

HMMWVs...

PICK THE RIGHT TIRE AND WHEEL ASSEMBLY

HEY, WE JUST GOT IN SOME NEW 24-BOLT TIRE AND WHEEL ASSEMBLIES.

YOU'RE FINALLY GONNA GET THAT NEW FRONT TIRE YOU'VE BEEN NEEDING.

HMMM... DID YOU CHECK THE TIRES? I'VE GOT GOODYEAR MT TIRES, SO MY REPLACEMENT WILL HAVE TO BE THE SAME.



Dear Half-Mast,

In my unit, we're seeing a lot of the new 24-bolt tire and wheel assemblies installed on our HMMWVs. But there are still quite a few of the 12-bolt assemblies out there, too.

Is it OK to mix 12- and 24-bolt assemblies on the same vehicle?

SSG E.J.F.

THIS MAY GET A LITTLE COMPLICATED, SERGEANT, SO BEAR WITH ME.



THERE ARE THREE **DIFFERENT** TIRE AND WHEEL ASSEMBLIES AVAILABLE FOR THE HMMWV.

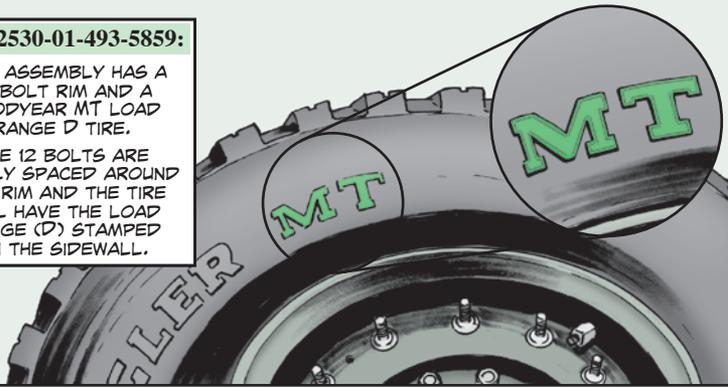
SO FIRST, LET'S LEARN A LITTLE MORE ABOUT THEM.



NSN 2530-01-493-5859:

THIS ASSEMBLY HAS A 12-BOLT RIM AND A GOODYEAR MT LOAD RANGE D TIRE.

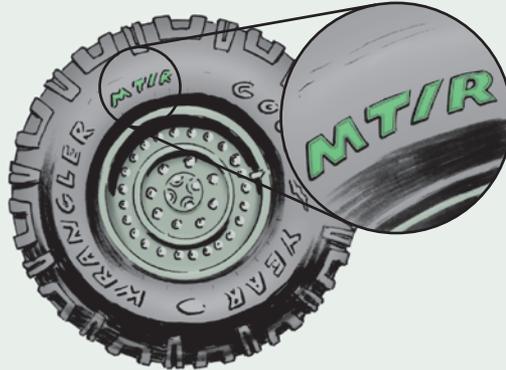
THE 12 BOLTS ARE EVENLY SPACED AROUND THE RIM AND THE TIRE WILL HAVE THE LOAD RANGE (D) STAMPED ON THE SIDEWALL.



NSN 2530-01-558-2138:

THIS ASSEMBLY CAN COME WITH EITHER A 12- OR 24-BOLT RIM AND EITHER A GOODRICH BAJA OR GOODYEAR MT/R LOAD RANGE D TIRE.

THE BOLTS ON THESE ASSEMBLIES ARE EVENLY SPACED AROUND THE RIM AND BOTH TIRES WILL HAVE THE LOAD RANGE (D) STAMPED ON THE SIDEWALL.

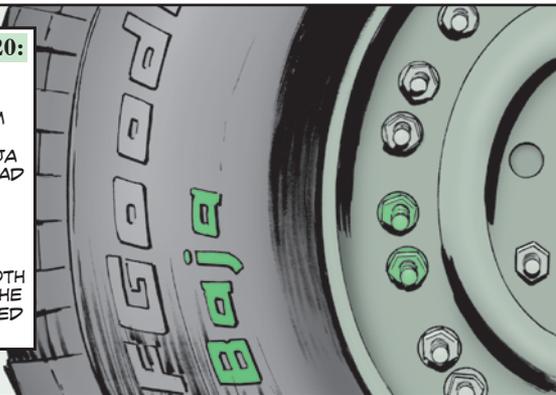


ANY OF THE ASSEMBLIES UNDER THIS NSN (12- OR 24-BOLT, GOODRICH BAJA OR GOODYEAR MT/R) CAN BE MIXED ON THE SAME VEHICLE WITH **NO PROBLEMS**.

