

User Name User Name Remember Me?
Password Log in

Register ywBLOGS YarisGarage Members List Today's Posts Search



reply

View First Unread Thread Tools Search this Thread Display Modes

Today, 01:31 AM #1

TexKid
★★★

Drives: EggBert - Yaris Liftback
Join Date: Apr 2008
Location: Houston, Tx
Posts: 403

DIY: Complete NST Shifter Bushings Install (56K Warning)

I received my set about a week or two ago and just haven't had time to post because of classes/work/finals.

But anyway, if you had an easy time following my **DIY: NST SSK-2 Install**, then you should do fine following this install for the **NST Shifter Bushing Kits**

You are basically replacing these bushings....



and



with....



and



Tools:
--10mm (3/8" drive) socket wrench
--12mm (3/8" drive) socket wrench
--Ratchet extender
--Pocket knife or flat head screwdriver for prying.
--Snap Ring Pliers



Step 1:
Park the car in Neutral with parking brake up in a well ventilated area. I promise you, you'll be glad you had a decent breeze.

Step 2:
We'll start with the easy part. The bushings for the shifter cage inside the car.

With the **10mm**, take out the bolt that holds down the center console.

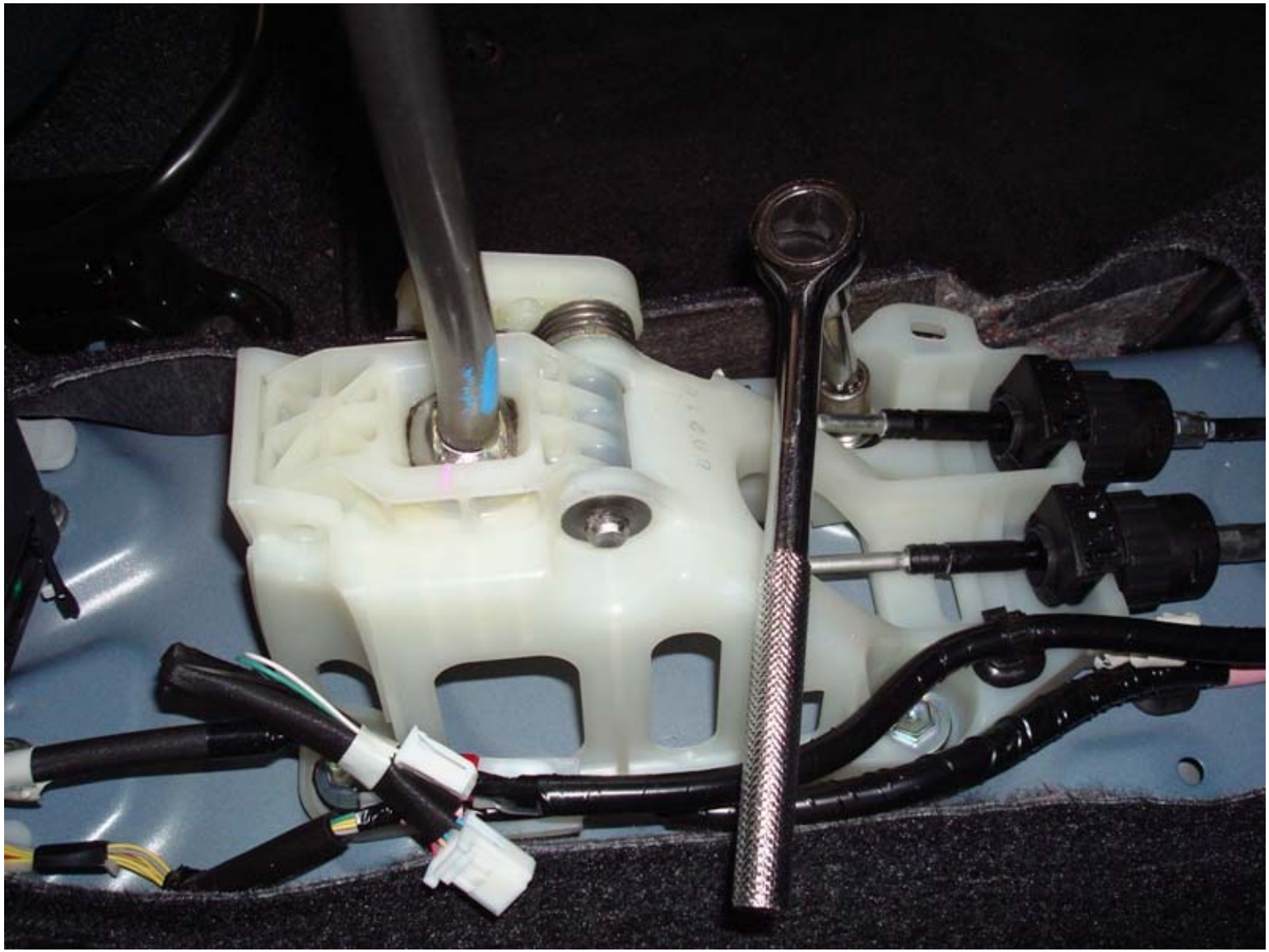


While hanging around, stick your finger under the parking brake lever and lift up the central console control panel.



Step 3:
Lift up the central console to expose the shifter assembly.

With the **12mm**, unscrew the 4 bolts that hold down the plastic cage.





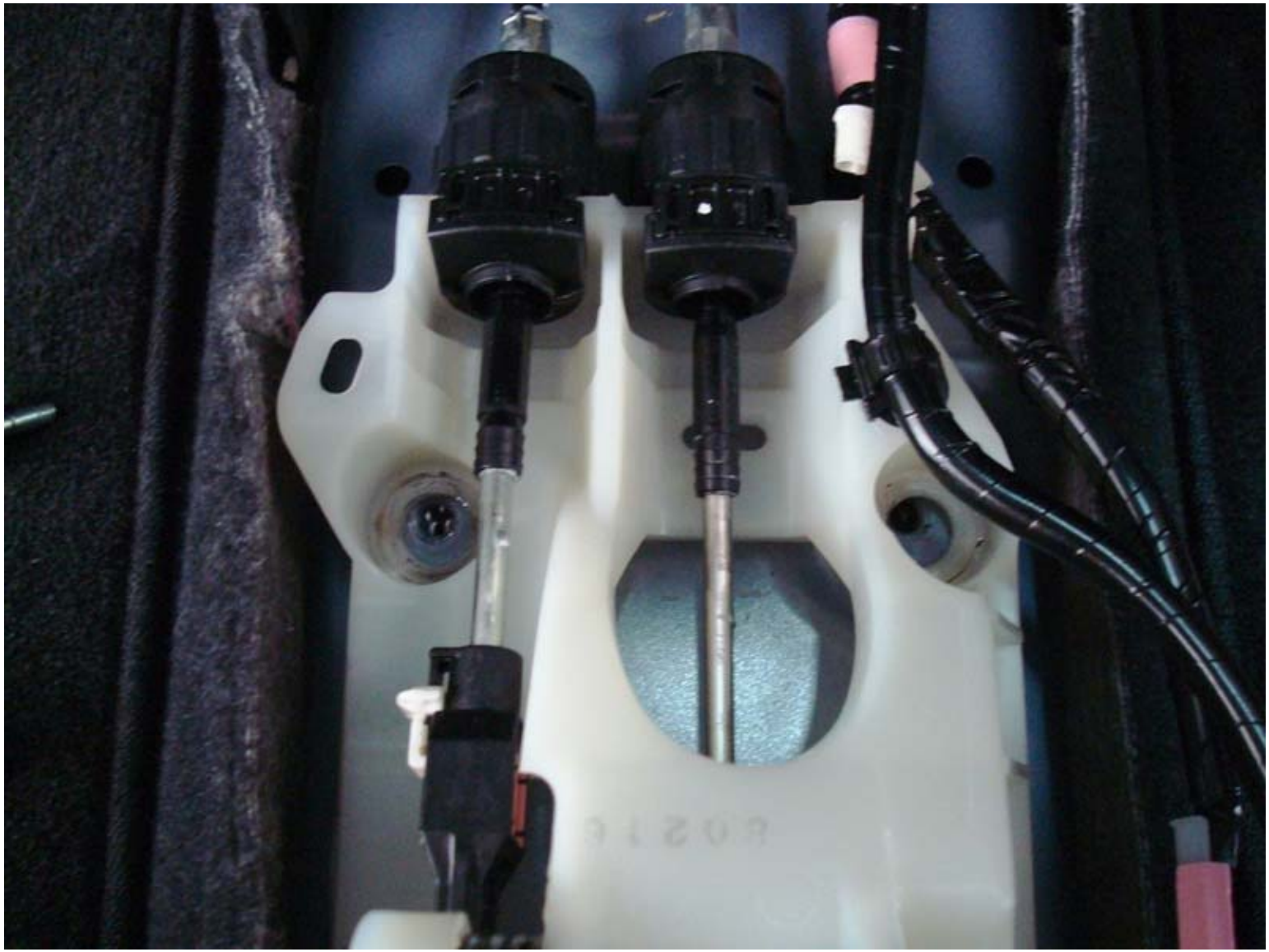
Step 4:
Turn the hold assembly, on it's side. With a pocket knife, flat head screwdriver, or sturdy nails; pry out the metal bushing that holds the rubber bushings in place.



