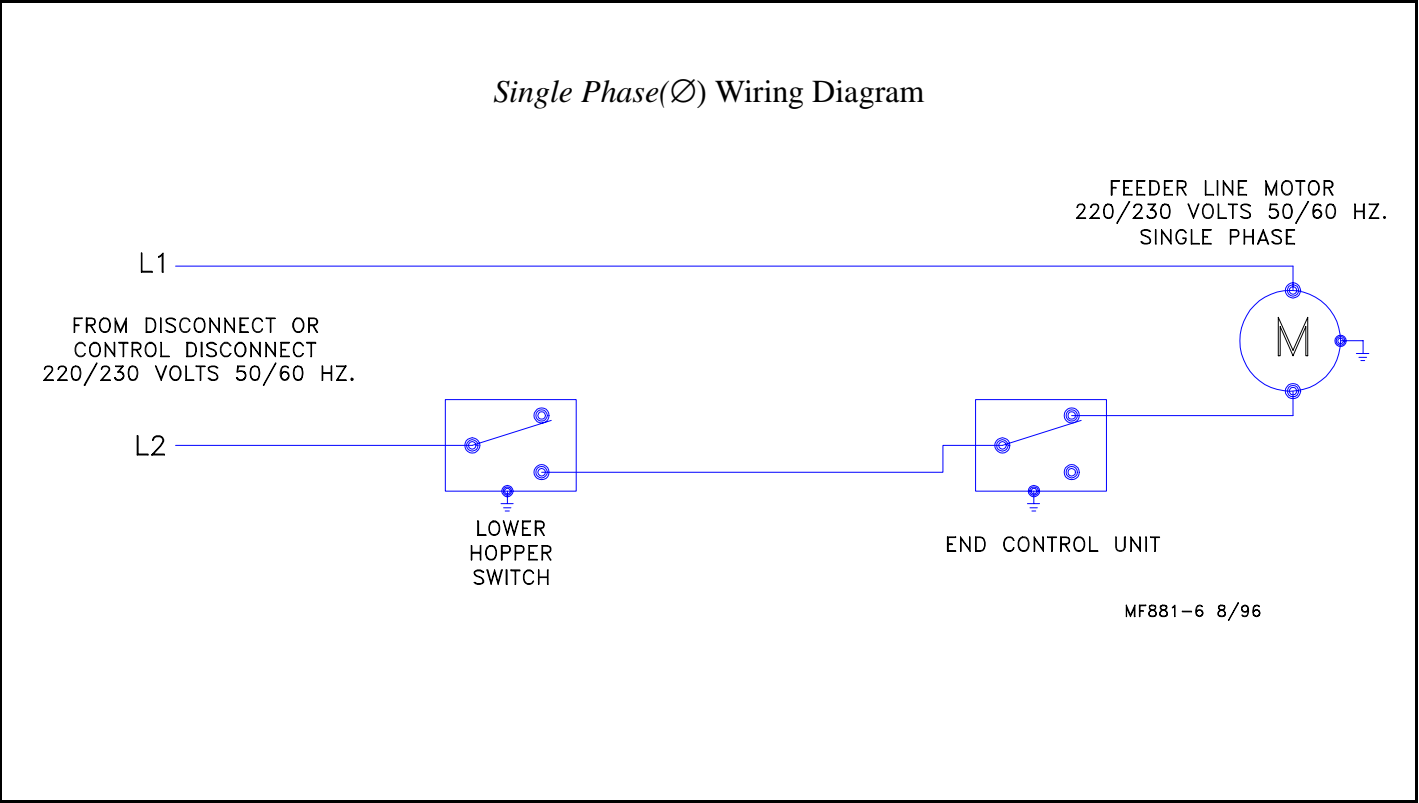
The oil coating on new auger will cause the auger to deliver feed at a slower rate. To reduce the load on the motor while the equipment is being broken in, auger 50 pound (20 kg) increments of feed out to the pans. Allow the system to run for approximately 30 seconds, then add another 50 pounds (20 kg) of feed. Repeat this procedure until feed has been supplied to all the pans. Do not feed grit with the Adult Turkey Feeder.

Birds avoid dark or cold areas. Do not locate a Control Unit or Intermediate Control in such an area. Also, do not locate the Control Unit close to the end of the building. Allow a minimum of 10 feet (3 m) between the Control Unit and the building wall. If these problems are anticipated, they can be corrected during installation. Otherwise, artificial lighting can partially correct the problem.

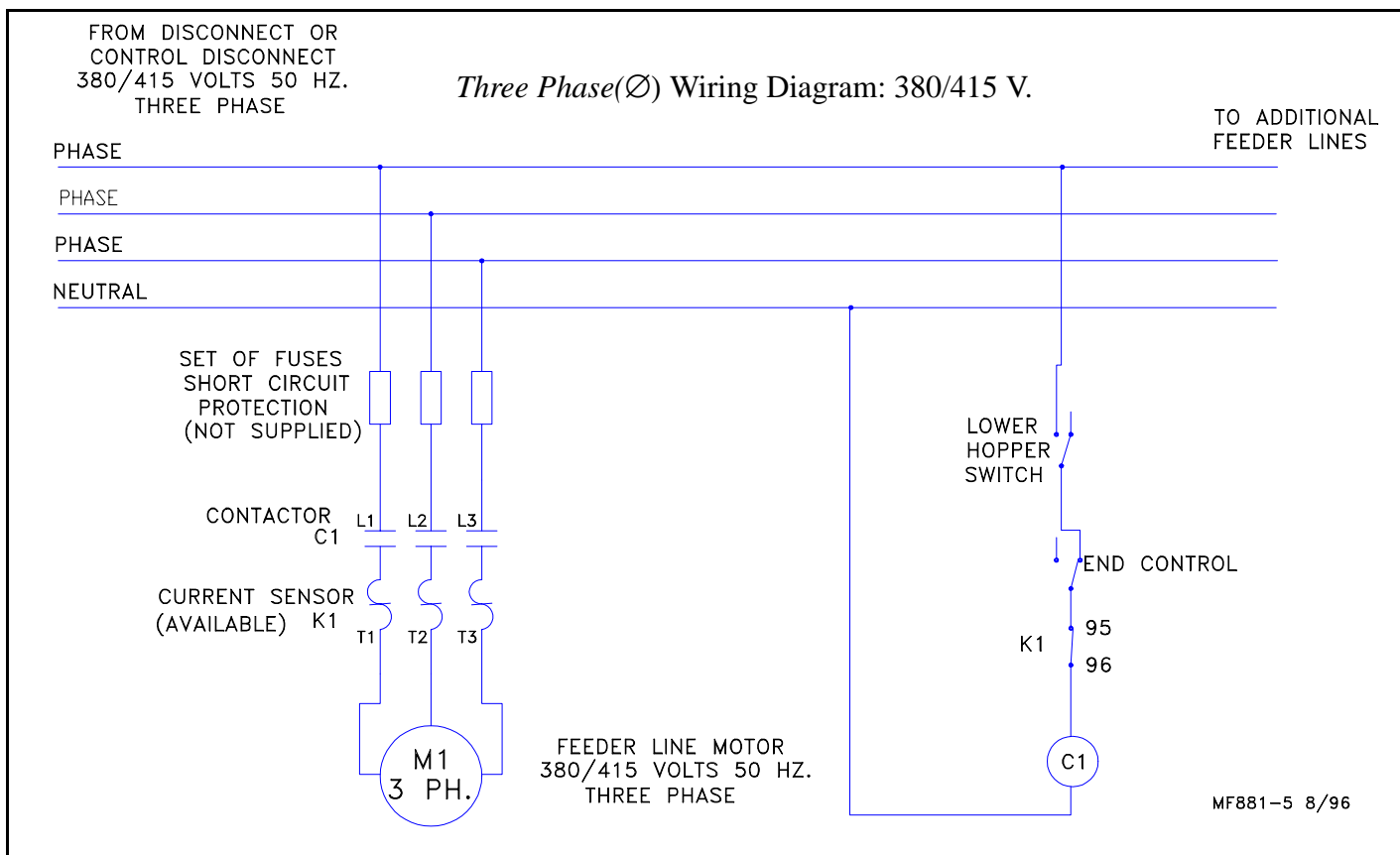
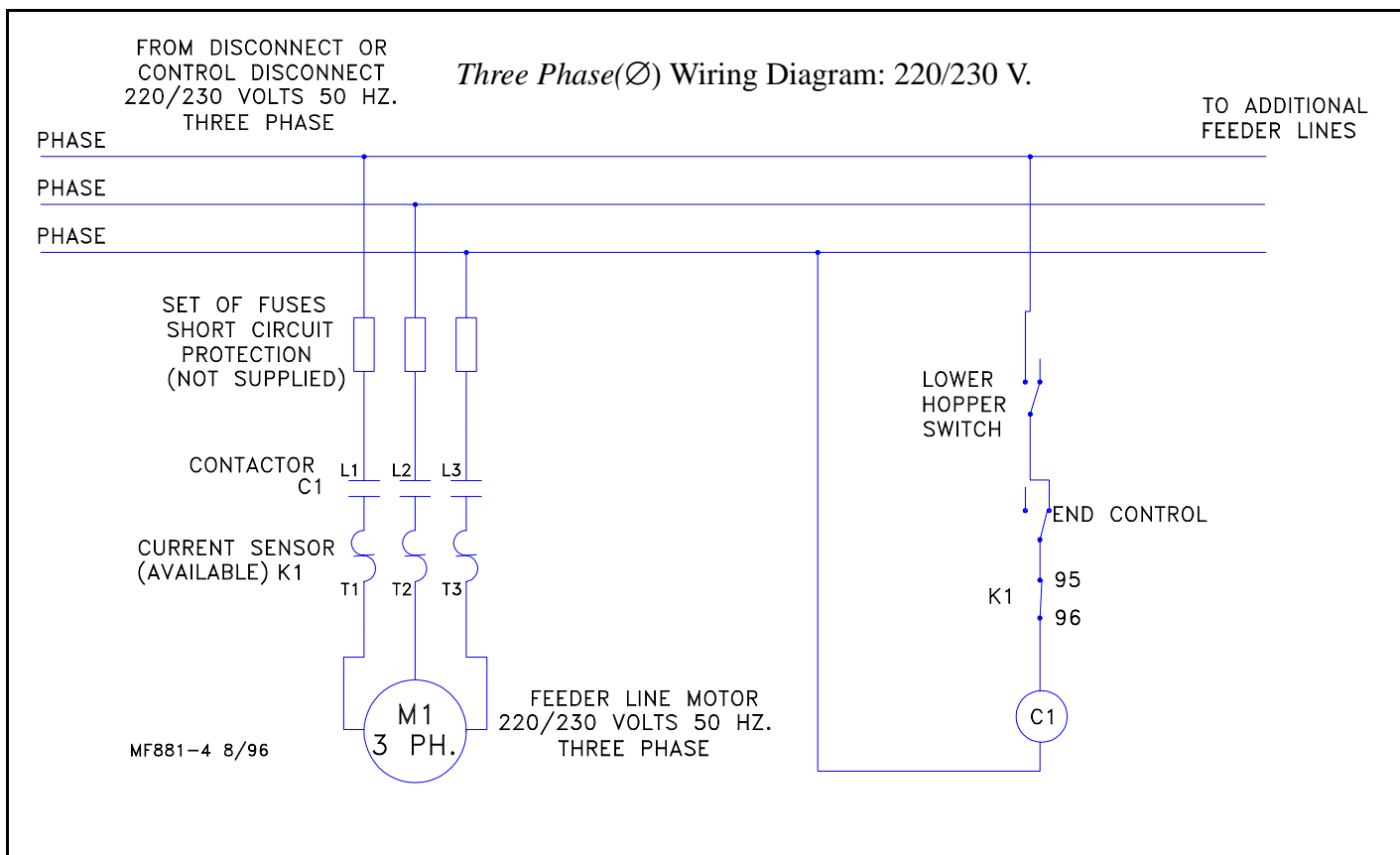
During the break-in period, check the feed level in the pans. Normally, 1" to 1-1/2" (25 to 38 mm) of feed in the pan controls feed waste. When birds are housed, monitor the feed level in the pans and adjust as needed. Note: When birds are debeaked, a deeper feed level is required. Adjust the feed level by raising or lowering the Feed Level Tube in the Feed Level Ring.