NSN 2530-01-563-8620:

THIS ASSEMBLY COMES WITH EITHER A 20- OR 24-BOLT RIM AND EITHER A GOODRICH BAJA OR GOODYEAR MT/R LOAD RANGE E TIRE.

THE BOLTS ON THESE ASSEMBLIES ARE ARRANGED IN TANDEM AROUND THE RIM AND BOTH TIRE TYPES WILL HAVE THE LOAD RANGE (E) STAMPED ON THE SIDEWALL.



Mixing Assemblies

NOW HERE'S WHERE IT GETS COMPLICATED!

YOU **CANNOT** MIX ONE ASSEMBLY NSN WITH ANOTHER ASSEMBLY NSN.

IN OTHER WORDS, IF YOUR VEHICLE IS EQUIPPED WITH NSN 2530-01-493-5859, **ANY** REPLACEMENT ASSEMBLY MUST ALSO BE THAT NSN.

THIS RULE HOLDS TRUE FOR THE **OTHER** TWO ASSEMBLIES AS WELL.

MISTAKE #1

BOTH THE -5859 ASSEMBLY AND THE 12-BOLT -2138 ASSEMBLY LOOK VERY **SIMILAR**. BOTH HAVE EVENLY SPACED 12-BOLT RIMS AND BOTH HAVE LOAD RANGE D TIRES.

SOLUTION #1

YOU CAN TELL THESE TWO ASSEMBLIES APART BY LOOKING AT THE MANUFACTURER'S NAME AND MODEL STAMPED ON THE TIRE'S SIDEWALL. THE -5859 ASSEMBLY HAS THE GOODYEAR MT TIRE AND THE -2138 ASSEMBLY COMES WITH EITHER THE GOODRICH BAJA OR GOODYEAR MT/R TIRE.

MISTAKE #2

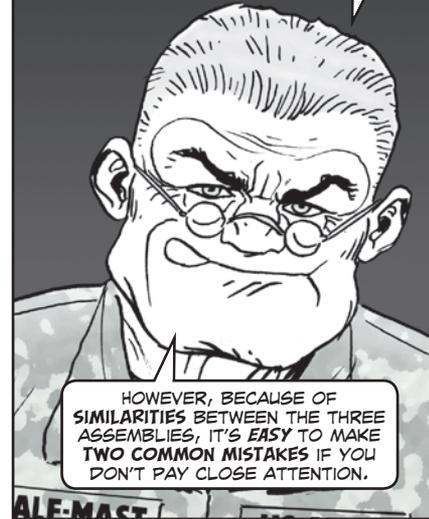
IT'S ALSO EASY TO MIX UP THE 24-BOLT -2138 ASSEMBLY WITH THE 24-BOLT -8620 ASSEMBLY, SINCE BOTH COME WITH EITHER A GOODRICH BAJA OR GOODYEAR MT/R TIRE.

SOLUTION #2

THERE ARE **TWO** WAYS TO TELL THE TWO ASSEMBLIES APART.

FIRST, LOOK AT THE BOLT SPACING. THE BOLTS ON THE -2138 ASSEMBLY ARE EVENLY SPACED AROUND THE RIM. THE BOLTS ON THE -8620 ASSEMBLY ARE ARRANGED IN TANDEM AROUND THE RIM.

SECOND, LOOK AT THE LOAD RANGE STAMPED ON THE TIRE'S SIDEWALL. THE -2138 ASSEMBLY WILL HAVE A "D" STAMPED ON IT. THE -8620 ASSEMBLY WILL BE STAMPED "E."



HOWEVER, BECAUSE OF SIMILARITIES BETWEEN THE THREE ASSEMBLIES, IT'S **EASY** TO MAKE **TWO COMMON MISTAKES** IF YOU DON'T PAY CLOSE ATTENTION.

IT'S **ALSO** IMPORTANT TO NOTE THAT **ALL THREE** OF THESE TIRE AND WHEEL ASSEMBLIES (NSNs 2530-01-558-2138, 2530-01-493-5859 AND 2530-01-563-8620) ARE **KNOWN READINESS DRIVERS**.