After taking out the metals, with a thumb, manipulate and push the rubber bushing out through the bottom.



Should look like this....

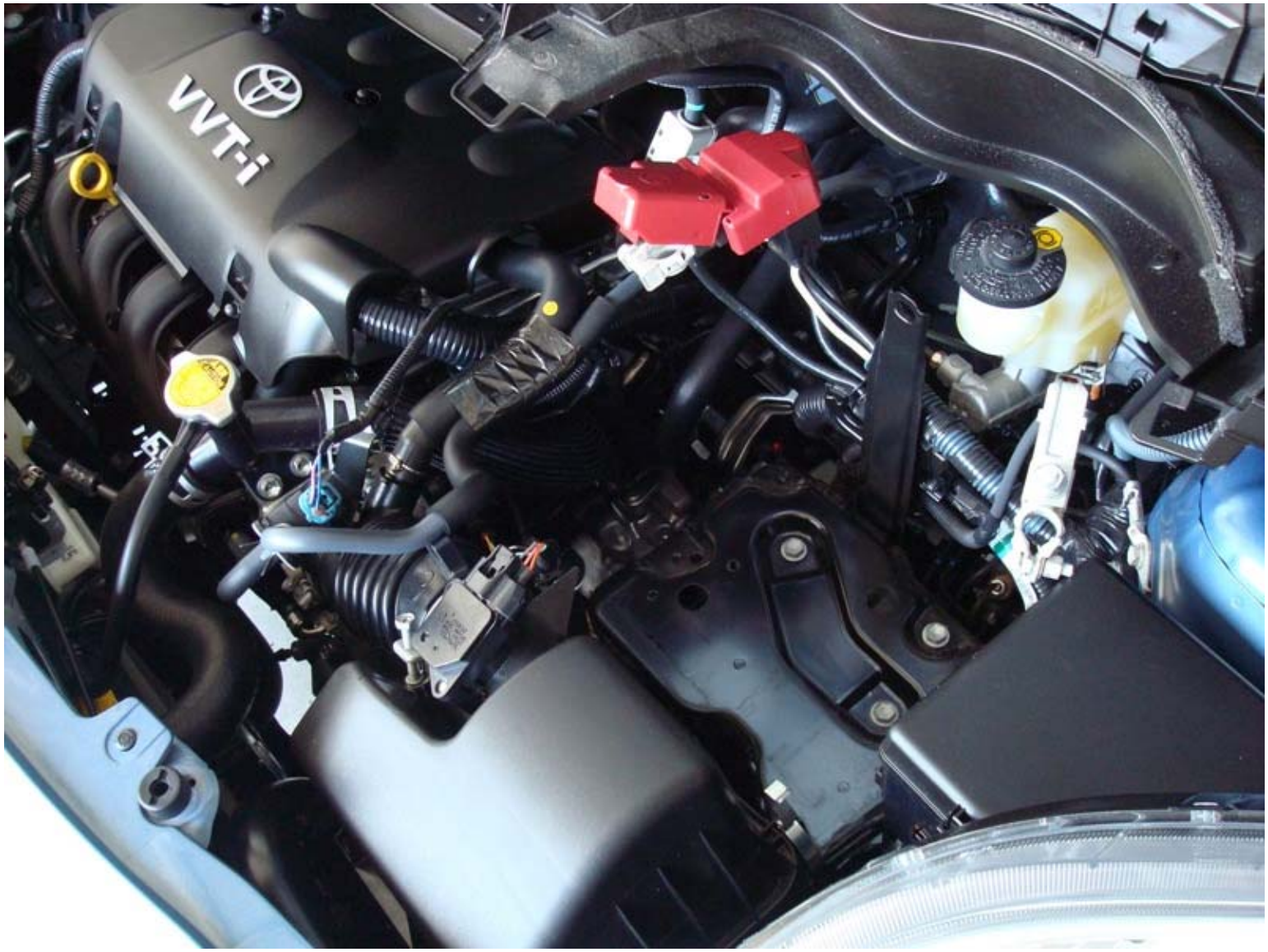


Finally...