The height of the feeder line can be adjusted easily and it should be raised periodically as birds grow. Keep the lip of the pan approximately at the point where the bird's neck joins the breast so that the birds must reach slightly. For the average 20 pound (9.1 kg) turkey, this will put the lip of the pan about 16 to 18 inches (405 to 455 mm) above the floor. Keeping the pans high results in less feed waste, less litter in pans, and easier bird movement.

End & Intermediate Control Wiring Diagrams: Single Phase(Ø)



End & Intermediate Control Wiring Diagrams: Three Phase(Ø)



WIRING CONNECTION DIAGRAM FOR 26230 TIME CLOCK CONTROL

220 V. 50/60 Hz. Single Phase(Ø)

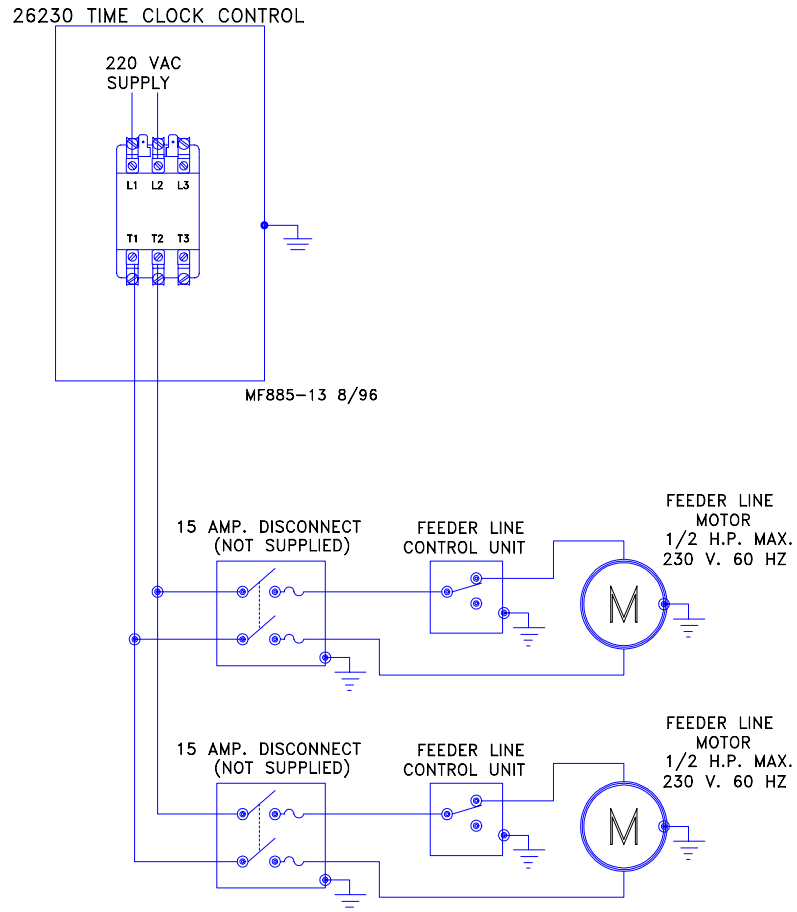
Mount the time clock in a convenient location for easy access. If possible, locate it away from the birds to keep it clean.

Be sure to ground all electrical equipment.

Use water-tight connectors to run wires in and out of the control box. Water tight connectors may be ordered through Chore-Time or obtained locally.

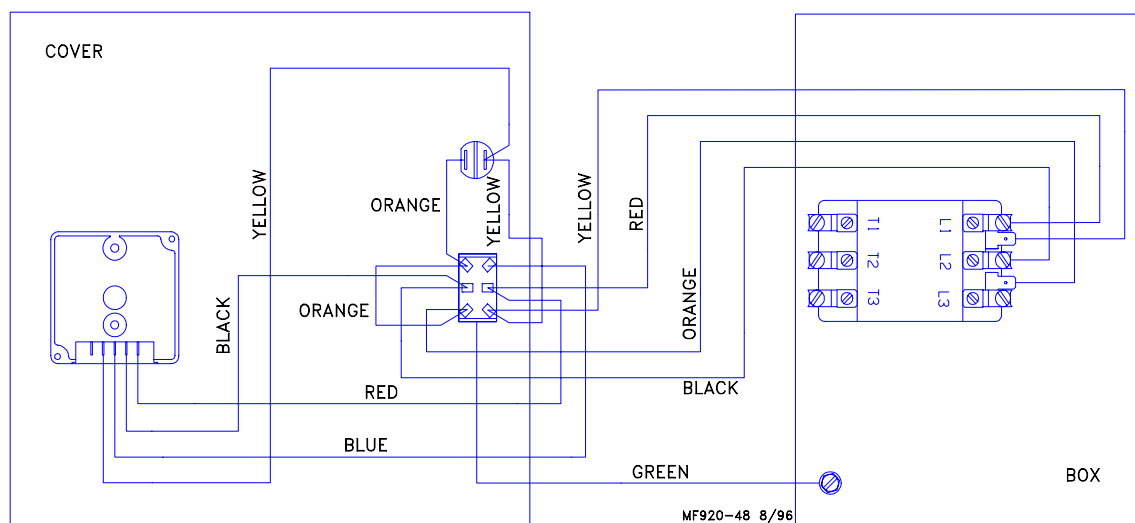
Supply 220 VAC to L1 and L2 on the contactor.

Wire the feeder line motors to T1 and T2 on the contactor.



