

# SYSTEM REMOVES BROKEN BOLTS, STUDS



**M**echanics need help removing broken bolts and studs. The Army now has a new extracting kit that makes the job easier.

The X-tractalloy kit uses a welding rod as filler material to attach to the broken bolt or stud, along with a special flux that protects the threads. Once the melted rod comes to the surface of the bolt or stud hole, a standard grade 8 flat washer and nut are welded to the material. After the material cools, the bolt or stud can be removed with a standard wrench. The kit is especially useful if the broken fastener has a broken-off extractor or drill bit in it.

The kit costs \$380 and can be ordered with NSN 3439-01-537-6909. Instructions on how to use kit are included.

THE WELDING ELECTRODE SET, NSN 3439-01-537-6909, IS MADE UP OF THESE PARTS...

- Two pounds of  $3/32$ -in welding rod, NSN 3439-01-537-8145
- Two pounds of  $1/8$ -in welding rod, NSN 3439-01-537-8141
- Two pounds of  $5/64$ -in welding rod, NSN 3439-01-537-8142
- 50  $3/8$ -in flat washers, NSN 5310-01-537-8143
- 25  $5/8$ -in flat washers, NSN 5310-01-537-8144
- 25  $1/2$ -in flat washers, NSN 5310-01-537-8146
- 50  $3/8$ -in hexagon nuts, NSN 5310-01-537-8149
- 25  $5/8$ -in hexagon nuts, NSN 5310-01-537-8147
- 25  $1/2$ -in hexagon nuts, NSN 5310-01-537-8148

IF YOU HAVE QUESTIONS ABOUT THE KIT, CONTACT TACOM'S TOM LETTIS AT DSN 793-2161/(309) 782-2161 OR EMAIL [thomas.lettis@us.army.mil](mailto:thomas.lettis@us.army.mil)