Once done, insert the new steel bushings and reverse the process. Bam! You're done.

Lets move on to the shifter cables in the engine bay.

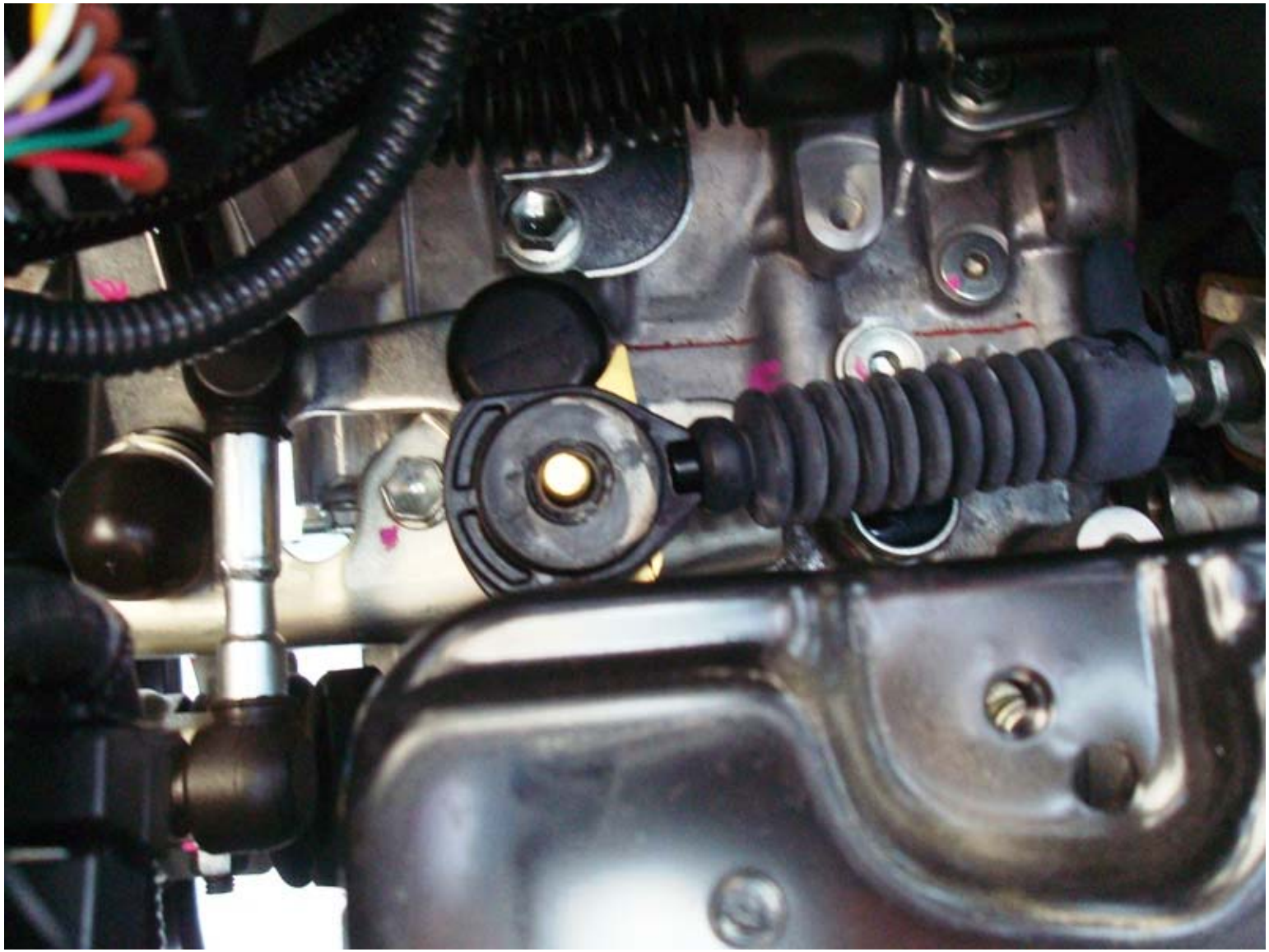
Step 1:

