

## **PRODUCT INSTRUCTIONS MODEL 501 INDUCTION CLAMP For Use With Model 505**

To operate the Model 501 Induction Clamp, simply plug the cable into the output jack on the 505 "Go-Fer" Transmitter panel when inducing a current into a selected line. Plug the cable into the input jack on the 505 "Go-Fer" Receiver when tracing a particular line, or when following a line that is being induced with a signal from another Induction Clamp in manhole-to-manhole type location.

The Induction Clamp can be used in all tracing methods where conductors are exposed in a least one place, with the exception of a terminated end that is an open circuit. When coupling the transmitter clamp to a terminating end of a trace object, a grounded conductor is required for proper current flow. Be sure that the clamp is coupled to a conductor in between the ground and the point where the conductor enters the earth, in order to prevent the trace signal from returning to the ground.

The Model 501 is waterproof and built to withstand rough handling. If used properly, it will provide years of service without the need for maintenance. Refer to the brochure for additional modes of typical operation and follow the illustration below for proper application.

(For more, see diagram on page 2)

All instruments being returned for repair should be sent PREPAID to either address below:

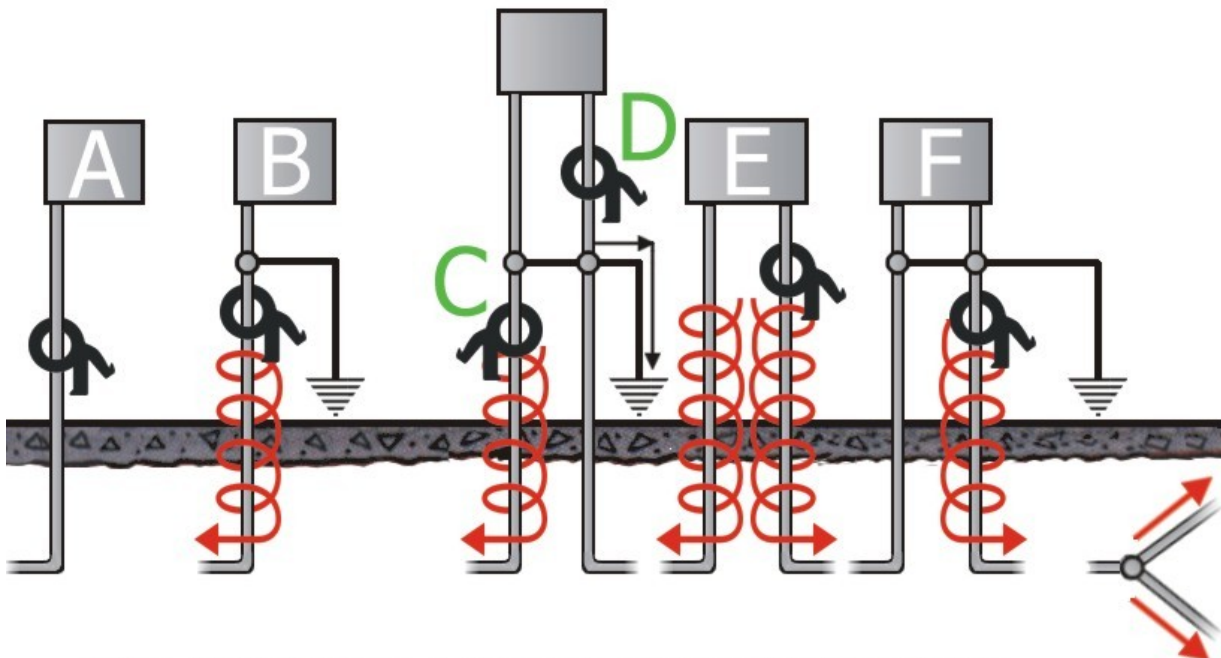
Tinker & Rasor  
791 S. Waterman Ave.  
P.O. Box 1667  
San Bernardino, CA 92402

Include with shipment information the nature of the problem, purchase order, serial number and return delivery address. Immediate service is guaranteed!

## PRODUCT INSTRUCTIONS

### APPLICATION DIAGRAM

<b>A.</b>	Induction Clamp used in all tracing methods where conductors are exposed in at least one place and the terminated end is an open circuit.
<b>B.</b>	Induction Clamp shown coupled to a terminating end of a trace object, transmitter clamp requires a grounded conductor for a proper current flow throughout the ground.
<b>C.</b>	Induction clamp shown, must be coupled to a conductor in between the ground and the point where the conductor enters the ground.
<b>D.</b>	Induction clamp shown coupled in the wrong place causing the trace signal to return to the ground.
<b>E.</b>	Induction clamp shown coupled around a conductor which feeds in two directions creating a current flow to allow tracing in BOTH directions.
<b>F.</b>	Induction clamp shown coupled to a conductor with laterals, feeding the full trace signal up to the junction point, (1) which then divides the signal strength into each branch (2).



## 501 TYPICAL FIELD APPLICATIONS