INTERNAL WIRING DIAGRAM FOR 26230 TIME CLOCK CONTROL

220 V. 50/60 Hz. Single Phase(Ø)



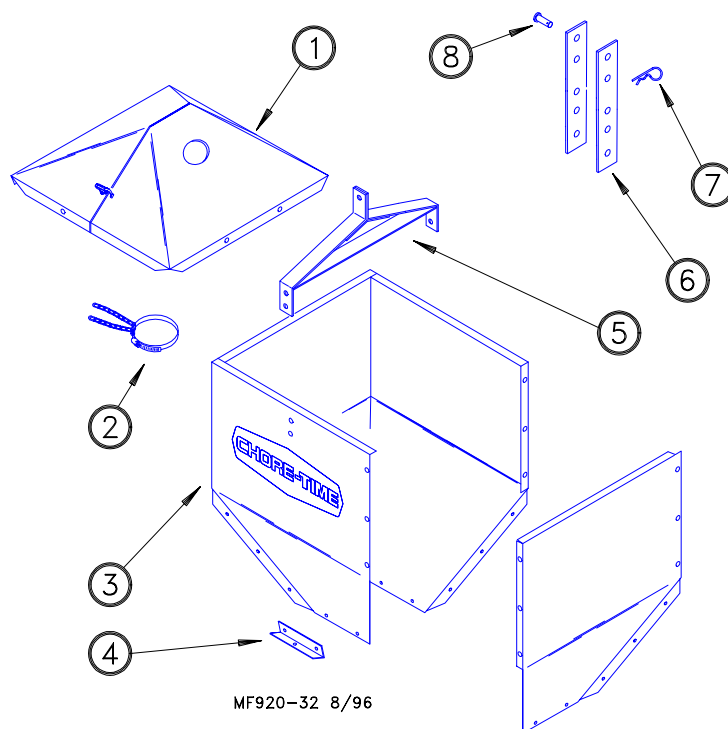
200# Hopper Components

Item	Description	Part No.
1*	Hopper Cover (w/o hole)	28208
	Hopper Cover (w/ hole)	28207
2	Tube Support Assembly	14367
	Clamp	13948
	Chain	2128-1
3	Hopper Side (4 req'd)	2680
4	Boot Hanger	2671
5	Hanger Bracket Assembly	2681
6	Adjustment Bracket (2 req'd)	2706
7	Hair Pin	2664
8	Clevis Pin, 5/16 x 1"	2797-1

The 200# Hopper Assembly (w/o cover) may be ordered under Part No. 7941.

The 200# Hopper Assembly (w/ cover) may be ordered under Part No. 28358.

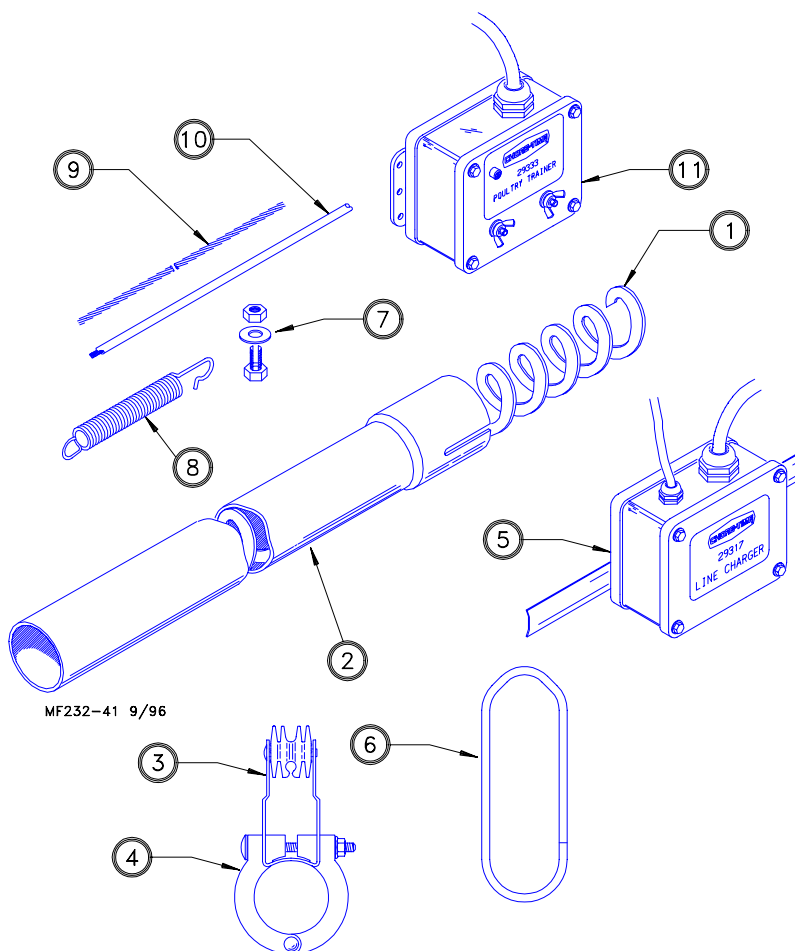
*Both sides of the Hopper Cover and the required hardware may be ordered under Part No. 28206.



Feeder Line Components

Item	Description	Part No.
1*	Auger	6820-0
2	ATF Auger Tube (1-Hole Tube)	6684
	ATF Auger Tube (2-Hole Tube)	6685
	ATF Auger Tube (3-Hole Tube)	6686
3	Anti-Roost Bracket	29516
4	Clamp	29520
5	Line Charger	29317
6	Hanger	4207
7	3/32" Cable Clamp	1826
8	Spring	7551
9	3/32" Cable	4973
10	Charger Wire (165 ft.)	28994-165
	Charger Wire (330 ft.)	28994-330
11	Poultry Trainer	29333

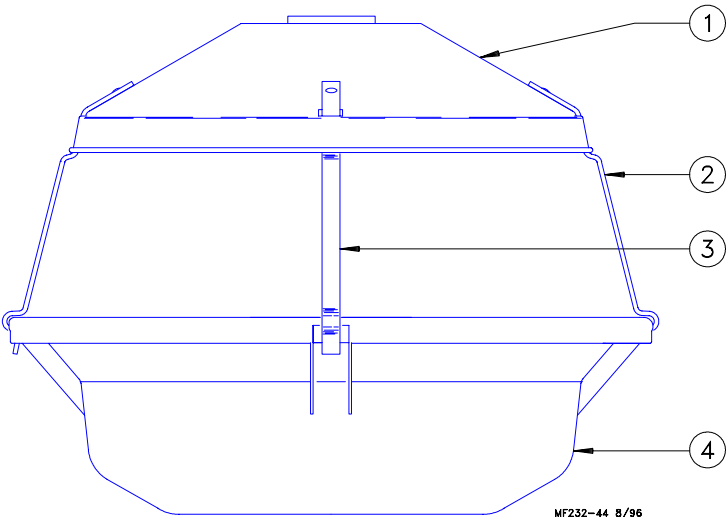
*Round up to the nearest 10'. Auger lengths from 50 to 500 feet. Example: 6820-200 would be a 200' roll of 6820 Auger.



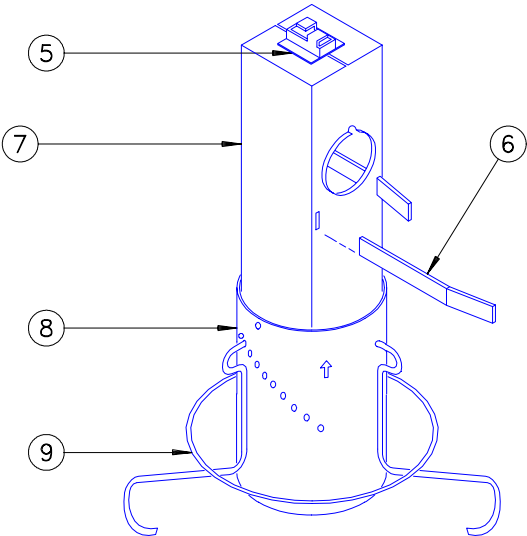
Adult Turkey Feeder Components

Item	Description	Part No.
1	Pan Shield	4192
2	Swing Down Pan Support	24274
3	Pan Support	4199
4	ATF Plastic Feeder Pan	29000
5*	Insulator	5754
6	Pan Shield Support	6443
7*	Drop Tube	5758
8	Feed Level Tube	4194
9	Feed Level Ring	29320

*These Items (#5 & #7) may be ordered as an assembly under Chore-Time Part No. 5806.



