

EXTRACTION TOOL		WIRE		CONTACT SIZE	SEAL
Part Number	Color	Size Range	Maximum Insulation Diameter		
0411-204-1605	Royal Blue	0.75-1.00 mm <sup>2</sup> and 18-16 AWG	3.40 mm [.134 in.]	16	N-Seal
0411-240-2005	Red	0.35-1.00 mm <sup>2</sup> and 22-16 AWG	2.41 mm [.095 in.]	20	
0411-291-1405	Kelly Green	1.00-2.00 mm <sup>2</sup> and 16-14 AWG	3.81 mm [.150 in.]	16	N-Seal
0411-310-1605	Light Blue	0.75-1.00 mm <sup>2</sup> and 18-16 AWG	3.40 mm [.134 in.]	16	T-Seal
0411-336-1605	Dark Blue	0.50-1.00 mm <sup>2</sup> and 20-16 AWG	3.05 mm [.120 in.]	16	E-Seal

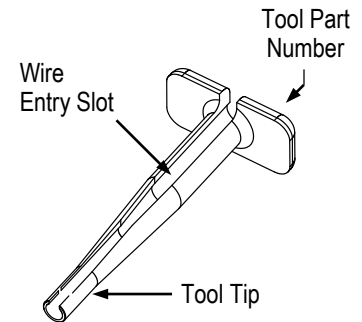


Figure 1

Each extraction tool is designed to extract individual DEUTSCH solid and stamped and formed (S&F) pin and socket contacts from rear-release connectors. Features of the tool are given in Figure 1.

### 1. USING THE TOOL

1. From the rear of the connector, align the tool tip with the contact cavity of the contact to be removed. Place the wire of the contact over the tool wire entry slot and apply light pressure on the wire until it enters the wire entry slot. See Figure 2, Detail A.
2. Slide the tool along the wire and into the contact cavity until the tool tip engages the contact and resistance is felt. See Figure 2, Detail A.



**CAUTION**

*Do not twist or insert the extraction tool at an angle; otherwise, damage to the cavity retention finger(s) will result.*

3. Gently pull the tool with the wire until the contact is removed. See Figure 2, Detail B.

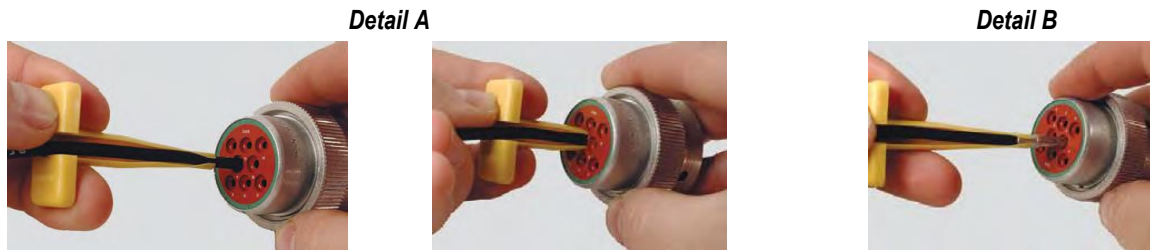


Figure 2

### 2. TOOL MAINTENANCE

It is recommended that the tool be inspected when received and at regularly scheduled intervals. The tool is not repairable and should be replaced when it is worn or damaged. Store the tool in a clean, dry place, and clean the tool with a soft, lint-free cloth. Additional tools can be purchased from:

TE Connectivity, 4849 Hempstead Station Drive, Kettering, Ohio 45429—Ph: 800-223-1236

### 3. REVISION SUMMARY

Revisions to this instruction sheet include: Added tool to Figure 1