8mm Ball for 2nd Gear Pop Out Issue

Remove the panels that cover the trans also may need to lower the trans.
Tools: 13mm socket, 8mm allen, small magnet and some sealer.
8mm ball, part no. 900 108 064 00

The trans

The plug that needs to be removes in order to gain access, bolt needs to be removed first.
Use 8mm allen to remove plug.
Plug out, clean sealer off.
Use magnet to remove spring and then detent

Add an 8mm ball (factory part) to pre-load the spring a bit more. Place the ball inside the detent and
insert the factory spring on top of it. This mod makes 2\textsuperscript{nd} gear shifts feel solid and firm.
Here is a before and after the 8mm ball
Reinstall the plug with a little sealer on the treads and then put the bolt back in the trans case.
Reinstall the under body panel.

Part number for the 8mm ball.
#29) 900 108 064 00