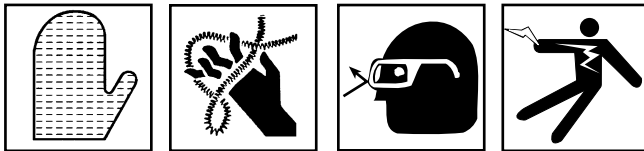


- The cord is rated as “W” or “W-A” if being used outdoors.
- The cord has sufficient wire thickness (14 AWG - 50'). If the wire thickness is too small, the cord may overheat, melting the cord's insulation or causing nearby objects to ignite.

**▲ WARNING** To reduce risk of electrical shock, keep all electrical connections dry and off the ground. Do not touch plug with wet hands. Test the Ground Fault Circuit Interrupter (GFCI) provided with the electric cord to insure it is operating correctly. When test button is pushed in, the indicator light should go off. Reactivate by pushing the reset button in. If indicator light goes on, the machine is ready to use. If the GFCI does not function correctly, do not use the machine.

## Operating Instructions

### ▲ WARNING



**Wear mitts with rivets provided with machine. Never grasp a rotating cable with a rag, loose fitting cloth or leather glove that may become wrapped around the cable causing serious injury.**

**Always wear eye protection to protect your eyes against dirt and other foreign objects. Wear rubber soled, non-slip shoes.**

**Be very careful when cleaning drains where cleaning compounds have been used. Wear gloves when handling cable and avoid direct contact to the skin and especially the eyes and facial area as serious burns can result.**

**Do not operate if clutch handle is damaged or does not function properly. Clutch is a safety feature designed to stop rotation of cable when released.**

**CAUTION** It is important to know approximate distance from inlet to main sewer or septic tank. Over-running cable too far into main sewer or septic tank can cause cables to knot up and prevent their return through small lines. If main is 12 inches or larger and standard 1 1/4" cable is being used, do not allow more than 10 to 15 feet of overrun. When working into a septic tank do not allow more than 3 to 5 feet overrun.

1. Assume the correct operating posture in order to maintain proper balance (*Figure 6*).

**▲ WARNING** Should an unexpected situation arise, this posture provides you with the opportunity to safely keep control of the machine and cable.

- Be sure you can quickly release the clutch handle.

- Hand must be on the cable to control its twisting action when it hits an obstruction.
- Must have access to FOR/OFF/REVERSE switch.



**Figure 6 – Proper Operating Position**

2. Pull sufficient cable out of the machine to start tool and cable into the sewer inlet. Push cable into inlet as far as it will go.
3. Pull enough extra cable through machine to form almost a half circle between machine and line opening.
4. Hold cable loosely in mitted hand. Put FOR/OFF/REVERSE/ switch in FOR (forward) position.

**NOTE!** The motor will start but cable will not rotate.

5. With mitted hand on cable, push down on clutch handle with opposite hand to engage cable. Push down on top of the cable loop with a definite snap to advance the cable.

**NOTE!** A slow or gradual engaging of the clutch handle causes excessive wear of the jaw set. The clutch is instant-acting and returning clutch handle to its original position frees cable instantly.

6. As soon as excess cable has gone into line, release clutch handle and pull six to ten inches of cable out of machine with mitted hand.
7. Continue to feed the cable into the line until resistance or obstruction is encountered. This will become apparent to operator as it will be difficult to feed additional cable into line and/or the cable will have a tendency to twist sideways in operator's hands.

8. If cable loads down in the obstruction, relieve load by pulling back on cable with short, quick jerks to free cutter. Slowly advance cable back into the obstruction. Repeat this process until the obstruction is clear. Remember, make sure the cutter is rotating at all times and never force the cable. At this point, progress depends upon the sharpness of the tool and nature of the obstruction.

