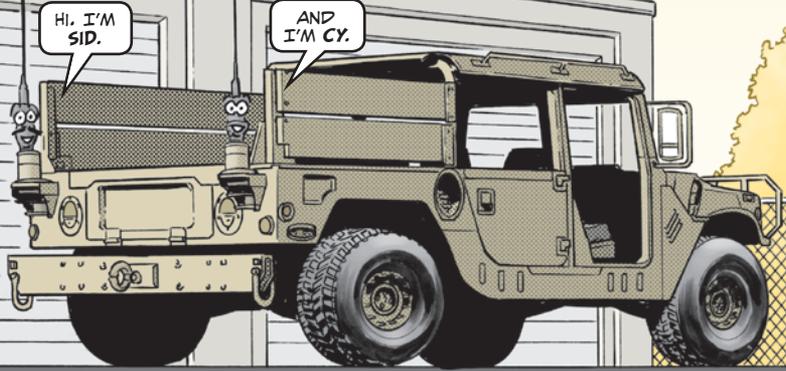
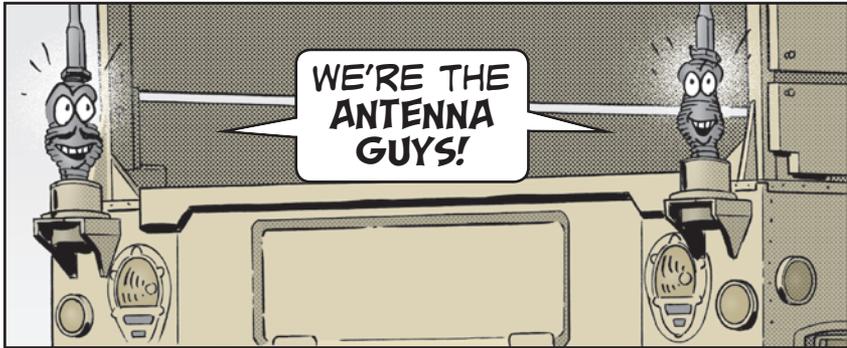


SID AND CY, THE ANTENNA GUYS IN "CHECK OUT MY MATCHING UNIT"

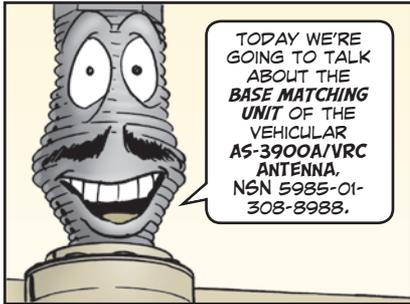


Hi, I'm SID.

AND I'M CY.



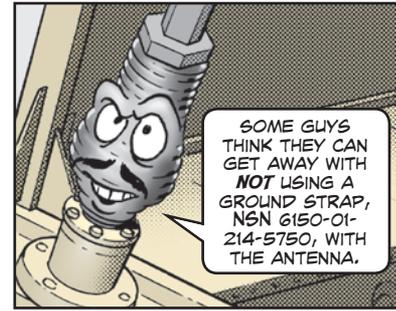
WE'RE THE ANTENNA GUYS!



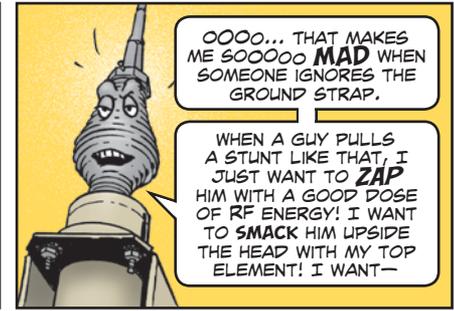
TODAY WE'RE GOING TO TALK ABOUT THE **BASE MATCHING UNIT** OF THE VEHICULAR **A5-3900A/VRC ANTENNA**. NSN 5985-01-308-8988.



IN PARTICULAR, WE'RE GOING TO FOCUS ON THE **GROUND STRAP**.