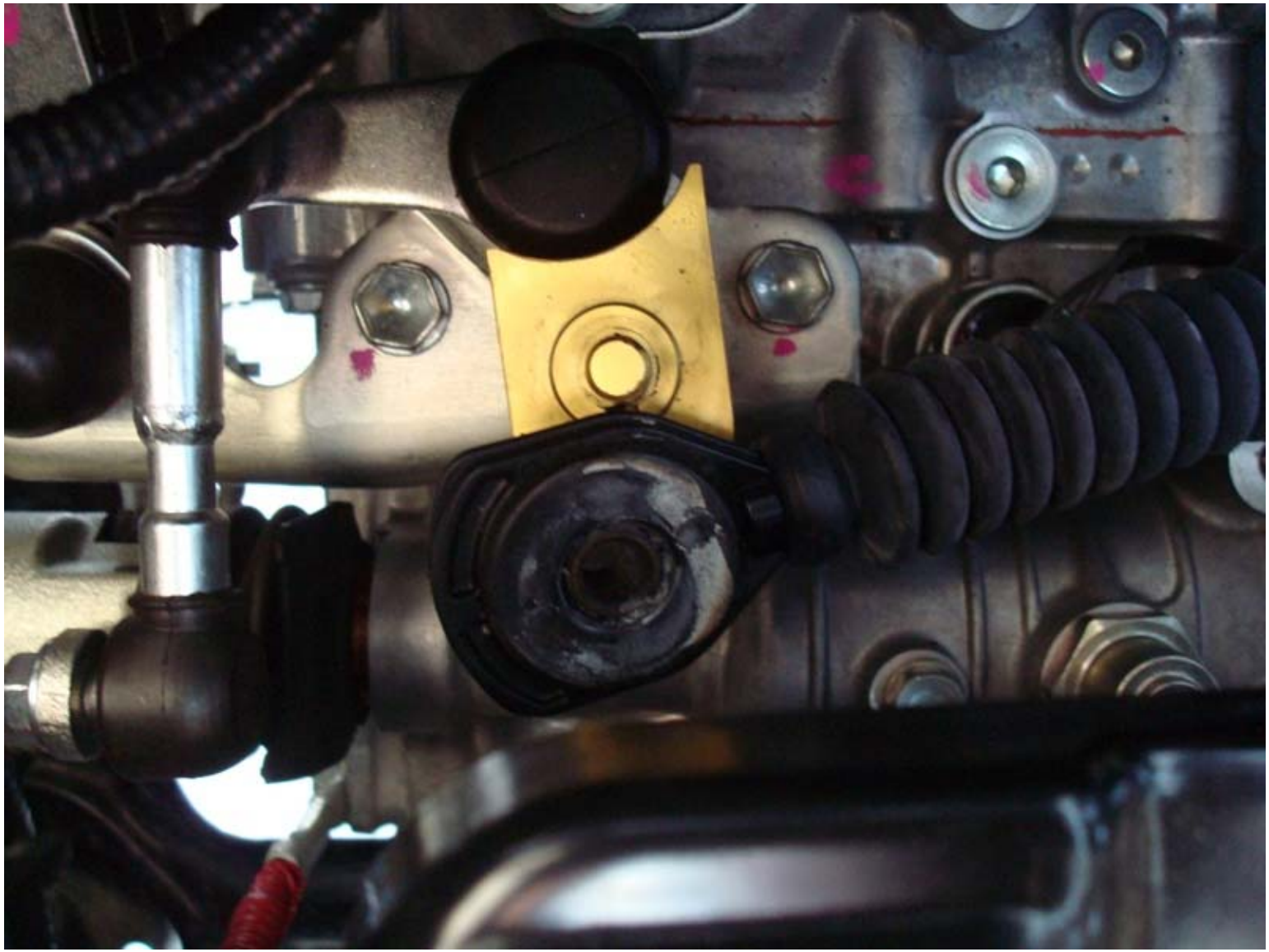
With the **10mm**, disconnect the battery cables, the battery harness, and just take out the whole battery and place it somewhere safe.