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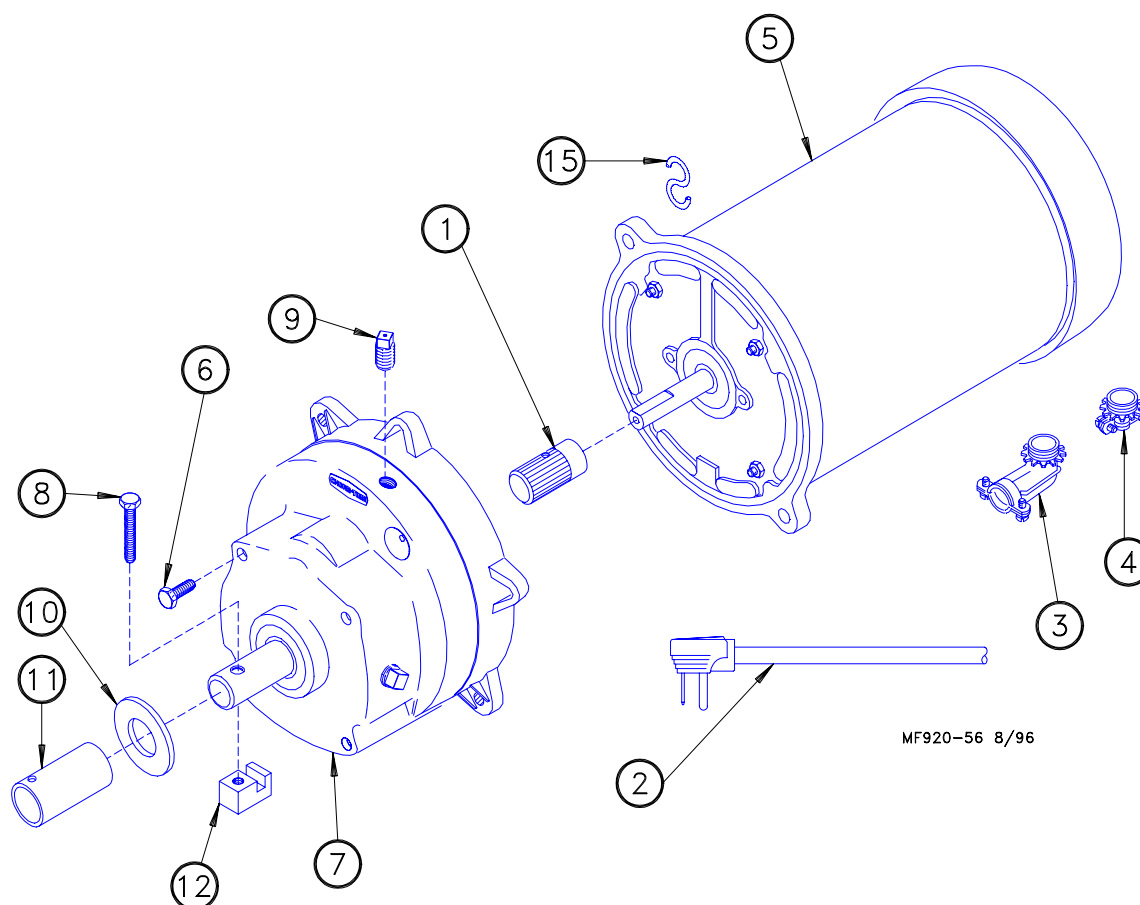


ATF Power Unit Components

		3259-34	3259-39	3259-98	3259-100
<u>Item</u>	<u>Description</u>	<u>Part No.</u>	<u>Part No.</u>	<u>Part No.</u>	<u>Part No.</u>
1	Pinion Assembly	5046	5046	5046	5046
2	Cord Assembly	----	----	28028	----
3	Connector (90 Degree)	4228	4228	4228	----
4	Connector (Romex)	----	----	----	----
5	Motor	4229	5703	5977	28031
6	5/16-18x5/8 Hex Hd Screw	4412-1	4412-1	4412-1	4412-1
7	Gearhead	3261-5	3261-5	3261-11	3261-11
8	1/4-20x1-1/2 Hex Hd Screw	5083-8	5083-8	5083-8	5083-8
9	Pipe Plug	3516	3516	3516	3516
10	Flat Washer	1484	1484	1484	1484
11	Drive Tube Connector	1048	1048	1048	1048
12	Driver Block	4642	4642	4642	4642
15	"S" Hook	4270	4270	4270	4270

Power Unit Assembly Part Numbers:

<u>Part Number</u>	<u>HP</u>	<u>RPM</u>	<u>Phase</u>	<u>Hz</u>	<u>Voltage</u>	<u>Usages</u>
3259-34	1/3 HP	348 RPM	Single Phase	60 Hz	230	Use with both Control Units
3259-39	1/2 HP	348 RPM	Single Phase	60 Hz	230	Use with both Control Units
3259-98	1/2 HP	348 RPM	Single Phase	50 Hz	230	Use with both Control Units
3259-100	1/2 HP	348 RPM	Three Phase	50 Hz	220/380	Use with both Control Units

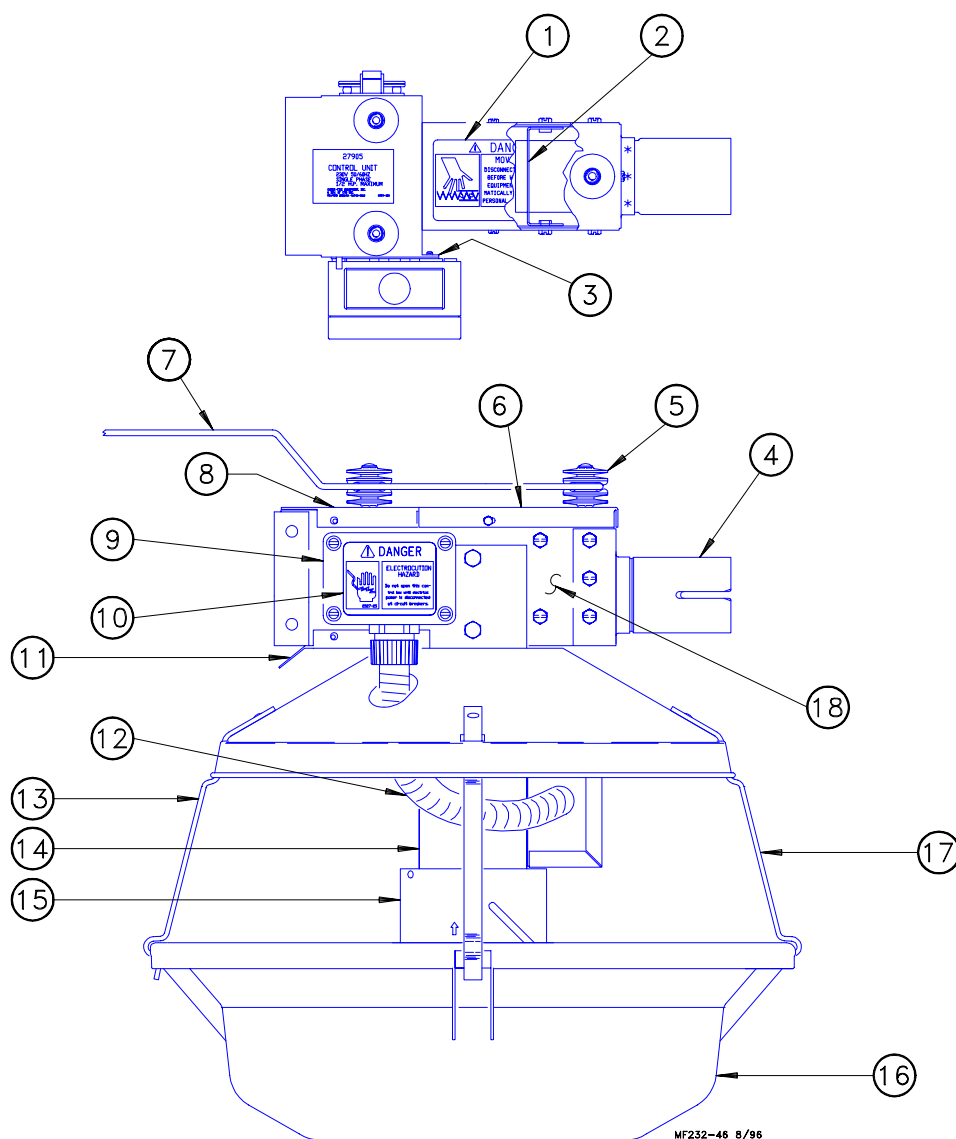


ATF Control Unit Components: Part No. 27905

<u>Item</u>	<u>Description</u>	<u>Part No.</u>	<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1**	Danger Decal	2527-9	14*	Drop Tube Assembly	28072
2**	Tube Support	27891	15	Feed Level Tube Assembly	4341
3**	Mount Plate	28615	16	ATF Plastic Feeder Pan	29000
4**	Stub Tube Weldment	27900	17	Swing Down Pan Support	24274
5**	Insulator	2976	18**	Control Body	27889
6**	Body Cover	27942	--	Anchor Plate	4188
7	Anti-Roost Guard	2798			
8**	Safety Cover Assembly	27941			
9**	Weatherproof Box	28660			
10**	Danger Decal	2527-25			
11**	Bottom Plate	27893			
12	Conduit Assembly	27974			
13	Pan Support	4199			

*See separate Parts List for Drop Tube Assembly on page 34.

