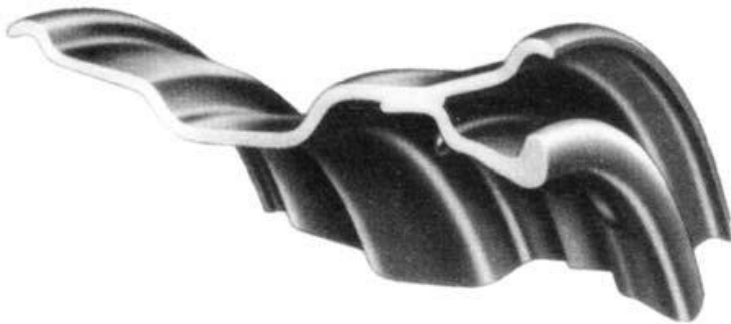


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Topic: Proper Installation of Hub Piloted wheels

CCM has recently begun accepting some new production chassis equipped with Hub Piloted wheels. Since this equipment is vastly different than the demountable rims that are predominant in the fleet it is the purpose of this document to provide a quick reference to the installation of hub piloted disk wheels.

There are many differences between the Disk wheels and the demountable rims currently used. In order to ensure that all are clear on the differences in rims, please note the following depictions of both types rim:



Demountable Tubeless rim (1100X22.5)



Demountable Multi-piece Tube type rim



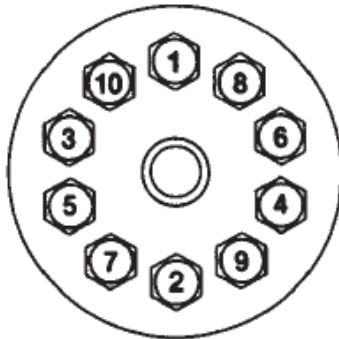
Tubeless Disk Wheel

The 4 most notable differences which we must be concerned with are

1. There is no need for a spacer when using disk wheels – the shape of the wheel itself provides proper clearance between the dual mount tires
2. Disk wheels employ swivel nuts instead of the traditional clamps and lug nuts employed on demountable rims. **NOTE:** these nuts are not interchangeable. Attempting to use traditional lug nuts from demountable rims on a disk wheels will cause damage to the nut, stud and possibly to the wheels(s) and hub.
3. There are twice the number of lug nuts employed on Disk wheels (10) than there are in demountable rims (5)
4. Disk Wheel requires more than twice the torque of demountable rims. Where the required torque of demountable rims is **200 – 260 ft-lbs** the required torque for proper installation of disk wheels is **450 – 500 ft-lbs**.

It should be noted that major damage to the rims, studs and possibly the hub can occur due to failure to torque the wheels in the proper sequence. For your guidance please note that the following sequence should be used at all times when mounting disk wheels:

Nut Tightening Sequence



It is also important to remember to align the hand holes in the inner and outer disk wheels in order to allow proper access to the valve stems for airing. For this reason attention also needs to be paid to the style of disk wheel being installed/changed. There are several different styles of disk wheels and they are not compatible. Particular attention needs to be paid to the number of hand holes present in the wheel. A wheel with 2 hand holes is not compatible with a disk wheel with 5 hand holds for example. Care must be taken to ensure that the number of hand holes is matched in dual wheel installations.

For more information on proper wheel inspection and installation we strongly recommend that you download the Accuride Rim/Wheel Safety and Service Manual available at Accuridecorp.com. For your convenience a link to this document has been provided below:

[Accuride-Wheels-Safety-Service-Manual](#)

Particular attention should be paid to sections XII and XV of this manual.