

Need GRS Facts? We've Got Your Backs!

CONNIE, I KNOW PS HAS WRITTEN ABOUT GUNNER RESTRAINT SYSTEMS (GRS) BEFORE, BUT WE STILL HAVE SOME QUESTIONS ABOUT HOW TO USE THEM.



NO WORRIES! HERE'S WHAT YOU SHOULD KNOW...

What's a GRS?

THE GRS IS PART OF AN OCCUPANT PROTECTION SYSTEM THAT INCLUDES A HARNESS, TAIL STRAP, A RIGIDLY MOUNTED RETRACTOR, AND POSSIBLY A TURRET SEAT ASSEMBLY.

IT'S A PERSONAL SAFETY RESTRAINT DEVICE, JUST LIKE SEAT BELTS, SEAT BELT RESTRAINT SYSTEMS, SAFETY STRAPS, AND OTHER SAFETY DEVICES USED TO SECURE OR PROVIDE A SAFETY MECHANISM FOR SOLDIERS OPERATING OR RIDING IN A VEHICLE.



GRS Guidance

AS DIRECTED BY TACOM SOUM 10-022, YOU **MUST** VIEW THE GUNNER'S RESTRAINT SYSTEM VIDEO **BEFORE** OPERATING THE GRS.

THE VIDEO IS AVAILABLE ONLINE AT: <https://atn.army.mil>



JUST CLICK ON VIDEOS ON THE TOP MENU AND THEN GO TO TRAINING SKILLS VIDEOS TO RETRIEVE IT. YOU CAN WATCH IT IN LESS THAN 15 MINUTES.

ALSO, TACOM SOUM 09-013 PROVIDES **MORE** GRS GUIDANCE. YOU CAN EYEBALL IT AND TACOM SOUM 10-022 AT THESE LINKS...

https://tulsa.tacom.army.mil/safety/soum/tacom_wn/soum09-013.html
https://tulsa.tacom.army.mil/safety/soum/tacom_wn/sou10-022.html

GRS PMCS

OPERATORS, BE SURE YOU READ AND FOLLOW THE GRS OPERATION AND MAINTENANCE GUIDANCE FOUND IN THE LATEST TM OR TB.

HMMWV, FMTV AND MRAP USERS MUST PERFORM THE FOLLOWING GRS PMCS...



Check the harness, tail strap, sling seat, mount retractor, turret brackets, buckles and clasp ends for security, damage and proper operation. If the harness, tail strap, or sling seat assembly is missing, frayed, damaged, or doesn't fasten, adjust, retract or operate as designed, the vehicle is **NMC**.

Check the spring-loaded pin, D-ring, and quick-release for bends or cracks, too. If you find bends or cracks, your vehicle is **NMC**.

And finally, if you see that the spring-loaded pin doesn't fully seat into the female buckle, your vehicle is **NMC**.

Make sure you have and use a working GRS on your vehicle. Otherwise, you could be badly hurt or killed if there's a rollover accident.

Which GRS is Best?

THE ONLY APPROVED GRS DEVICES ARE THOSE CERTIFIED BY TACOM. MAKE SURE YOU USE THE RIGHT GRS FOR YOUR VEHICLE MODEL.

THAT ALLOWS YOU TO USE THE CORRECT LOWER RETRACTOR AND MOUNTING BRACKETS FOR YOUR VEHICLE.

MIXING OR MODIFYING PERSONAL SAFETY RESTRAINT SYSTEM KITS OR COMPONENTS PUTS YOU AT SERIOUS RISK.

THE ONLY APPROVED GUNNER'S RESTRAINT HARNESSES ARE NSN 4240-01-542-8160, AND FOR MRAP, NSN 2540-01-593-9739.



Kits that contain GRS harness, NSN 4240-01-542-8160, are:

- Basic HMMWV gunner restraint kit, NSN 2540-01-559-1734
- M1114 up-armored HMMWV kit, NSN 2540-01-542-7412
- M1151A1 up-armored HMMWV kit, NSN 2540-01-542-1130
- M1167 TOW up-armored HMMWV (no kit is available, so use gunner restraint harness, NSN 4240-01-542-8160, and the lower retractor, NSN 2540-01-573-9444)
- Cougar (all models) kit, NSN 2540-01-542-7412
- PLS (base) and HEMTT (base/A1/A2), NSN 2540-01-582-5139
- FMTV long-term armored strategy (LTAS) kit, NSN 2540-01-571-8576
- FMTV low signature armored cab (LSAC) kit, NSN 2540-01-569-6578
- FMTV RADIANT armored crew kit (RACK) kit, NSN 2540-01-569-8599 (unarmored trucks can also use the RACK design)

Kits that contain GRS harness, NSN 2540-01-593-9739, are:

- MRAP and route clearance models: CAIMAN (all variants), JERRV, M-ATV, MaxxPro Ambulance, MaxxPro Cat I, MaxxPro Dash, MaxxPro MEAP, MaxxPro Plus, M1227 Panther, RG-31A0 (MKI, MKII, MKIII), RG-31A1 (MKV), RG-31A2 D04, RG31A2 (MKVE), RG31A2 RTR and RG33 (all models) kit, NSN 2540-01-597-6306.

AGAIN, **DO NOT** MIX OR MODIFY COMPONENTS OF GRS KITS. THAT'S **NOT AUTHORIZED!**

COMMERCIALY AVAILABLE GRS ARE **NOT AUTHORIZED** FOR USE IN ARMY VEHICLES, **EITHER.**

REPLACE ANY UNAUTHORIZED GRS WITH THE AUTHORIZED VERSION.



Deadline Guidelines

THE OFFICIAL GUIDANCE ON DEADLINING IS THIS...

The absence of a TACOM-approved GRS in wheeled vehicles with turrets will subject that vehicle to an immediate administrative deadline. However, unit commanders can "circle X" the vehicle fault if the gunner's position is not manned during a mission. If the gunner's position is manned, commanders or their representatives can make the decision to authorize vehicle dispatch based on urgency of mission requirements.



Reinforce Rollover Rehearsals

COMMANDERS, MAKE SURE YOUR SOLDIERS ARE TRAINED AND REHEARSED IN ROLLOVER AND EGRESS DRILLS.

THE GRS PROVIDES MAXIMUM PROTECTION WHEN SOLDIERS ARE TRAINED AND READY FOR A ROLLOVER.



Editor's Note: Remember, the GRS only prevents ejection. It won't pull the gunner back into the vehicle!

PS END