Step 2:

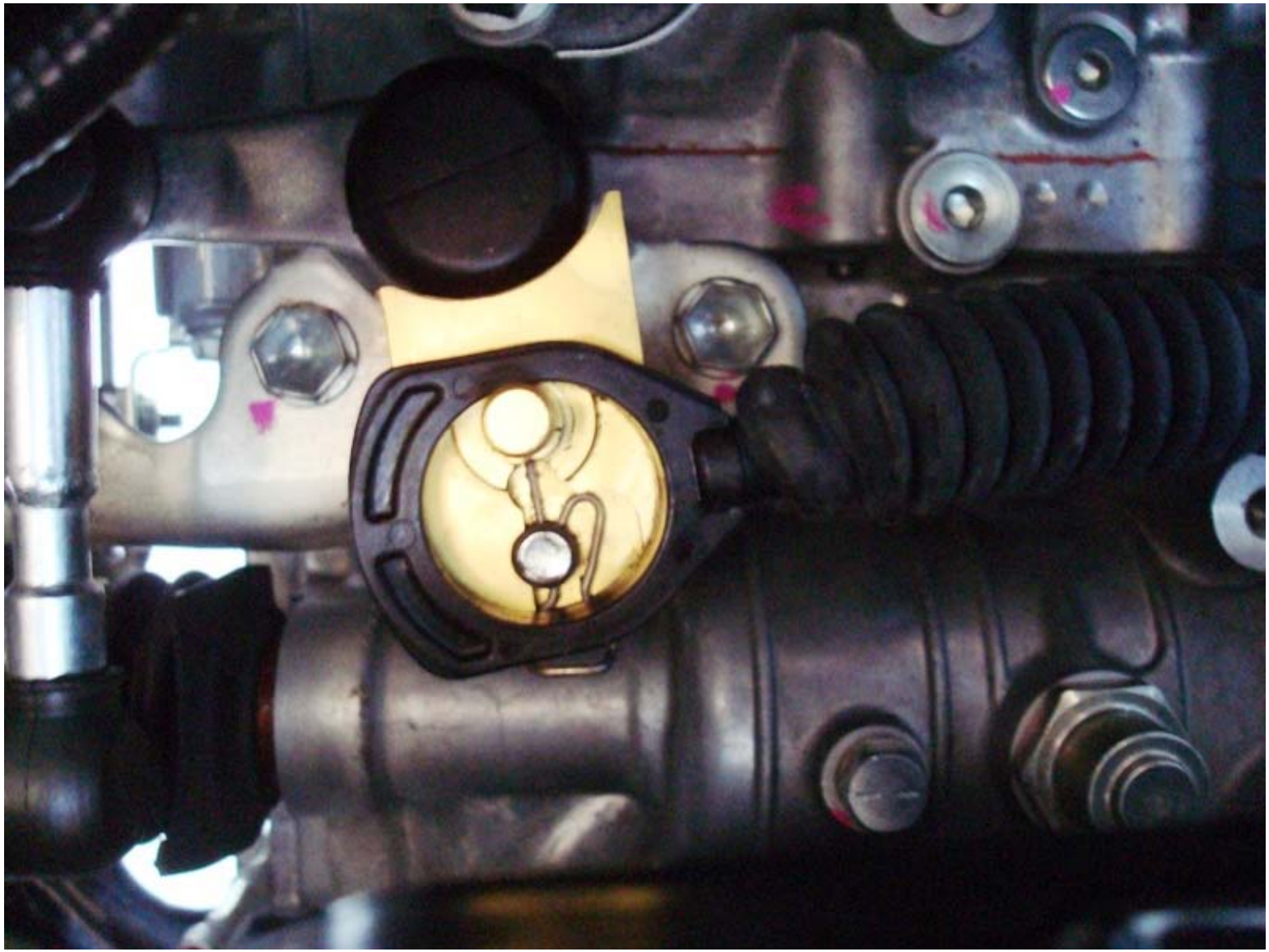
If you already have the Short Shifter Kit installed, take out the pin and left up the cable.