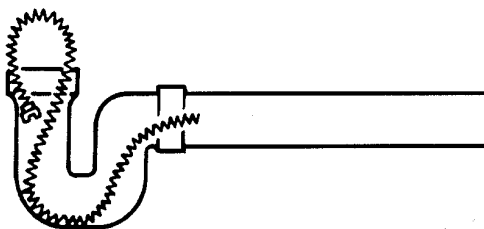
**▲ WARNING**

**Do not allow tension to build up in the cable. This will happen if the cutting tool hits a snag and stops turning, but the motor and cable continue to rotate. Torque builds until the cable suddenly twists, potentially wrapping around your hand or arm. This can happen quickly and without warning, so proceed slowly and carefully as you feed the cable into the drain. Releasing clutch handle will stop the cable rotating and releases the torque. If tool gets hung up in an obstruction, refer to Reverse Operating Instructions in the “Special Procedures” section.**

9. Once obstruction is cleared, it is recommended that operator flush debris from line with running water. Repeat Step 8 several times if necessary for thorough cleaning job and then work cable through additional stoppages as required.

10. To add cable, the following procedure should be followed:

- After reaching the end of each cable section, turn the machine OFF.
- Secure the cable by looping it in the line (Figure 7). This procedure is especially useful when cleaning a line with a steep grade.



**Figure 7 – Looping Cable In Line**

- With line secured, insert another section of cable in through the front of the machine (female end first) until approximately one foot remains out the front of the machine.
  - Attach cable to cable in line and resume operation.
11. To retrieve cable from drain line, the following procedure should be followed:
- Leave FOR/OFF/REV switch in FOR (forward) position.

- Push down on clutch handle to engage cable. With mitted hand pull cable out of line (if possible) or hold cable against edge of inlet to thread the cable out until loop forms in front of the machine.

**NOTE!** By holding the cable against the edge of the inlet, the rotation will rapidly “thread” the cable out of the line.

- When loop forms, release clutch handle and push excess cable back through machine. Disconnect one section at a time.

**▲ WARNING** When disconnecting sections, remember to turn unit off and secure cable in line.

- Once section of cable is removed, insert the secured cable in through the front of the machine and continue removing sections until tool on last section of cable is just inside sewer inlet.

**HINT!** When placing removed cables back into cable carrier, reconnect all cables. This assures easy removal at next job.

**▲ WARNING** Never retract tool from sewer inlet while cable is rotating. Tool can whip causing serious injury.

12. Turn FOR/OFF/REV Switch to OFF position.
13. Pull remaining cable and tool from sewer.
14. Unplug power cord and remove guide hose.

**CAUTION** After using, thoroughly flush and drain cables, couplings and tools with water due to damaging effects of some drain cleaning compounds.

## Special Procedures

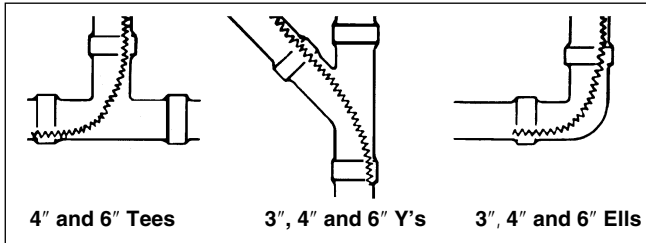
### Reverse Operation

Running machine in reverse will cause premature failure of cable. Use reverse only to free a tool or cable caught in an obstruction. If this should occur, immediately release clutch handle and place FOR/OFF/REV switch to OFF position. After motor comes to a complete stop, place FOR/OFF/REV switch in the REV (reverse) direction. Engage clutch handle only until cable or tool is free of obstruction. Once it is free, release clutch handle immediately. Turn unit OFF. Run unit in FOR (forward) direction and follow normal operating procedure.

**▲ WARNING** Never operate this machine in REV (reverse) for any other purpose. Operating in reverse can damage a cable and cause serious injury.

### Cable Applications

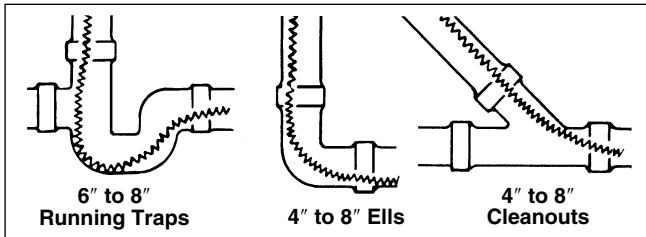
**Standard Cable** Standard 7/8" or 1 1/4" cable can be used in straight lines from 3" through 6" and through fittings. (Figure 8)



