



SPARTAN

Model 700

Owner's Manual

Record the Serial Number of your
Model 700

and give the number to the factory
when ordering parts.

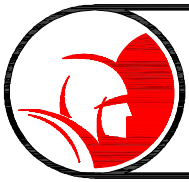
Serial Number



SPARTAN TOOL L.L.C.

800.435.3866

www.spartantool.com



Warning



— Read the safety and operating instructions before using any Spartan Tool product. Drain and sewer cleaning can be dangerous if proper procedures are not followed and appropriate safety gear is not utilized.

— Before starting unit, be sure to wear personal protective equipment such as safety goggles or face shield and protective clothing such as gloves, coveralls or raincoat, rubber boots with metatarsal guards, and hearing protection.

— Drains and sewer can carry bacteria and other infectious micro-organisms or materials which can cause death or severe illness. Avoid exposing eyes, nose, mouth, ears, hands and cuts and abrasions to waste water or other potentially infectious materials during drain and sewer cleaning operations. To further help protect against exposure to infectious materials, wash hands, arms and other areas of the body, as needed, with hot, soapy water and, if necessary, flush mucous membranes with water. Also, disinfect potentially contaminated equipment by washing such surfaces with a hot soapy wash using a strong detergent.

“California Prop. 65: This product may contain an extremely small amount of lead in the coating. Lead is a material known to the State of California to cause cancer or reproductive toxicity.”

— For any questions contact the company at the address shown below.

SPARTAN TOOL L.L.C.

1506 W. Division Street

Mendota, IL 61342

800 . 435 . 3866 ♦ Fax 888 . 876 . 2371

www.spartantool.com



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Warnings



USE OF ANY ELECTRIC EQUIPMENT IN A WET OR DAMP ENVIRONMENT CAN CAUSE FATAL SHOCK IF NOT PROPERLY GUARDED AGAINST BY THE OPERATOR.

1. Before using your Spartan equipment, make sure that a properly grounded, 3-hole electrical outlet is available. If not, as in older homes, use a 3-prong adapter and connect the green pigtail or grounding lug to a known ground such as a cold water pipe.
2. Don't assume that all 3-hole outlets are properly installed. Check the outlet and also the adapter, if used, with an outlet testing device which quickly indicates if a ground is connected. Correct a faulty test indication before proceeding.
3. Plug the three-wire cord furnished with your machine into the inspected outlet. If an extension cord must be used, it must be of an approved three-wire type in good condition, equipped with a three-prong plug. Never cut off the grounding prong for use in a two hole outlet receptacle. By doing, so, you have cut off your protection from shock.
4. Use rubber boots and rubber gloves inside your Spartan riveted gloves to further insulate yourself. Respect Electricity, you may not get a second chance.
5. Read this manual carefully for further safety precautions and operating instructions.

Your Spartan equipment has been built with the utmost safety in mind and thoroughly inspected for electrical and mechanical defects. However, through abuse and misuse on the job, a breakdown in the electrical insulation could conceivably develop and if this happens, you need a ground circuit to protect you.



How to Assemble



1. Mount Model 700 in vise or have it held in secure position.
2. Lay entire length of cable on floor with non-working end of cable pointing toward chuck.
3. Temporarily remove the feed cap assembly from the power feed.
4. Put 15° bend in last half-inch of cable so same will take circular position in drum. (See Fig. 1)
5. Push cable into drum, using short bites, one foot at a time, to prevent kinking. (Fig. 2)
6. Feed entire length of cable into drum, leaving only the bulb or enlarged head exposed.
7. Re-install the feed cap assembly.
8. Untie power cord, making entire length available for use.

Now you are ready to operate.