**These components may be ordered as an assembly under Chore-Time Part No. 27770.



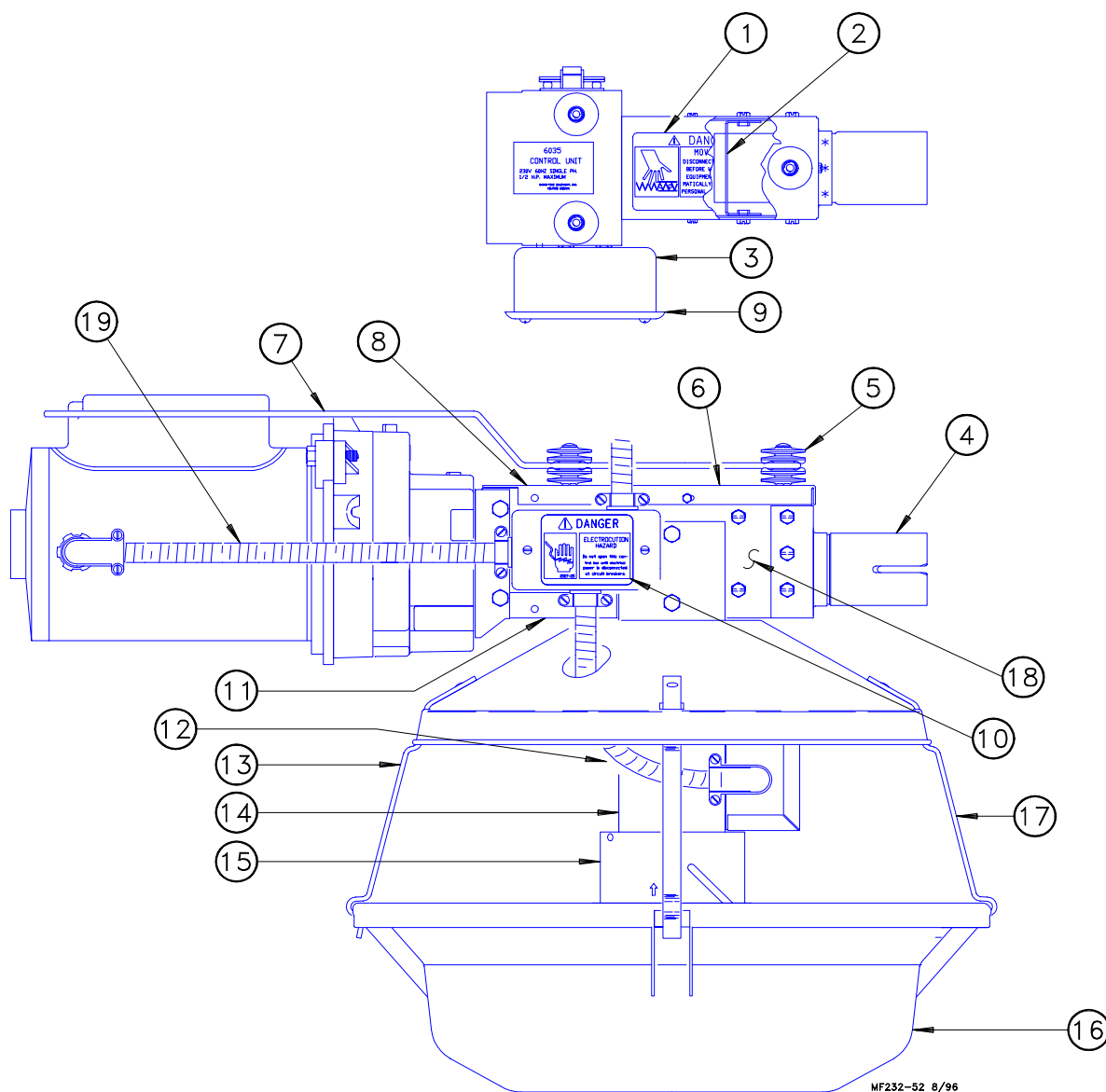
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ATF Control Unit Components: Part No. 6035

<u>Item</u>	<u>Description</u>	<u>Part No.</u>	<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1**	Danger Decal	2527-9	13	Pan Support	4199
2**	Tube Support	27891	14*	Drop Tube Assembly	6052
3**	Handy Box	1145	15	Feed Level Tube Assembly	4341
4**	Stub Tube Weldment	27900	16	ATF Plastic Feeder Pan	29000
5**	Insulator	2976	17	Swing Down Pan Support	24274
6**	Body Cover	27942	18**	Control Body	27889
7	Anti-Roost Guard	2798	19	3/8" Flexible Cable	20140-13
8**	Safety Cover Assembly	27941	--	Anchor Plate	4188
9**	Cover	711			
10**	Danger Decal	2527-25	*See separate Parts List for Drop Tube Assembly on page 34.		
11**	Bottom Plate	27893			
12	Conduit Assembly	20140-4			

*See separate Parts List for Drop Tube Assembly on page 34.

****These components may be ordered as an assembly under Chore-Time Part No. 27899.**



Drop Tube Assembly

Part No. 28072

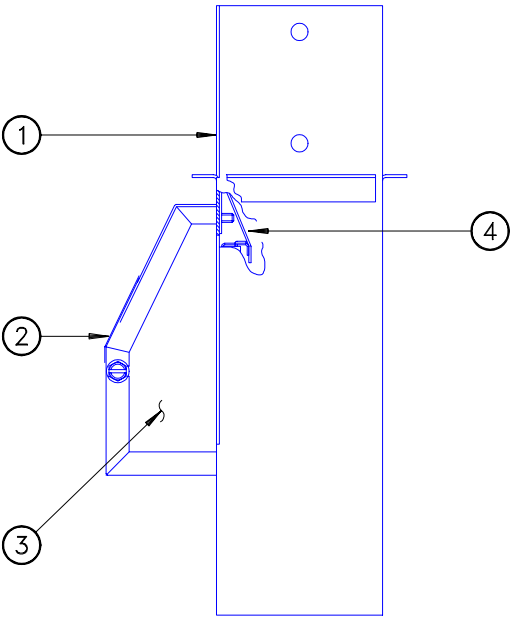
Item	Description	Part No.
1	Control Drop Tube Weldment	4180
2	Cover	6053
3*	Switch Assembly	6044-3
4	Guard Assembly	4892
5	90 Degree Connector	----
6	Switch Bracket Assembly	6045
7	Barrier	6936
8	3/8 Flex Connector	----
9	Anti-Short Bushing	----
10	Conduit Assembly	27866
11	Paddle	4890
12	Diaphragm Assembly	4889
13	Spacer Plate	4921
14	Actuator Switch	6049
15	Housing	6048
16	Torsion Spring	5820

*Individual components include Items 5 thru 16.

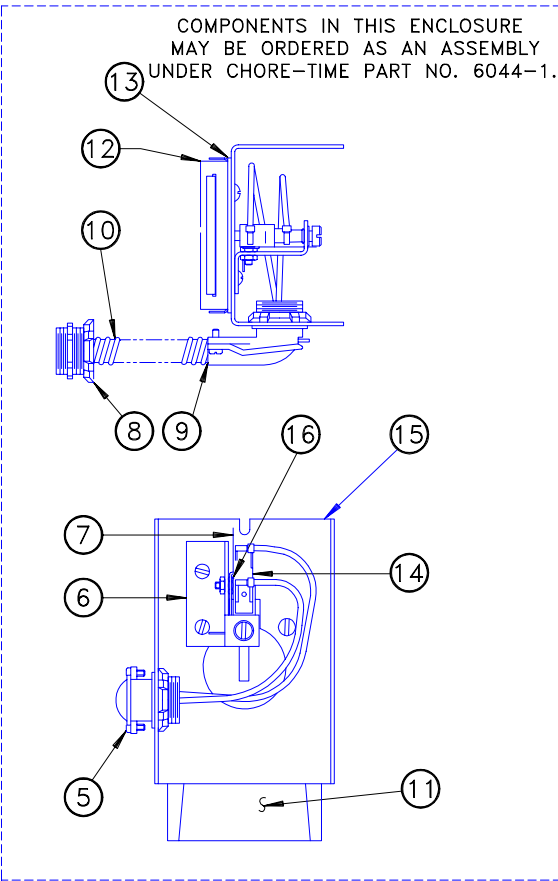
Part No. 6052

Item	Description	Part No.
1	Control Drop Tube Weldment	4180
2	Cover	6053
3*	Switch Assembly	6044-1
4	Guard Assembly	4892
5	90 Degree Connector	4228
6	Switch Bracket Assembly	6045
7	Barrier	6936
8	3/8 Flex Connector	6042
9	Anti-Short Bushing	6304
10	Flexible Cable	20140-4
11	Paddle	4890
12	Diaphragm Assembly	4889
13	Spacer Plate	4921
14	Actuator Switch	6049
15	Housing	6048
16	Torsion Spring	5820

*Individual components include Items 5 thru 16.



