Stop the chatter

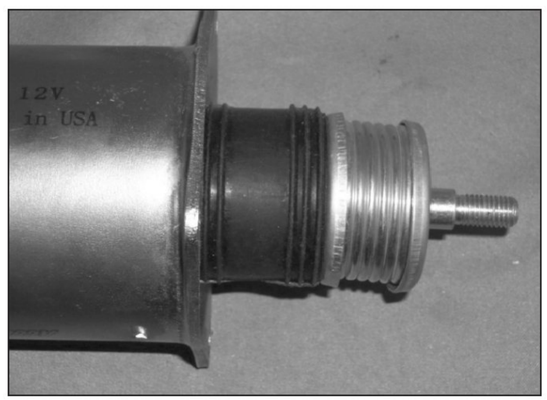
ACCUMAX Auto Parts Tech Bulletin

Are you finding 37 to 42MT solenoids chattering? It's not always the solenoid.

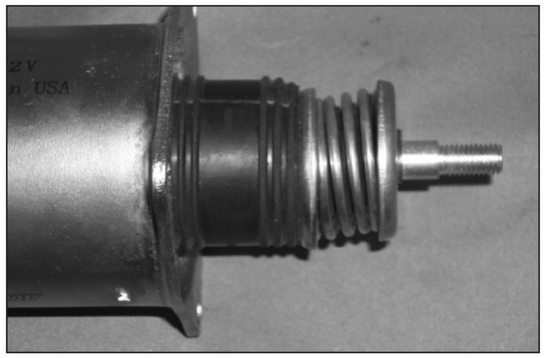
For quite some time we have researched why some 37 to 42MT solenoids are returned stating they chatter. When they are returned to us they test good. We can even install on a starter sample and they seem good. There are a lot of theories—low battery voltage, incorrect adjustment, voltage drops, and some unknown vehicle fault.

Recently, when verifying plungers, we noticed something interesting.

Notice how the spring is solid. Is the plunger seated? We can't tell. We can say that if the plunger is not seated, the solenoid can chatter. There is quite a bit of variation on this solenoid from the way the extruded washer is installed, so this makes the failure random and hard to find.



Here is a good plunger with one less turn on the spring and an air gap in the spring coils.



We are attempting to get good plungers in stock; our part number will be 105-DEP037A. Until then, we suggest checking your plunger spring. If you have to, you can shorten the extruded washer part of the solenoid by carefully grinding on it until there is some air gap in the spring, just to be sure.

We have checked the solid return versions, as well as 35MT and 40MT ACCUMAX sells, at this time we do not see an issue. We cannot verify other brands of plungers or solenoids.

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