Step3: Part A

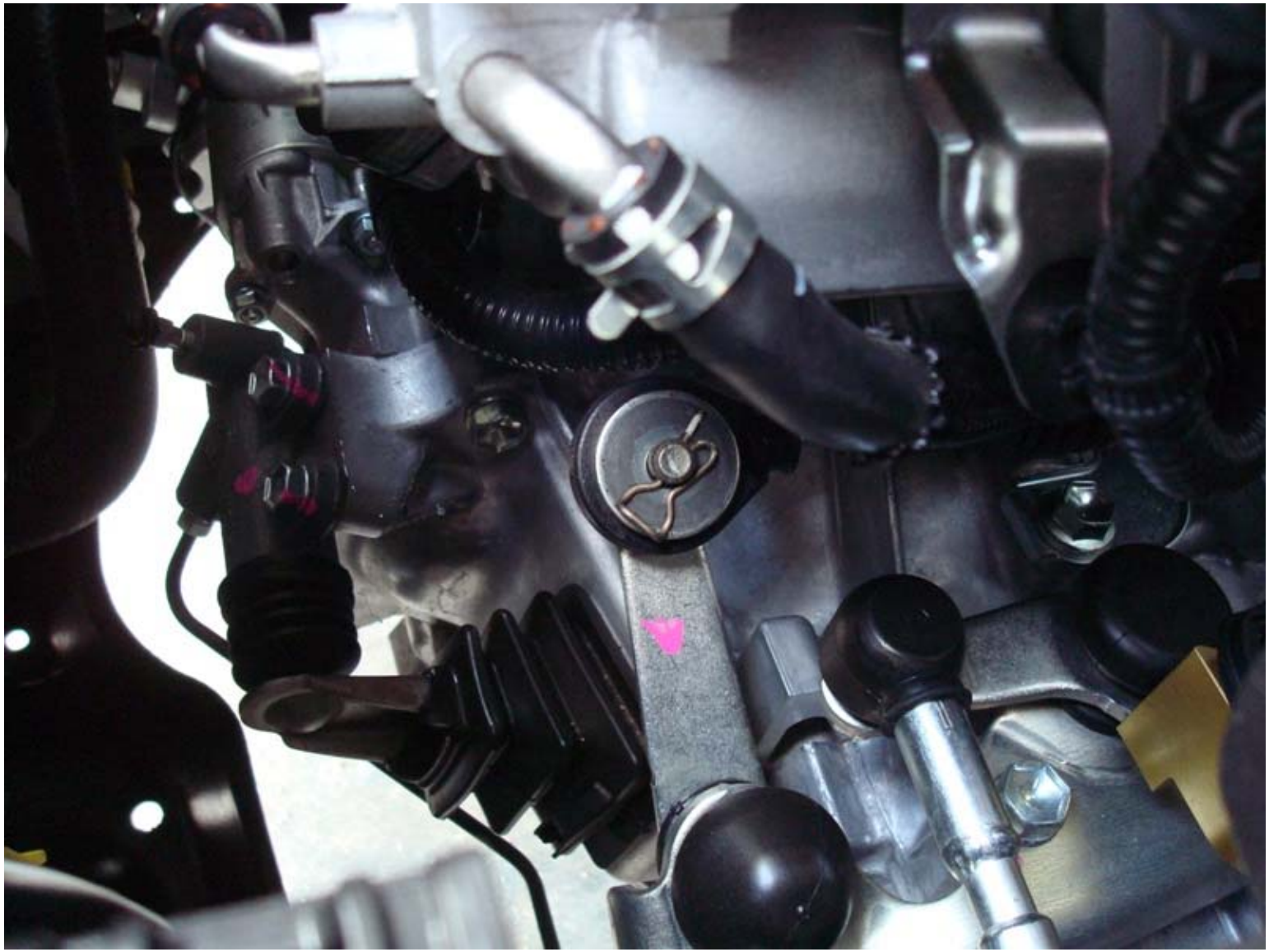
With the flat head screw driver, insert it through the center hole/ring, and pull the screw driver to an angle creating a lever action. This will help in removing the rubber bushing.