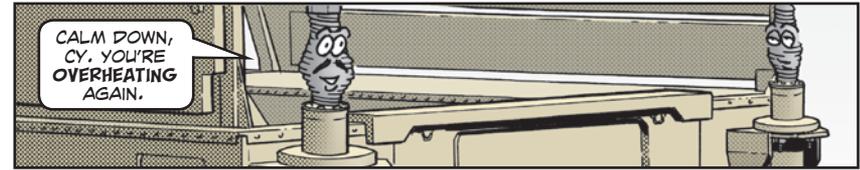


SOME GUYS THINK THEY CAN GET AWAY WITH **NOT** USING A GROUND STRAP, NSN 6150-01-214-5750, WITH THE ANTENNA.

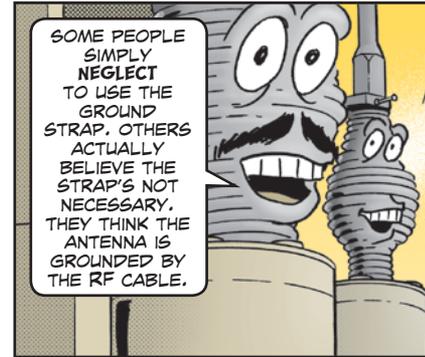


OOOO... THAT MAKES ME SOOOOO **MAD** WHEN SOMEONE IGNORES THE GROUND STRAP.

WHEN A GUY PULLS A STUNT LIKE THAT, I JUST WANT TO **ZAP** HIM WITH A GOOD DOSE OF RF ENERGY! I WANT TO **SMACK** HIM UPSIDE THE HEAD WITH MY TOP ELEMENT! I WANT—

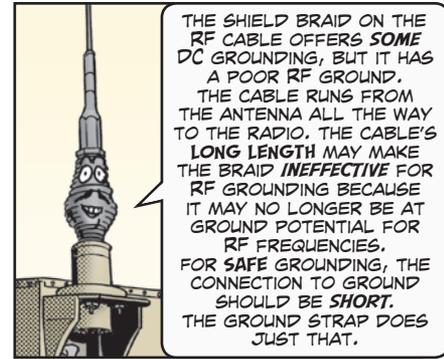
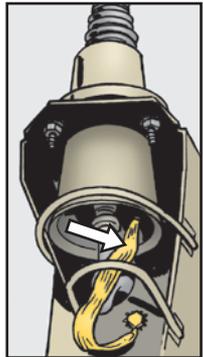


CALM DOWN, CY. YOU'RE OVERHEATING AGAIN.

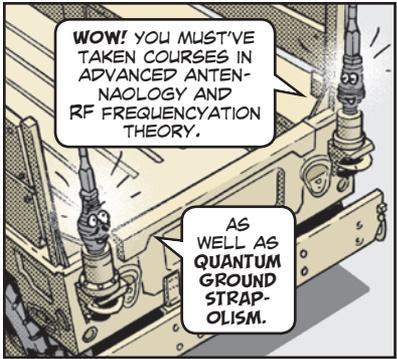


SOME PEOPLE SIMPLY **NEGLECT** TO USE THE GROUND STRAP. OTHERS ACTUALLY BELIEVE THE STRAP'S NOT NECESSARY. THEY THINK THE ANTENNA IS GROUNDED BY THE RF CABLE.

BUT HERE ARE THE **FACTS**: THE ANTENNA **MUST** HAVE A WORKING GROUND STRAP THAT RUNS FROM THE BASE MATCHING UNIT TO THE VEHICLE. WITHOUT THE GROUND STRAP, YOUR RADIO IS **NOT** FULLY MISSION CAPABLE.