Install Cable

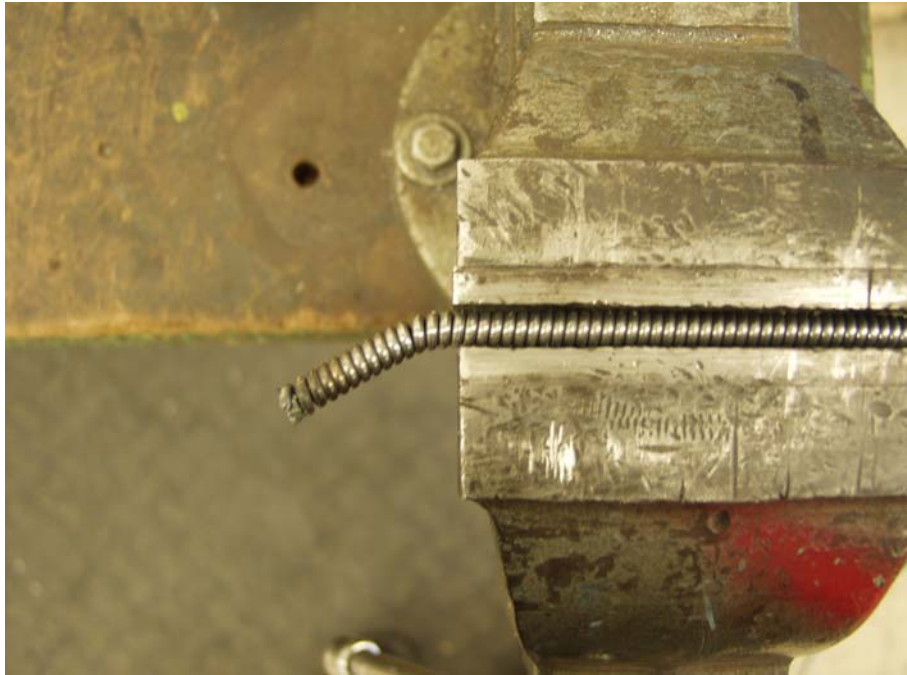
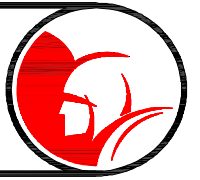


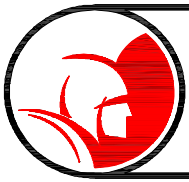
Fig. 1

Bend Cable End



Fig. 2

Push Cable Into Drum



Operating Instructions



1. Insert proper size of cable in machine, using 1/4" cable for 1 1/4" lines: 5/16" cable for 1 1/2" to 2" lines.

WARNING: Do not use your 1/4" cable in lines larger than 1 1/4" in diameter.

2. Hold unit close - within 6" to 8" of pipe opening.
3. Pull out enough cable to enter waste line or approach cross bar.
4. Position Reverse Switch, causing cable and drum to rotate in a clockwise direction. Don't reverse motor or use Reverse Action Switch until machine comes to dead stop.
5. Press Off-On Trigger Switch causing cable to rotate through cross bar or into pipe opening.
6. To tighten chuck, grip it with your hand while motor turns clockwise and chuck will close easily.
7. Take 6" to 8" bite on cable, and feed same into line by advancing machine toward cleanout slowly, giving cable time to round fitting or remove stoppage.
8. When motor slows up, indicating a load on same, pull back a bit and start moving your unit forwards and backwards. This reciprocating action keeps the cable rotating - keeps cable from getting "hung up" - the sole cause of cable kinkage or breakage.
9. If cable gets "hung up" - stop your machine and reverse the direction of same through Reverse Switch, pulling back as you do so to free working end of cable.

WARNING: Do not use Reverse Switch until your motor unit comes to dead stop!

10. When chuck approaches cleanout, stop your machine; open the chuck and pull out another short length of cable.
11. Tighten your chuck and advance your machine toward pipe opening.
12. Repeat this action as often as necessary to clean the line.
13. When job is completed, feed all cable back into drum 6" to 8" at a time - DON'T take long bites.



Operating a Power Driven Cleaning Tool



1. Stay close to pipe opening, having no more than 6" to 8" of cable exposed between machine and cleanout - especially when rounding fittings or removing stoppage.
2. Move your machine backwards and forwards constantly when you get into stoppage, thereby preventing your cable from getting "hung up" causing unnecessary kinkage. Remember - a rotating sewer cable cannot kink or break. Kinkage of cable takes place only when the working end of the cable gets "hung up" and you keep on twisting the other end.
3. Don't attempt to go around fittings or remove stoppage until your drum reaches full speed. It is the rotation of the cable that enables it to either (a) round fittings, (b) remove stoppage - NOT push power.

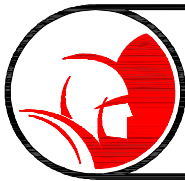


Operating a Power Driven Cleaning Tool



Fig. 3

Feed Entire Cable into Drum



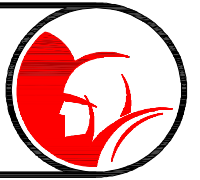
How To Repair Kinked or Broken 1/4" and 5/16" Open Hook Cables



Repair bulbs for 1/4" and 5/16" cables are available. If you kink your cable, cut the cable off at the kinked portion. Grind the end to provide a leader thread. Now, thread your repair bulb on the regular cable, as you would a nut on a bolt, turning about three turns - which will fasten it to the cable securely.