**Figure 8 – Standard Cable Application**

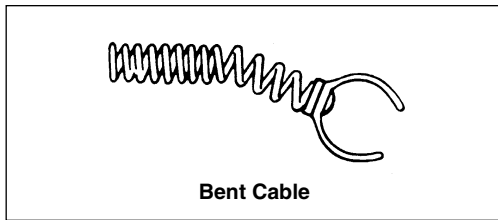
**Heavy-Duty Cable** Where conditions allow, heavy-duty 1¼ inch cable, such as C-14, should be used for faster results and longer cable life. The heavy-duty cables work effectively in 4" through 8" straight lines. (Figure 9)

**NOTE!** This type cable should not be used in areas where 4" "P" traps or 4" running traps are currently in use.



**Figure 9 – Heavy Duty Cable Application**

**Faster Cleaning** Obstructions of grease or fats can be cleaned faster and more effectively by bending the cable some 6" or 8" behind the cutter. (Figure 10)



**Figure 10 – Bending Cable for Faster Cleaning**

**Storing And Transporting Cable**

("A" Frame Models Only)

Cables can be stored and transported on "A" frame models as shown in Figure 11.



**Figure 11 – Storing Cables On "A" Frame Models**

**Accessories**

**⚠ WARNING** Only the following RIDGID products have been designed to function with the Sectional Drain Cleaning Machines. Other accessories suitable for use with other tools may become hazardous when used on the machines. To prevent serious injury, use only the recommended accessories.

**K-75A/B Machines**

**Cables and Leaders**

Catalog No.	Model No.	Description
62275	C-10	15' All-Purpose Wind (4.6m)
30007	T-127	7/8" Trap Leader

**5/8" Cables**

Catalog No.	Model No.	Description
51317	C-9	10' Heavy-Duty (3m)
62270	C-8	7 1/2' All-Purpose Wind (2.3m)
62265	C-7	7 1/2' Tight-Wind (2.3m)

**Accessories**

Catalog No.	Model No.	Description
59360	A-3	Tool Box
59205	A-1	Left-Hand Mitt
59295	A-2	Right-Hand Mitt
59225	A-12	Pin Key, 7/8" Cable
59230	A-13	Pin Key, 5/8" Cable
59470	A-8	Cable Carrier (Five Sections/C-10)
59210	A-10	Cable Carrier (Three Sections/C-10)
59425	A-36	Cable Caddy
59330	A-376X	Jawset Adapts K-75 to 5/8" Cable
59325	A-368X	7/8" Replacement Jawset
84315	A-34-8	8' Rear Guide Hose
59415	A-34-10	10' Rear Guide Hose
59395	A-34-12	12' Rear Guide Hose

**Tools for C-10 Cable - 7/8"**

Catalog No.	Model No.	Description	Replacement Blade(s)
62850	T-101	Straight Auger	—
62855	T-102	Funnel Auger	—
27642	T-125	Retrieving Auger	—
62860	T-103	Sawtooth Cutter, 2 1/2"	98070
62865	T-104	"H" Cutter, 2 1/2"	97800
62870	T-105	Grease Cutter, 2 1/2"	97920
62875	T-106	Grease Cutter, 3 1/2"	97925
62880	T-107	Spade Cutter, 1 3/4"	92850
62915	T-109	Spiral Sawtooth Cutter, 1 3/4"	97930
62920	T-110	Spiral Sawtooth Cutter, 2 1/4"	97935
62925	T-111	Spiral Sawtooth Cutter, 3"	92890
62930	T-112	4-Blade Cutter, 1 3/4"	97915
62935	T-113	4-Blade Cutter, 3"	97940
98050	T-150	Sharktooth Cutter, 3" and 4"	See Below
98055	T-150-1	Sharktooth Cutter, 3" Blade	98005
98060	T-150-2	Sharktooth Cutter, 4" Blade	98010
62940	T-114	Chain Knocker	97985