THE SHIELD BRAID ON THE RF CABLE OFFERS **SOME** DC GROUNDING, BUT IT HAS A POOR RF GROUND. THE CABLE RUNS FROM THE ANTENNA ALL THE WAY TO THE RADIO. THE CABLE'S **LONG** LENGTH MAY MAKE THE BRAID **INEFFECTIVE** FOR RF GROUNDING BECAUSE IT MAY NO LONGER BE AT GROUND POTENTIAL FOR RF FREQUENCIES. FOR **SAFE** GROUNDING, THE CONNECTION TO GROUND SHOULD BE **SHORT**. THE GROUND STRAP DOES JUST THAT.



WOW! YOU MUST'VE TAKEN COURSES IN ADVANCED ANTENNAOLOGY AND RF FREQUENCYATION THEORY.

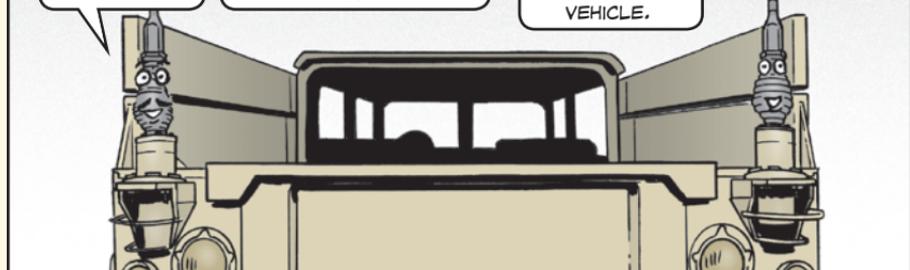
AS WELL AS QUANTUM GROUND STRAP-OLISM.

THE GROUND STRAP ALSO HELPS EQUALIZE THE ELECTRICAL DIFFERENCE BETWEEN THE ANTENNA AND THE VEHICLE.

THAT'S FOR YOUR SAFETY AND THE EQUIPMENT'S SAFETY IF THE ANTENNA CONTACTS A POWER LINE, TAKES A LIGHTNING STRIKE OR IS EXPOSED TO AN ELECTRO-MAGNETIC PULSE.

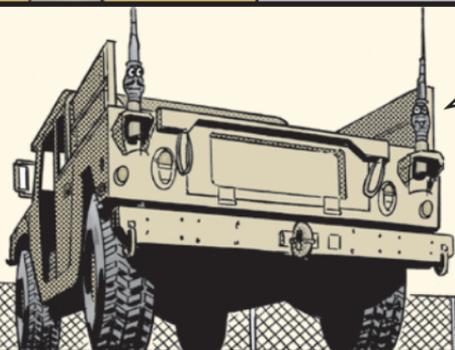
SO, MAKE SURE YOU HAVE A GROUND STRAP RUNNING FROM THE AS-3900A/VRC ANTENNA BASE MATCHING UNIT TO THE VEHICLE.

AND MAKE SURE THE CONNECTIONS ARE TIGHT AND METAL TO METAL.



HERE'S THE HARDWARE YOU'LL NEED...

Item	Qty	NSN
Screw to hold ground strap to base	1	5305-01-225-2589
Lock washer for base connection	1	5310-01-205-9199
Bolt to hold ground strap to vehicle	1	5306-00-225-9086
Lock washer for vehicle connection	2	5310-00-889-2527



THE TWO LOCK WASHERS FOR THE VEHICLE CONNECTION HAVE **GRIPPING TEETH**. THE TEETH SCORE THE PAINT ON YOUR VEHICLE AND ENSURE GOOD METAL-TO-METAL CONTACT.

PUT ONE LOCK WASHER ON THE BOLT. NEXT, PUT THE GROUND STRAP LUG AND THE OTHER LOCK WASHER ON THE BOLT. THEN SCREW THE BOLT INTO THE VEHICLE.

DOES THIS ANTENNA MOUNT MAKE MY BASE MATCHING UNIT LOOK FAT?

ER... AH... SORRY, MY RECEPTION'S GETTING A LITTLE FUZZY.



NUTS! I **KNEW** I SHOULD'A SKIPPED THAT EXTRA DESSERT!

PS
END