Care of Machine



Dry or wipe your cables as you put them in the drum. When through with a job, place your machine back in the tool box. DON'T drop it - lay it down in its proper position in the tool box.

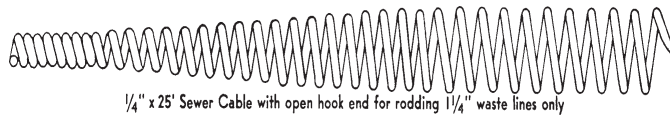


Sewer Cable Model 700 - 700IC

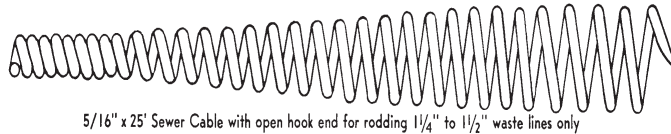


Model 700 Cables

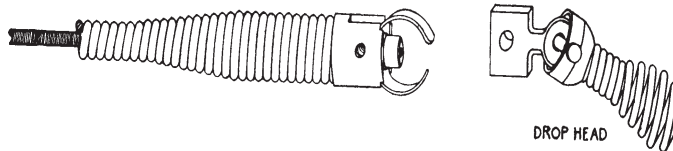
03449002	5/16" x 25' IC No. 8
03449003	5/16" x 30' IC No. 8
03449004	5/16" x 35' IC No. 8
04212402	5/16" x 25' OH
04212403	5/16" x 30' OH
04212404	5/16" x 35' OH
04224701	1/4" x 25' NCNT
04212102	1/4" x 25' OH
04212103	1/4" x 30' OH
04212104	1/4" x 35' OH
44104301	1/4" x 25' DH
44104302	1/4" x 35' DH



1/4" x 25' Sewer Cable with open hook end for rodding 1 1/4" waste lines only



5/16" x 25' Sewer Cable with open hook end for rodding 1 1/4" to 1 1/2" waste lines only



DROP HEAD

5/16" Multi-Purpose Inner-Core Cable

For rodding 1 1/4" to 1 1/2" lavatory, bathtub, shower stall wastes, etc. Each sewer rod comes equipped with all parts illustrated including Allen head screws and wrenches for changing heads. Use cutters for removing grease and extraction hook for rags. Drop-head designed to assure downward direction on vents - imperative in rodding waste lines where fixtures are back-to-back.



How To Order Parts For Your Model 700

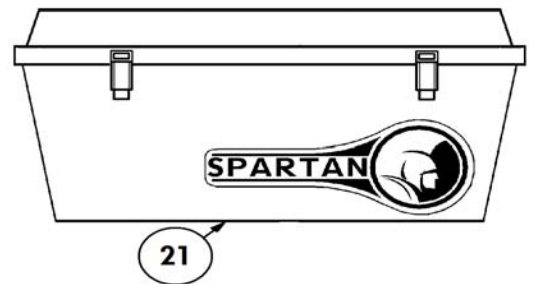
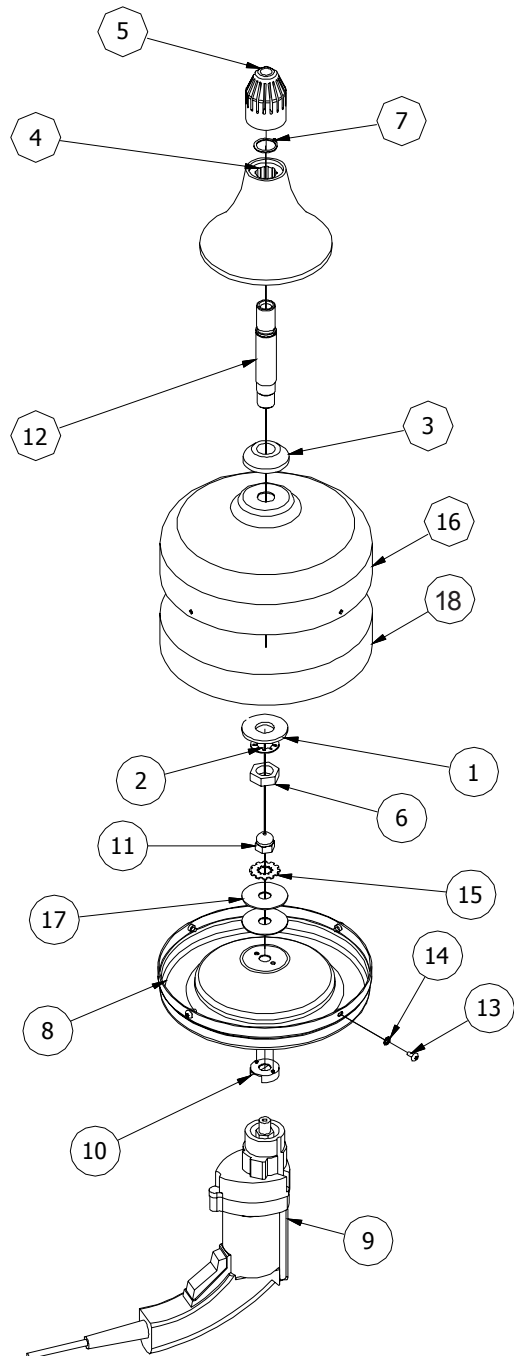
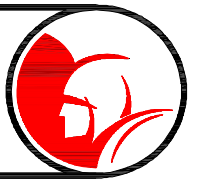