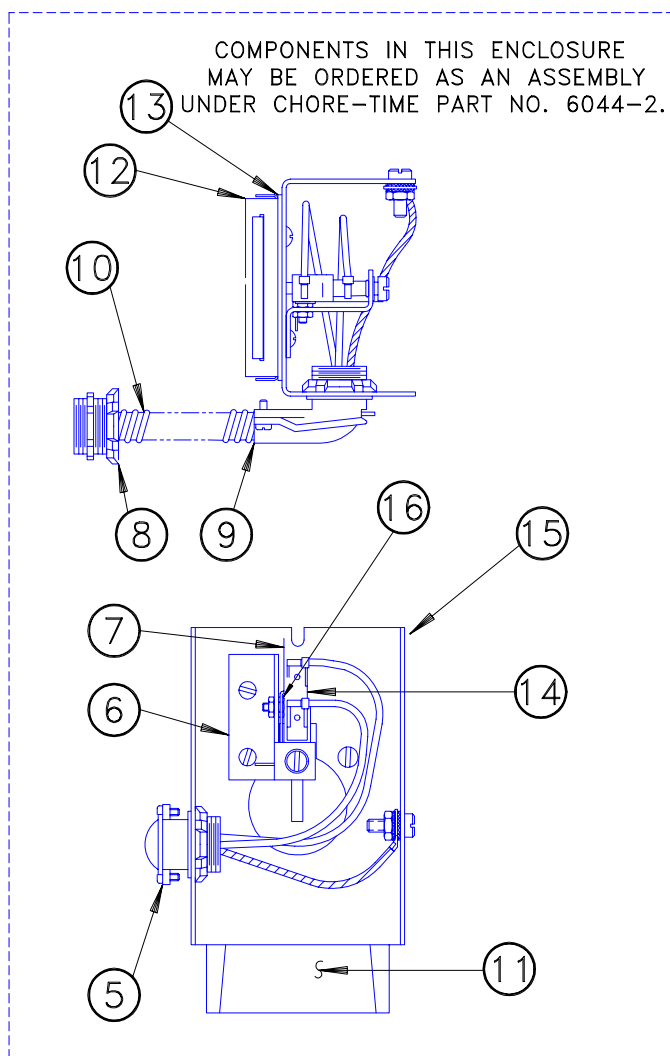
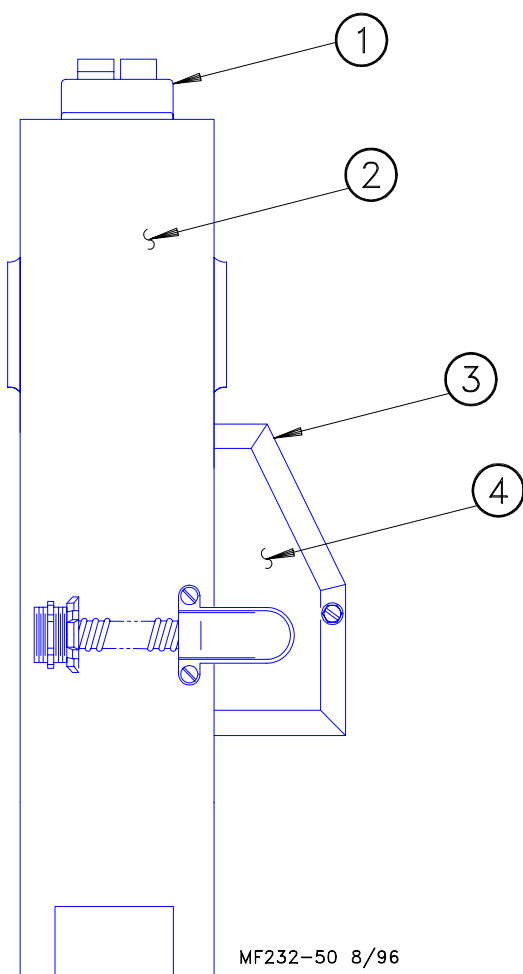
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ATF Intermediate Control: Part No. 6039

Item	Description	Part No.	Item	Description	Part No.
1	Insulator (ATF)	5754	9	Anti-Short Bushing	6304
2	Drop Tube Weldment	6446	10	Flex Cable	20140-5
3	Cover	6053	11	Paddle	4890
4*	Switch	6044-2	12	Diaphragm Assembly	4889
5	90 Degree Connector	4228	13	Spacer Plate	4921
6	Switch Bracket Assembly	6045	14	Actuator Switch	6049
7	Barrier	6936	15	Housing	6048
8	3/8" Flex Connector	6042	16	Torsion Spring	5820
			--	Guard Assembly	6771

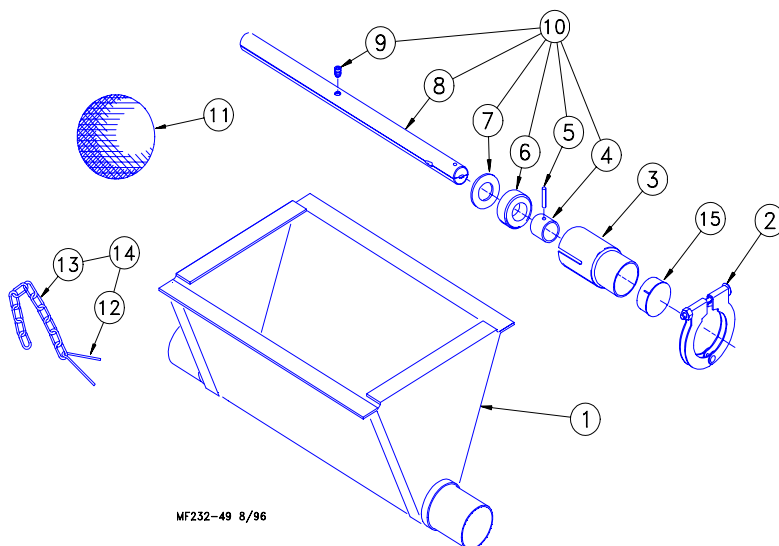
*Individual components include Items 5 thru 16.



Single Boot Components

Part No. 6821

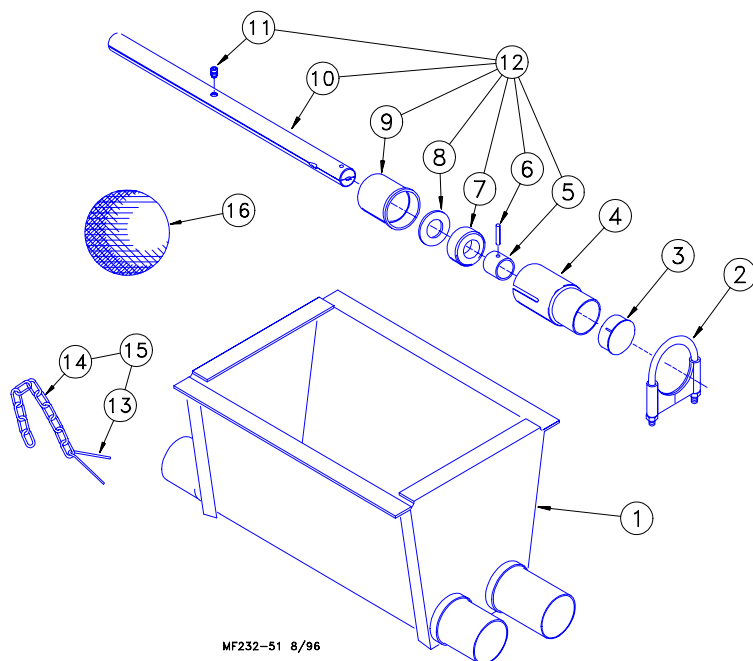
<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Boot Weldment	4224
2	Tube Clamp	24062
3	Outlet Tube	4556
4	Sleeve	5648
5	3/16 x 1" Pin	2960-1
6	Bearing	2689
7	Washer	2955-14
8	Anchor	6818
9	Setscrew	1174
10	Anchor and Bearing Ass'y	6817
11	Cannonball	3531
12	Cotter Pin	1639
13	Chain	2128-1
14	Latch Pin Ass'y	2683
15	Cap	29373
--	Danger Decal	2527-9



