QA Technology Company, Inc.

A p p l i c a t i o n s N o t e

Instructions for Removing Sockets and Probes

QA Technology Socket Extraction Tools are used for removing the following sockets from their mounting plates. Two tools are required to remove a socket: a Flush Insertion Tool and an Extraction Tool. These tools may be purchased separately or combined in an Extraction Tool Kit.

Socket Series	Extraction Tool Kit	Flush-Insertion Tool	Extraction Tool
039-16, 039-25	ET39-KIT	IT39-FLUSH	ET39
050-05	ET050-05-KIT	IT050-05-FLUSH	ET050-05
050-16	ET050-16-KIT	IT050-16-FLUSH	ET050-16
050-R25, 050-T25	ET050-25-KIT	IT050-25-FLUSH	ET050-25
All .075 inch centers	ET75-KIT	IT75-FLUSH	ET75
All .100 inch centers	ET100-KIT	IT100-FLUSH	ET100
125-25	ET125-KIT	IT125-FLUSH	ET125

Extraction Tools are used when a probe/socket assembly has been damaged and must be replaced. Removal of sockets on closely spaced grids is a delicate process. Care must be taken not to damage neighboring probes and not to enlarge the mounting hole. Depending on the probe series and socket set height; it may be necessary to remove probes from adjacent sockets to provide clearance for the tool. Proper preparation of the damaged assembly and careful use of the tool will successfully remove the socket.

Sockets are most often pushed out from the top (probe tip) side. **It is important that the tool be fitted onto the socket only when the socket is flush with the surface of the plate.** Otherwise, the tool may split the tube down the side, and wedge into the hole.

1) Remove the probe and wire from the socket:

A pair of tweezers or thin-nose pliers will make probe removal easier. Probes that are not headless may be removed with the appropriate Probe Extraction tool. Disconnect the wire by unwrapping, desoldering, or unplugging; or cut the wire if enough remains for reconnection.

2) Make the tube flush with the plate surface:

Use the appropriate Flush Insertion Tool (see table above) to drive the socket flush, taking care not to damage nearby probes. In most cases, 050-05 and 100-05 series sockets will already be mounted flush.

3) Drive out the socket:

Fit the nose of the appropriate Extraction Tool onto the flush end of the socket, and tap the tool lightly with a hammer to drive out the socket. A new socket can then be installed in the same hole using the proper Installation Tool.
If the hole was enlarged or damaged during the operation, it may be necessary to use adhesive to retain the replacement socket.