Give Model and Serial Numbers on any and all orders for parts for this machine.

Specify diameter and length of cable desired, remembering that the maximum length of cable that can be used in the Model 700 is 35 feet.



Model 700 Final Assembly





Model 700 Final Assembly

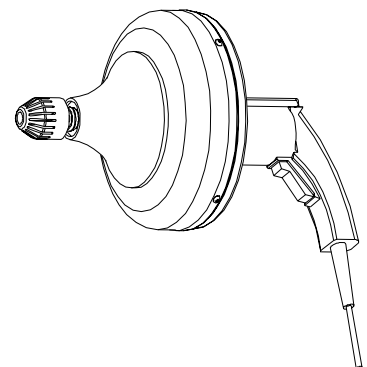


02755308 Model 700 Only

02755309 Model 700 Machine with Tool Box

Item	Qty	Qty	Part Number	Description
1	1	1	00163300	WASHER, FLAT 3/8
2	1	1	02824700	INTERNAL TOOTH LOCKWASHER 3/4
3	1	1	02753400	NOZZLE COLLAR-MODEL 700
4	1	1	02754400	HAND GUARD MOD 700
5	1	1	02773700	CHUCK ASSY C/W STL COLLET
6	1	1	02820900	NUT, HEX JAM 3/4-16NF
7	1	1	02822700	SNAP RING-LARGE
8	1	1	44301300	DRUM, BACK MOD 700
9	1	1	44301400	MOTOR UNIT MILW 0299-20
10	1	1	44301500	ASSY-DRUM ADAPTER-MILW 0299-20
11	1	1	44301600	NUT, ACORN 1/2-20NF
12	1	1	44301800	NOZZLE-MODEL 700
13	4	4	44301900	SCREW, TRUSS HD #8-32 X 3/8
14	4	4	44301910	WASHER-EXT TOOTH #8
15	1	1	44302100	INT-EXT TOOTH LOCKWASHER 1/2
16	1	1	44302300	DRUM, FRONT 700 W/ PEM NUTS
17	2	2	44302110	WASHER, FENDER 1/2"
18	1	1	44229300	RUBBER BAND (NOT SHOWN)
21	0	1	44302600	TOOL BOX

Part Number	Description
44302000	Assembly, 700 Drive Unit (No Rubber Band or Toolbox)





ONE YEAR WARRANTY



Spartan Tool warrants its equipment to be free from defects in material and workmanship for one year from the date of purchase. To obtain warranty service, a purchaser should notify Spartan Tool in writing, at the address provided below, within the warranty period, and Spartan Tool will direct where to take or send the equipment for service. If the defect is covered by the warranty, Spartan Tool will repair or replace, at its option, the defective equipment, without charge for labor or materials. (Freight and insurance are the purchaser's responsibility.)

This warranty is limited to the original retail purchaser and is not transferable. Spartan Tool assumes no responsibility for damage due to accident, neglect, abuse, tampering or misuse, nor damage from repairs or alterations by others. This warranty does not cover damage to the equipment resulting from the use of replacement parts other than Spartan Tool parts.

Spartan Tool's sole obligation and the original retail purchaser's exclusive remedy under this warranty shall be for repair or replacement as described above. ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL SPARTAN TOOL BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

SPARTAN TOOL L.L.C.
MENDOTA, ILLINOIS 61342

Spartan Tool L.L.C. reserves the right to make changes at any time, without notice, to specifications and models and also discontinue models. The right is also reserved to change specifications or parts at any time without incurring any obligation to equip same on models manufactured prior to the date of change.

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1506 W. Division Street
Mendota, IL 61342
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