**K-1500A/B Machines**
**Cables and Leaders**

Catalog No.	Model No.	Description
92280	C-11	15' Standard All-Purpose Wind, 3/8" Pitch. Good for 4" Traps, 3" - 8" Lines.
62285	C-12	15' Extra-Heavy-Duty Wind, 3/8" Pitch. 4" - 10" Long Runs, No 4" Traps.
62295	C-14	15' Heavy-Duty Wind, 1/2" Pitch. 3" - 10" Lines Through Cleanout, No 4" Traps.
62300	C-15	15' Extra-Flexible Wind, 1/2" Pitch. 3" - 6" Lines Good for Traps.
63090	T-27	1 1/4" x 25' Leader
62275	C-10	15' Standard All-Purpose Wind, Requires A-368X Jawset 7/8" Tools

**Accessories**

Catalog No.	Model No.	Description
59470	A-8	Cable Carrier, 60' Capacity (1 1/4")
59210	A-10	Cable Carrier, 150' Capacity (1 1/4")
59415	A-34-10	10' Rear Guide Hose
59395	A-34-12	12' Rear Guide Hose
59400	A-34-16	16' Rear Guide Hose
59300	A-20	8' Front Guide Hose Assembly
59205	A-1	Left-Hand Mitt
59295	A-2	Right-Hand Mitt
59360	A-3	Tool Box
59225	A-12	Coupling Pin Key
59440	A-4	Trap Spoon (30")
59240	A-17	Manhole Guide Pipe
59320	A-369X	1 1/4" Replacement Jawset

**Tools for C-11, C-12, C-14 and C-15 Cables 1 1/4"**

Catalog No.	Model No.	Description
62840	T-1	Straight Auger
61800	T-2	Heavy-Duty Straight Auger
63105	T-3	Funnel Auger
61790	T-4	Heavy-Duty Funnel Auger
63190	T-5	Straight Retrieving Auger
63195	T-6	Funnel Retrieving Auger
63200	T-7	Hook Auger
63205	T-8	Grease Cutter, 2 1/2"
63210	T-9	Grease Cutter, 3 1/2"
62845	T-10	Grease Cutter, 4 1/2"
59480	T-11	"H" Cutter, 2 1/2"
59485	T-12	"H" Cutter, 3 1/2"
61970	T-13	Sawtooth Cutter, 2 1/2"
61975	T-14	Sawtooth Cutter, 3 1/2"
61770	T-15A	Expanding Cutter, 4" - 6"
61825	T-15B	Expanding Cutter, 6" - 8"
61960	T-16	Spiral Bar Cutter, 4"
61850	T-17	Spiral Bar Cutter, 6"
61855	T-18	Spiral Bar Cutter, 8"
59625	T-21	Spiral Sawtooth Cutter, 3 1/2"
63075	T-22	Spiral Sawtooth Cutter, 3"
63085	T-23	Spiral Sawtooth Cutter, 4"
59765	T-24	4-Blade Cutter, 2 1/2"
59770	T-25	4-Blade Cutter, 3 1/2"
59775	T-26	4-Blade Cutter, 4 1/2"
59780	T-26A	4-Blade Cutter, 5 1/2"
98030	T-50	Three Blade, 3" - 4" - 5"
98035	T-50-1	Sharktooth Cutter, 3"
98040	T-50-2	Sharktooth Cutter, 4"
98045	T-50-3	Sharktooth Cutter, 6"
63110	T-31	Chain Knocker, 3" - 4" Pipe
63115	T-32	Chain Knocker, 6" Pipe
63120	T-33	Chain Knocker, 8" Pipe
63145	T-38	Flue Brush, 1 1/2"
63150	T-39	Flue Brush, 2"
63155	T-40	Flue Brush, 2 1/2"
63160	T-41	Flue Brush, 3"
63165	T-42	Flue Brush, 3 1/2"
63170	T-43	Flue Brush, 4"
63175	T-44	Flue Brush, 4 1/2"
63240	T-45	Flue Brush, 5"
63180	T-46	Flue Brush, 5 1/2"
63185	T-47	Flue Brush, 6"

NOTE! See Ridge Tool Catalog for complete list of tools and accessories.

## Maintenance Instructions

### **▲ WARNING**

**Make sure machine is unplugged from power source before performing maintenance or making any adjustment.**

### Moving Parts Lubrication

Grease all exposed moving parts such as rocker arms and main bearing approximately every three months. Make sure to grease main bearing thru grease fitting inside clutch handle slot.

