



Cable Repair Instructions (5/8" & 3/4" Diameter Tri-Max)

1.) Repairing a Cable with the Front Male Fitting (SP-31) and Tool Adapter (SP-30)

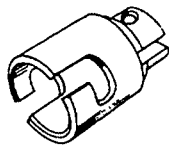
If your cable has been broken off at the front of the machine, follow these instructions for repair:

- A.) If the end of the cable is uneven, it is a good idea to grind the end to get an even, flat end.
- B.) Approximately 1" of inner core needs to be removed to allow space for the new SP-31 to be installed into the cable.

First, insert the end of the cable to be repaired into a vice. Take a pair of needle nose pliers and pull out about an inch of the inner cable. Cut the inner core off with bolt cutters or cold chisel. Push the inner core back into the outer cable. The SP-31 can now be screwed into the cable. Attach the SP-30 tool adapter to the new front fitting using the 1/4" connector pin provided.

NOTE #1: If your cable has experienced a lot of wear and the inner core will not pull freely, it will be necessary to drill out the inner core or use a pin punch and hammer to drive the inner core down into the cable. Use a 1/4" punch for 3/4" diameter cable or a 1/8" punch for 5/8" diameter cable.

Your cable is now repaired and ready to continue to use.



SP-30 Tool Adapter



SP-31 Male



SP-32 Female

Continued on back >



Drain Cleaning Tools for Professionals

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Note: Always refer to operator's manual and safety instructions before operating any drain and sewer cleaning equipment.

2.) Removing a kink from a cable

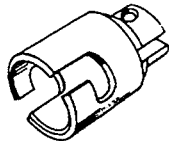
A cable with a kink can also be repaired by cutting out the kink and splicing the cable back together.

For this purpose, an **SP-31 Male** and **SP-32 Female Fitting** will be needed along with a **Connector Pin**.

- A.) Pull out the cable from the cage until the kinked portion is out of the cage.
Lay the cable flat on the floor. Using bolt cutters, cut the kinked portion of the cable out.
- B.) You now have two pieces of cable. Grind both ends so they are flat. Approximately 1" of inner core will need to be removed from both cable ends to allow for the male and female fittings to be inserted.

Insert the end of one of the cables ends into a vice. Remove the inner core. If the inner core moves freely, pull it out and cut off with bolt cutters or cold chisel. If the inner core will not move, drill it out or use a pin punch and hammer. (see note #1 on front page) Push the inner core back into the outer cable as far as it will go. You should now have enough space for the new fitting to be inserted.

Repeat this process for the other end. When complete, connect the two cable sections together using the connector pin provided. Insert the cable back into the cage.



SP-30 Tool Adapter



SP-31 Male

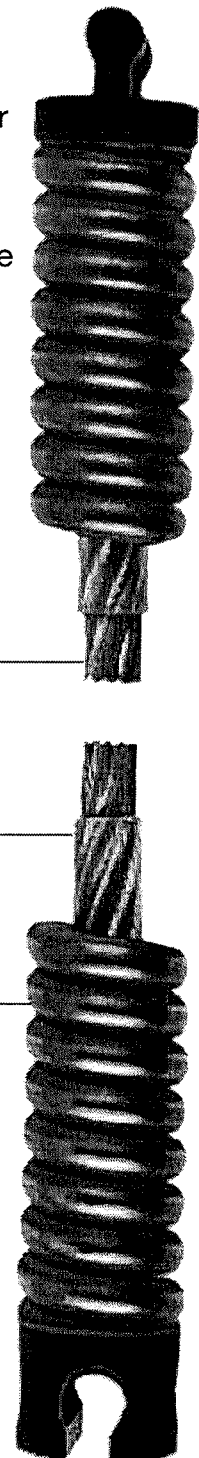


SP-32 Female

Galvanized aircraft wire inner cable

Protective plastic sheath

Rugged music-type wire outer layer



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