

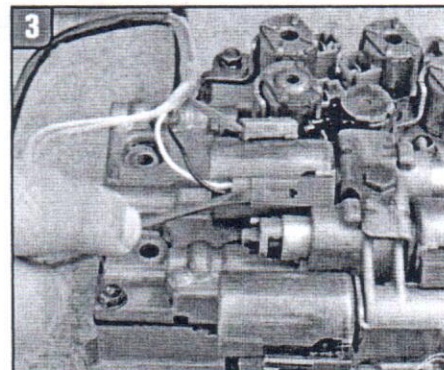
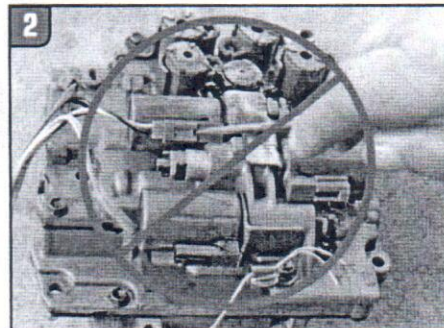
Solenoid Harnesses Damaged by Improper Removal

By Jesse Zacarias

After doing valve-body repairs or replacement in Aisin Warner transmissions, some rebuilders are starting to have electrical codes that were not there before the repairs were done. I asked some of them to send me their wiring harnesses. After inspecting the harnesses I saw what I had suspected: damaged connectors. It appears that the way the harness is removed from the solenoid is damaging the connectors (Figure 1).

They are using a pick to remove the harnesses (Figure 2). You can actually see the indentation from the pick on the harness.

The proper way to remove the harness is by lifting the holding tab at the solenoid connector. A pocket screwdriver can be modified to fit by grinding down the sides to fit inside the solenoid connector. Using the modified screwdriver, remove the harness by gently pushing in while lifting slightly (Figure 3). **ID**



Jesse Zacarias is the owner of Elec-Tran Diagnostics (www.electrandidiagnos-tics.com) in Gilroy, Calif.