### Clutch Jaws Lubrication

Clean and lubricate clutch driver jaws with oil after each use.

### Cables

Cables should be thoroughly flushed with water to prevent damaging effects of sediment and drain cleaning compounds. Periodically lubricate cables and couplings with RIDGID Cable Rust Inhibitor.

When not in use, store cables indoors to prevent deterioration by the elements.

Cables should be replaced when they become severely corroded or worn. A worn cable can be identified when outside coils of cable become flat.

### Clutch Jaws Replacement

1. Remove four screws holding the front guard to the housing.
2. Remove screws from the nose piece assembly (Figure 12).



Figure 12 – Replacing Clutch Jaws

3. Slide out clutch driver jaws and replace with desired size jaws.



Figure 13 – Replacing Clutch Jaws

4. Replace nose piece assembly, screws and guard.

**▲ WARNING** Never operate machine with belt guard removed. Fingers can be caught between the belt and pulley.

### Removing Clutch End Play

1. To remove end play from clutch, loosen screw in Adjusting Nut. (Figure 14).
2. Turn lock and adjusting nut clockwise until snug against housing, then *back off* one half turn.
3. Tighten screw in lock and adjusting nut.



Figure 14 – Removing Clutch End Play

**V-Belt Adjustment**

Check V-Belt periodically for loosening. V-Belt should be kept tight at all times.

1. To tighten V-Belt remove Guard.
2. Loosen locknut, turn adjusting bolt slowly until V-Belt stiffens, tighten locknut. (Figure 15).

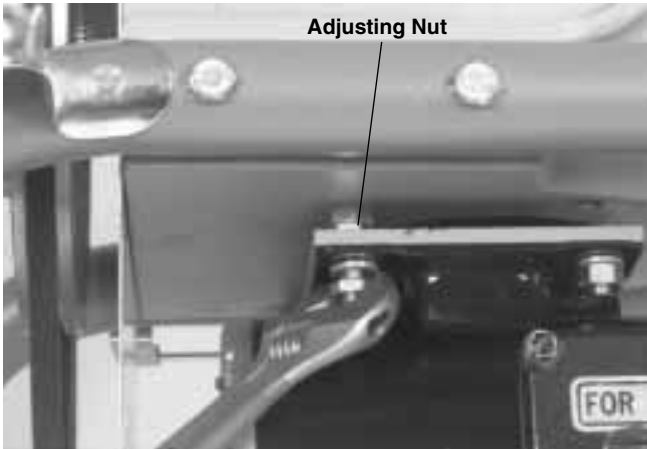


Figure 15 – Adjusting V-Belt Tension

**Machine Storage**

**⚠ WARNING** Motor-driven equipment must be kept indoors or well covered in rainy weather. Store the machine in a locked area that is out of reach of children and people unfamiliar with drain cleaners. This machine can cause serious injury in the hands of untrained users.

If machine has been exposed to freezing weather, unit must be run for ten (10) to twenty (20) minutes without load to warm up. Failing to do this will result in frozen bearings. If machine is exposed to weather for a period of time, moisture will form across motor windings causing motor to burn out.

**Service and Repair**

**⚠ WARNING**



The “Maintenance Instructions” will take care of most of the service needs of this machine. Any problems not addressed by this section should only be handled by an authorized RIDGID service technician.

Tool should be taken to a RIDGID Independent Authorized Service Center or returned to the factory. All repairs made by Ridge service facilities are warranted against defects in material and workmanship.

**⚠ WARNING** When servicing this machine, only identical replacement parts should be used. Failure to follow these instructions may create a risk of electrical shock or other serious injury.

If you have any questions regarding the service or repair of this machine, call or write to:

Ridge Tool Company  
 Technical Service Department  
 400 Clark Street  
 Elyria, Ohio 44035-6001  
 Tel: (800) 519-3456  
 E-mail: TechServices@ridgid.com

For name and address of your nearest Independent Authorized Service Center, contact the Ridge Tool Company at (800) 519-3456 or <http://www.ridgid.com>