

# 6 Care and Maintenance

## CLEANING

The exterior of the probe and cable should be cleaned only using a soft cloth lightly moistened with water or isopropyl alcohol. The use of abrasive agents, strong detergents, or other solvents may damage the probe. Always ensure that the input leads are free of debris.

### **Note**

*The probe case is not sealed and should never be immersed in any fluid.*

## CALIBRATION INTERVAL

The recommended calibration interval is one year. (Performance Verification and Adjustment Procedures are included in this manual.)

## SERVICE STRATEGY

The HFP1000 probe utilizes fine pitch surface mount devices. It is therefore impractical to attempt to repair in the field. Defective probes must be returned to a LeCroy service facility for diagnosis and exchange. A defective probe under warranty will be replaced with a factory refurbished probe. A probe that is not under warranty can be exchanged for a factory refurbished probe for a modest fee. You must return the defective probe in order to receive credit for the probe core.

## RETURNING A DEFECTIVE PROBE

The procedure for returning a defective probe is as follows:

Contact your local LeCroy sales representative to find out where to return the product. All returned products should be identified by model number and serial number. Provide your name and contact number and if possible describe the defect or failure. In case of products returned to the factory, a Return Authorization Number (RAN) should be used. The RAN can be established by contacting your nearest LeCroy office, or the New York Customer Care Center.

Return shipment should be made prepaid. LeCroy cannot accept COD or Collect Return shipments. We recommend air-freighting.

## HFP1000 High Frequency Probe

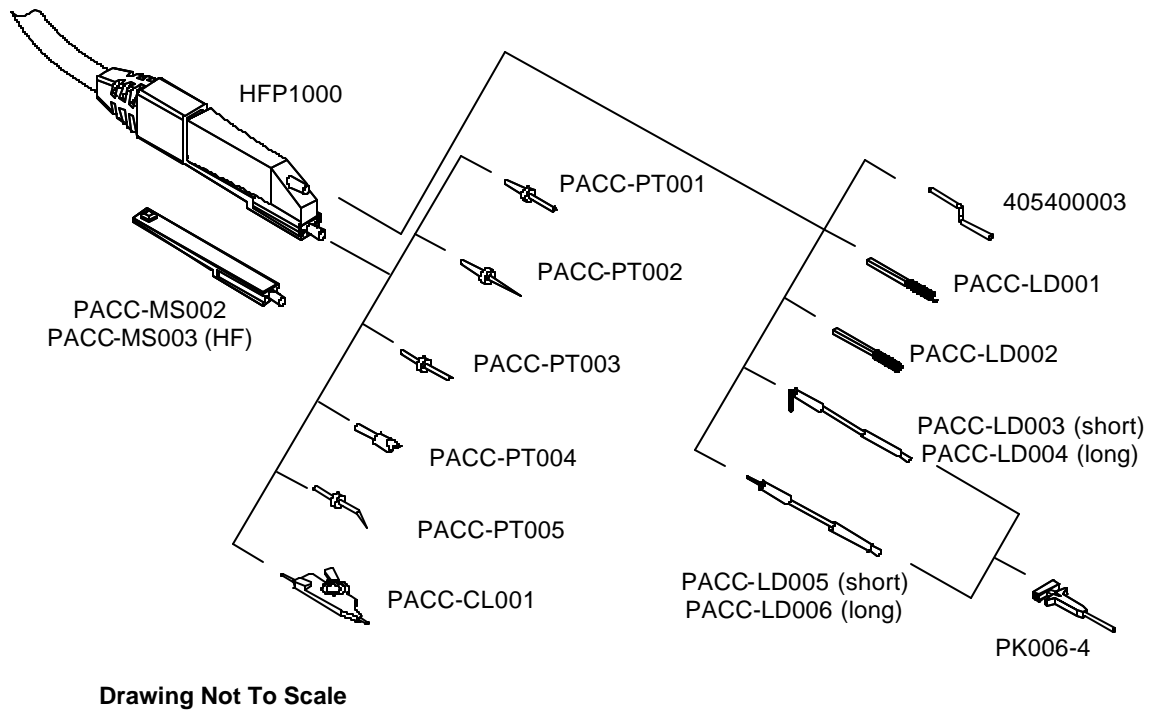
---

It is important that the RAN be clearly shown on the outside of the shipping package for prompt redirection to the appropriate department.

1. Contact your local LeCroy sales or service representative to obtain a Return Authorization Number.
2. Remove all accessories from the probe. Do not include the manual.
3. Pack the probe in its case, surrounded by the original packing material (or equivalent) and box.
4. Label the case with a tag containing
  - The RAN
  - Name and address of the owner
  - Probe model and serial number
  - Description of failure
5. Package the probe case in a cardboard shipping box with adequate padding to avoid damage in transit.
6. Mark the outside of the box with the shipping address given to you by the LeCroy representative; be sure to add the following:
  - ATTN: <RAN assigned by the LeCroy representative>
  - FRAGILE
7. Insure the item for the replacement cost of the probe.
8. Ship the package to the appropriate address.

### REPLACEMENT PARTS

The probe connection accessories and other common parts can be ordered through the regional customer care centers. Refer to list below for LeCroy part numbers. Defective probes can be replaced on an exchange basis. The replacement exchange probe will have been factory repaired, inspected and calibrated to the same standards as a new product. In order to obtain an exchange probe, you must return the defective probe. The returned probe should be sent back to the regional customer care center without any accessories, manual or case.



**Figure 6-1. Replaceable Parts Selected by Input and Ground Accessory**

(Some accessories may be optional and not included with the probe)

## HFP1000 High Frequency Probe

---

**Table 6-1. Replaceable Parts List**

Item	LeCroy P/N	Replacement Quantity
Straight Tip	PACC-PT001	4
Sharp Tip	PACC-PT002	4
IC Lead Tip	PACC-PT003	4
SMD Discrete Tip	PACC-PT004	4
Bent Sharp Tip	PACC-PT005	4
Micro Clip	PACC-CL001	4
Clip	PK006-4	2
Ground Spring with Hook	PACC-LD001	4
Square Pin Ground Spring	PACC-LD002	4
Offset Pin	405400003	1
Short Right Angle Lead	PACC-LD003	4
Long Right Angle Lead	PACC-LD004	4
Short Single Lead	PACC-LD005	4
Long Single Lead	PACC-LD006	4
<i>FreeHand</i> Probe Holder	PACC-MS001	1
Replaceable Cartridge	PACC-MS002	1
Low C Cartridge	PACC-MS003	1
Soft Accessory case	SAC-01	1
Instruction Manual	HFP1500-OM-E	1

###