



BNR Valve Cover Reinforcement Guide

This product fits the GM LUV/LUJ 1.4T Engine. Install should take around 15-30 minutes.

Tools Required:

- T30 Socket (Only if running LS7 Ignition Kit)
- E10 or 6 sided 8mm Socket
- 5mm Allen Socket
- In-lb Torque Wrench
- A couple open handed wrenches, medium sized

1. With the engine cold, remove your engine cover or LS7 coils if equipped (T30)
2. Loosen the back 2 valve cover bolts using a ratchet and an E10 socket. You can alternatively use a 6 sided 8mm. See image on website for which bolts to remove if unsure.
3. Use a pair of pliers to pull up on the bolts to remove them with the sleeve that is attached to them. You can't remove them without the sleeves so don't worry about dropping the sleeve or anything, it's attached to the bolt.
4. Remove the factory bolts from the sleeves. You need to re-use these sleeves. We made a tutorial showing how to do this using a couple medium size wrenches. You can view it here- <https://www.youtube.com/watch?v=UwlkzsFpxhs>. Basically use the 2 wrenches to pry the bolt up while applying downward force on the sleeve to pop the bolt out.
5. Place the empty sleeves back into the valve cover bolt holes
6. Install the BNR Valve Cover Reinforcement and the new bolts, which will thread into the original sleeves. These new bolts are 5mm Allen Socket heads.
7. Using your In-Lb torque wrench, tighten the bolts to 71 In-Lb per GM specifications.
8. Reinstall your engine cover or LS7 coils.