Step 3: Part B

Remove the air intake "box" and push to a side to access the other shifter cable that is under the air intake behind the radiator.


TOYOTA
17801-21050 DENSO MADE IN JAPAN



Step 4:

Place the new bushing on the Short Shifter **FIRST**. Then place the cable ring end over the bushing. This is somehow less headache than the other methods.

Step 5:

With the snap ring pliers, install the rings over the new bushings, this helps keep them in place. They will look like this.





Place the washers over them, and insert the pins.

Finally

Reverse the process to put everything back together, preset your radio stations and ENJOY!!

Conclusion:
I really do like. With RUBBER bushings, you get that "mushy" feeling because the force of the cables is absorbed through the rubber materials. Same goes with the rubber bushings in the shifter assembly/cage.

By replacing them with the metal bushings, the Short Shifter concept applies. With less FREE movement, you get more firm, precise movements. Making shifting slightly quicker and more accurate.

At the VERY least, try out the shifter cable bushings. If you love them, try out the shifter cage bushings. I already put over 500+ miles (San Antonio Trip) with the new bushings, so far no plans on going back. LOVE IT!

_____
"Badges!! We don't need no stinkin' badges"

Nigal: [shaking head] Seeing grown men fight over who's Yaris is faster is like seeing a couple of bitches get into a cat fight over who's shoes look better. LOL!

DIY: NST SSK Stage 2 Install

user: offline

quote

Today, 02:13 AM #2

eTiMaGo
Le Moderateur



View YarisWorld Garage

Drives: like an old lady... on acid!
Join Date: Sep 2006
Location: Bangkok, Thailand
Posts: 8,315
Blog Entries: 11

nice writeup, thanks!
I definitely need a set of the shifter bushings, even though I hate snap rings with a passion

_____
The price of freedom of religion, or of speech, or of the press, is that we must put up with a good deal of rubbish.
- Robert Jackson

www.microimageonline.com for all your Yaris modding needs!

www.thetorqueless.com - wildest new car-related blog!

user: online

quote

Today, 02:59 AM #3

NonStopTuning
YarisWorld Supporting Vendor

Drives: NST CARS: S13 AE86 ANT10 AW11
Join Date: Dec 2006
Location: USA
Posts: 893

AWESOME installation guide, just like the last one. Be sure to thank Noel (TexKid) everyone, and enjoy your new bushings!!!

_____
MIKE @ NST
www.NonStopTuning.com
nonstoptuning.blogspot.com

user: offline

quote

Today, 03:22 AM #4

TexKid
★★★

Drives: EggBert - Yaris Liftback
Join Date: Apr 2008
Location: Houston, Tx
Posts: 403

Thanks guys. I try my best to be as detailed as possible. Sometimes it can be a headache, LOL.

_____
"Badges!! We don't need no stinkin' badges"

Nigal: [shaking head] Seeing grown men fight over who's Yaris is faster is like seeing a couple of bitches get into a cat fight over who's shoes look better. LOL!

DIY: NST SSK Stage 2 Install

user: offline

quote

Today, 10:03 AM #5

echo_hrs
Moderator

Just got my cable bushings the other day, sitting in my office, ready to install...

Cheers

_____
Custom Projector FYI: *Custom retrofit using a set of Euro/Jap Suzuki Swift Projectors + one set of Yaris lamps + Custom Hand Fabrication...Hand-built by Autoline Motorsports in Indonesia...4 months from the*



View YarisWorld Garage

Drives: 2006 Copper Orange Yaris RS
Join Date: Jan 2006
Location: Canuck Eh!
Posts: 1,872

user: online

fabrication start until I received them...

quote

Super Savings on Fencing
Our most popular styles on sale for a limited time only!
www.FirstFence.com

reply

« Previous Thread | Next Thread »

Posting Rules

You **may not** post new threads
You **may not** post replies
You **may not** post attachments
You **may not** edit your posts

vB code is **On**
Smilies are **On**
[IMG] code is **On**
HTML code is **Off**

Forum Jump
DIY / Maintenance / Service Go

All times are GMT -4. The time now is 10:53 AM.

Powered by vBulletin® Version 3.6.8
Copyright ©2000 - 2008, Jelsoft Enterprises Ltd.