Twin Boot Components

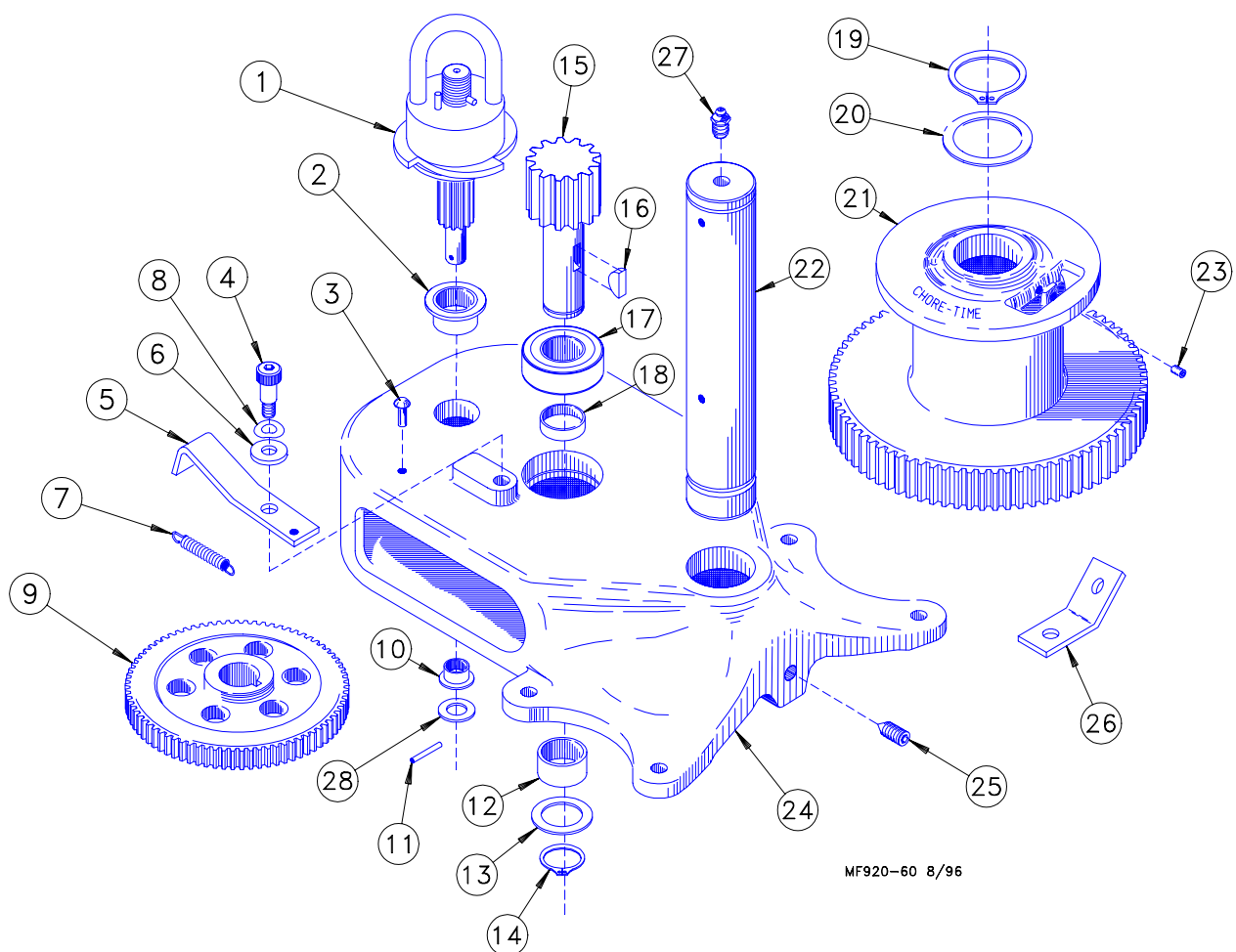
Part No. 8460

<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Boot Weldment	8461
2	Tube Clamp	29520
3	Cap	29523
4	Stub Tube	4163
5	Sleeve	5648
6	3/16 x 1" Pin	2960-1
7	Bearing	29433
8	Washer	2955-14
9	Bearing Retainer	29441
10	Anchor	29526
11	Setscrew	1174
12	Anchor and Bearing Ass'y	29530
13	Cotter Pin	1639
14	Chain	2128-1
15	Latch Pin Ass'y	2683
16	Cannonball	3531
--	Danger Decal	2527-9



2883 Power Winch

<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Input Shaft Assembly	14885
2	Flange Bushing	2967-2
3	Drive Stud	4128-1
4	Shoulder Bolt	4022-2
5	Pawl	6672
6	Spring Washer	4023
7	Spring	1543
8	5/16" Flat Washer	2255-44
9	Intermediate Gear	2890
10	Flange Bushing	3252
11	Spirol Pin	2960-3
12	Bushing	2967-4
13	Washer	2955-1
14	Retaining Ring	2958-1
15	Drive Pinion	2962
16	Woodruff Key	2959
17	1" Bearing	4937
18	Spacer	4936
19	Retaining Ring	3556
20	Washer	2955-2
21	Winch Drum	3723
22	Drum Shaft	3637
23	Setscrew	603
24	Winch Frame	3719
25	Setscrew	3727
26	Cable Hook	2985
27	Grease Zerk	24499
28	Washer	2499



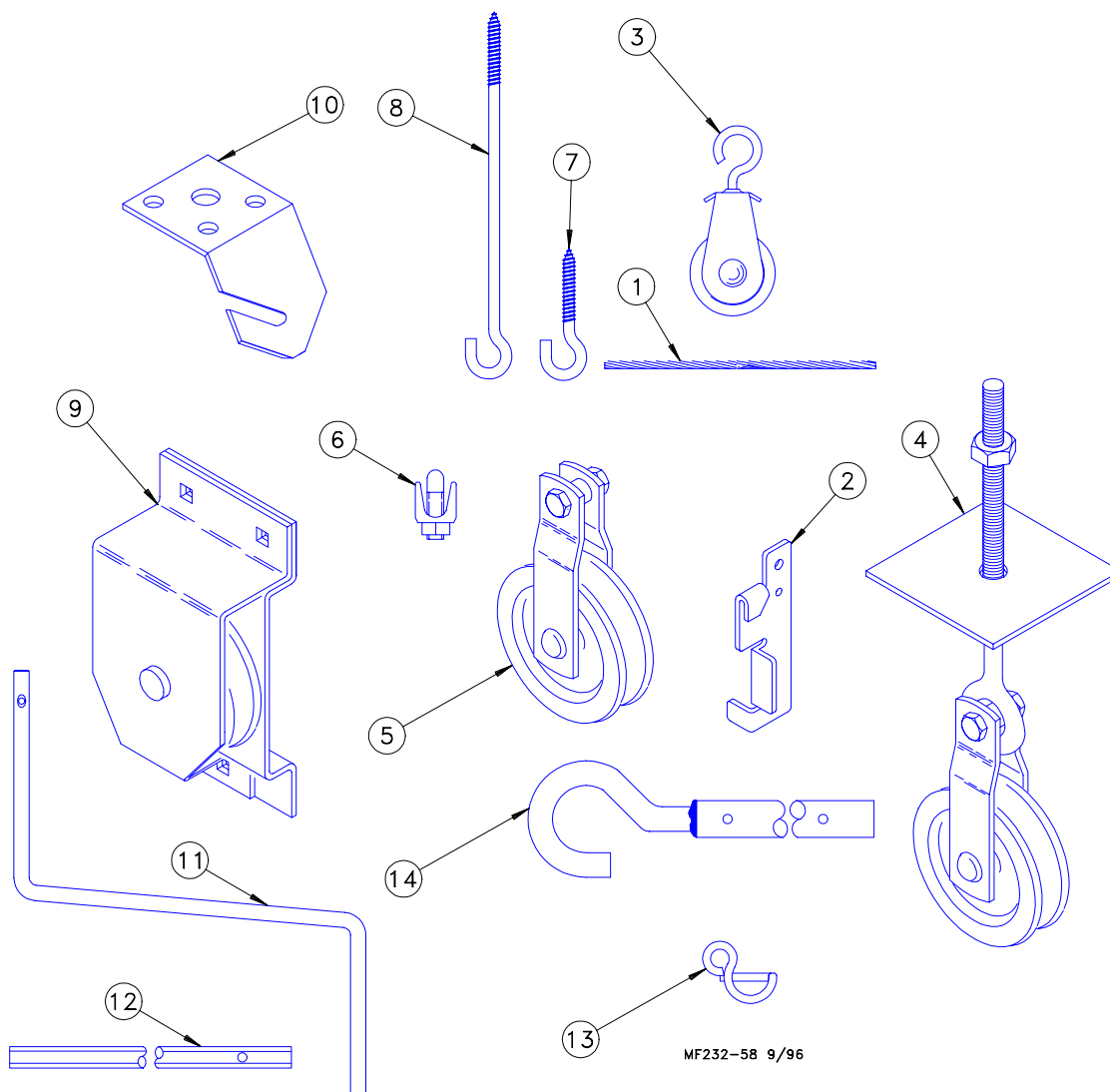
MF920-60 8/96

Miscellaneous Suspension Components

<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	3/16 Cable	1213
2	Cable Lock	14337
3	Pulley with Swivel	3004
4	Heavy Duty Pulley Assembly	2014
5	Pulley	2500
6	3/16" Cable Clamp	732
7	ATF Screw Hook	2041
8	7" Screw Hook	28357
9	Pulley Assembly	28429
10	Ceiling Hook	28550
11	Handle Shank	3148
12	Drill Adapter Shaft	2886
13	Winch Handle Pin	3761
14	Winch Drive Tube (4')	2884-1
	Winch Drive Tube (8')	2884-2
--	Full Line Suspension Kit	7948

Item 11 and Item 13 may be ordered as a kit under Part No. 2885.

Item 12 and Item 13 may be ordered as a kit under Part No. 2886.



Maintaining the Adult Turkey Feeder

The Adult Turkey Feeders require minimum maintenance. However, a routine periodic inspection of the equipment will prevent unnecessary problems.

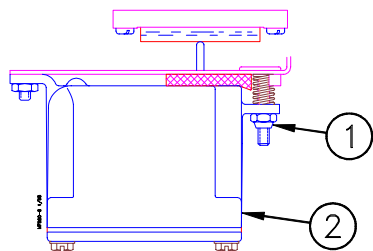
Maintenance should be done by a qualified technician.

ALWAYS DISCONNECT POWER TO THE SYSTEM WHEN SERVICING OR MAINTAINING THE EQUIPMENT. FAILURE TO DISCONNECT POWER MAY CAUSE INJURY OR DEATH.

- 1. Check the oil level in the gear heads at installation and every 6 months. The Pipe Plug, on the side of the gear head, indicates proper oil level. Add SAE 40W oil when necessary.

The oil in the gearheads should be replaced every 12 months with new SAE 40W oil.

- A. Remove the bottom Pipe Plug to drain the oil. Discard used oil in accordance with local and national codes.
 - B. Wipe any debris off the magnet on the bottom Pipe Plug and reinstall. Remove the side Pipe Plug and (top) Vent Plug.
 - C. Set the power unit in the horizontal position.
 - D. 2-Stage Gearheads: Add approximately 9 oz. (266 ml) of SAE 40W oil through top hole. This should be just enough oil to reach the side Pipe Plug.
3-Stage Gearheads (3261-9, 3261-12, 3261-14): Add approximately 13 oz. (384 ml) of SAE 40W oil through top hole. This should be just enough oil to reach the side Pipe Plug.
 - E. Install the side Pipe Plug and (top) Vent Plug.
- 2. Check equipment for loose hardware every 6 months--including the Anchor Block. Tighten if necessary.
 - 3. Switch Adjustment procedure for the Control Units:
 - A. Turn the adjustment nut counter-clockwise until the switch clicks.
 - B. Turn the adjustment nut clockwise until the switch clicks.
 - C. Turn the adjustment nut counter-clockwise 3/4 turn.
 - 4. Keep anti-roost cables tightly stretched. This increases the effectiveness of the electro-guard anti-roost system and keep the pans from being tilted when birds push against them.



Key	Description
1	Adjustment Nut
2	Switch Box

- 5. Remove all feed from the feeder when there are no birds in the house and when the building is washed and disinfected.

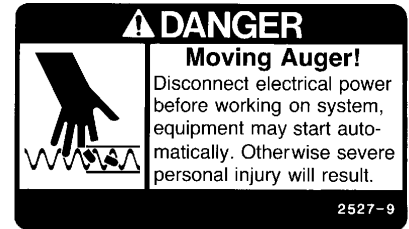
Turn the feeders off prior to removing the birds from the house. This will allow them to clean the feed out of the pans.

- 6. If the system is not to be used for an extended period of time, remove all the feed from the feeder lines and feeder pans.

Disconnect power to the system to prevent accidentally starting the system.

7. If the system must be disassembled, extreme caution must be used to prevent injury from springing auger.
 - A. Disconnect power to the entire system.
 - B. Pull the Anchor and Bearing Assembly and approximately 18" (45 cm) of auger out of the boot.
 - C. Place a clamp or locking pliers on the auger to prevent it from springing back into the auger tubes.
 - D. Remove the Anchor & Bearing Assembly.
 - E. Carefully remove the locking pliers.

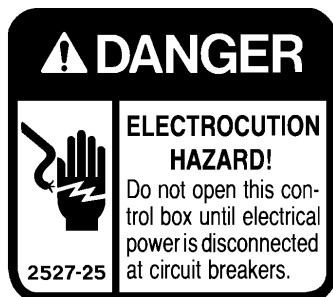
CAUTION: Stand clear...the auger may spring back into the tubes.
 - F. Remove system components in the opposite order they were installed, according to this manual.
8. Grease the winch every 6 months with 1 to 2 shots of common industrial or automotive grease. DO NOT OVER GREASE THE WINCH.
9. Remove any feed build-up in the Safety Switch Boxes in the Control Units.
10. It may be necessary to periodically retighten the shocker cable. Be sure to disconnect power to the shocker before servicing the equipment.



Trouble Shooting the Adult Turkey Feeder

ALWAYS DISCONNECT POWER TO THE SYSTEM WHEN SERVICING OR MAINTAINING THE EQUIPMENT. FAILURE TO DISCONNECT POWER MAY CAUSE INJURY OR DEATH.

Service and maintenance work should be done by a qualified technician only.



Problem	Possible Cause	Corrective Action
None of the feeder lines will operate.	No power supplied to equipment.	Replace burned fuses or reset circuit breaker Make sure voltage required is supplied.
	Time Clock or relay defective.	Replace Time Clock or relay.
	Time Clock improperly programmed.	Refer to Programming the Time Clock section and reprogram the time clock.
Feeder line will not operate.	Power unit cord not plugged in sufficiently to make contact.	Check motor cord plug at control unit and control unit plug at outlet for connection.
	Motor cord wires are broken at plug or where cord enters motor.	Check cord for continuity. Replace if defective.
	Power Units thermal overload tripped.	Push motor overload reset button to reset.
	Control unit switch defective or out of adjustment.	Adjust switch according to the Switch Adjustment Procedure in the maintenance section.
Motor overloads frequently.	Oil on new auger loads motor excessively when feed is carried for first time.	Polish auger by running 50 lb. (20 kg) increments of feed out to pans.
	Inadequate power reaching motors.	Check line voltage at the motors. Check starting current draw at motors. Wiring of adequate size is essential to feeder operation.
	Object caught in the auger; motor runs, stalls, then auger spins in reverse.	Check hopper boot, control unit and pan outlet holes for foreign objects. Remove obstruction.

Problem	Possible Cause	Corrective Action
Auger runs erratically.	Frozen or cracked bearing at boot anchor.	Replace bearing. Slowly ease auger back into tube. Be careful not to damage the bearing when reinserting the auger.
	Insufficient stretch in auger.	Shorten the auger.
	Obstruction in the auger.	Remove obstruction.
Auger tube or boot wears out rapidly (Noisy feeder operation)	Auger is bent or kinked.	Repair or replace damaged auger.
	End of auger is riding up on anchor weldment.	Auger must not be positioned over weld on anchor. Check for bent or damaged auger.
Oil leaking out of seals on power unit.	Gearhead vent plug not installed.	Replace plastic shipping plug with vent plug.
	Defective gear head seal.	Replace seal.
Not enough feed supplied to the feeder pans.	Insufficient time programmed on the time clock.	Add more operating time to feeding period.
	Feeder line control unit switch out of adjustment.	Adjust switch according to the Switch Adjustment Procedure in the maintenance section.

The Chore-Time Warranty

Chore-Time Equipment warrants each new product manufactured by it to be free from defects in material or workmanship for one year from the date of initial installation by the original purchaser. If such a defect is found by Chore-Time to exist within the one year period, Chore-Time will, at its option, (a)repair or replace such product free of charge, F.O.B. the factory of manufacture, or (b) refund to the original purchaser the original purchase price, in lieu of such repair or replacement.

Additional extended warranties are herewith provided to the original purchaser as follows:

- 1. TURBO™ and RLX™ Fans, less motors, for three years from date of installation.
- *2. Poultry feeder pans that become unusable within five years from date of installation. Warranty prorated after three years usage.
- 3. MEAL-TIME® Hog Feeder pans that become unusable within five years of installation.
- 4. Rotating centerless augers, excluding applications involving High Moisture Corn (exceeding 18%), for ten years from date of installation. Note: MULTIFLO® and applications involving High Moisture Corn are subject to a one year warranty.
- 5. Chore-Time manufactured roll-formed steel auger tubes for ten years from date of installation.
- *6. Laying cages that become unusable within ten years. Warranty prorated after three years usage.
- *7. ULTRAFLO® Auger and ULTRAFLO® Feed Trough (except ULTRAFLO® Trough Liners) are warranted for a period of five (5) years from date of original purchase against repeated breakage of the auger or wear-through of the feed trough caused solely by the auger.

Conditions and limitations:

- 1. The product must be installed and operated in accordance with instructions published by Chore-Time or warranty will be void.
- 2. Warranty is void if all components of a system are not supplied by Chore-Time.
- 3. This product must be purchased from and installed by an authorized Chore-Time dealer or certified representative thereof, or the warranty will be void.
- 4. Malfunctions or failure resulting from misuse, abuse, negligence, alteration, accident, or lack of proper maintenance shall not be considered defects under this warranty.
- 5. This warranty applies only to systems for the care of poultry and livestock. Other applications in industry or commerce are not covered by this warranty.

Chore-Time shall not be liable for any consequential or special damage which any purchaser may suffer or claim to have suffered as a result of any defect in the product. "Consequential" or "special damages" as used herein include, but are not limited to, lost or damaged products or goods, costs of transportation, lost sales, lost orders, lost income, increased overhead, labor and incidental costs and operational inefficiencies.

THIS WARRANTY CONSTITUTES CHORE-TIME'S ENTIRE AND SOLE WARRANTY AND CHORE-TIME EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, INCLUDING, BUT NOT LIMITED TO, EXPRESS AND IMPLIED WARRANTIES AS TO MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE SOLD AND DESCRIPTION OR QUALITY OF THE PRODUCT FURNISHED HEREUNDER.

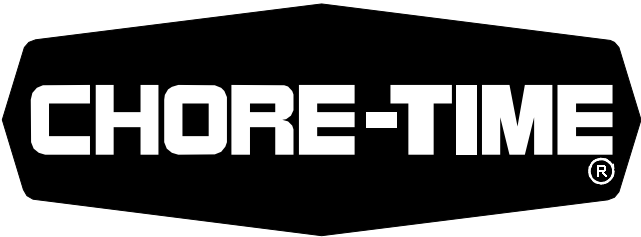
Any exceptions to this warranty must be authorized in writing by an officer of the company. Chore-Time reserves the right to change models and specifications at any time without notice or obligation to improve previous models.

*See separate Chore-Time Cage Wire Warranty as to these products.

CHORE-TIME EQUIPMENT, A Division of CTB, Inc.
P.O. Box 2000, Milford, Indiana 46542-2000 U.S.A.
Phone: 219-658-4101 • E-Mail: ctb@ctbinc.com

CHORE-TIME POULTRY FEEDER PAN PRO RATA SCHEDULE

Year from date of installation during which pan becomes unusable	Charge to be paid by the purchaser for replacement
0-1.....	NO CHARGE
1-2.....	NO CHARGE
2-3.....	NO CHARGE
3-4.....	4/10 of then current list price
4-5.....	5/10 of then current list price



*Made to work.
Built to last.™*

Revisions to this Manual	
Page No	Description of Change
--	Updated to CE format.
--	Updated Warranty Information.
--	Improved installation information to make it more consistent with other Floor Feeding Manuals.
--	Improved Maintenance and Trouble Shooting information.

Contact your nearby CHORE-TIME distributor or representative for additional parts or information.
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Milford, Indiana 46542-2000
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Printed in the U.S.A.