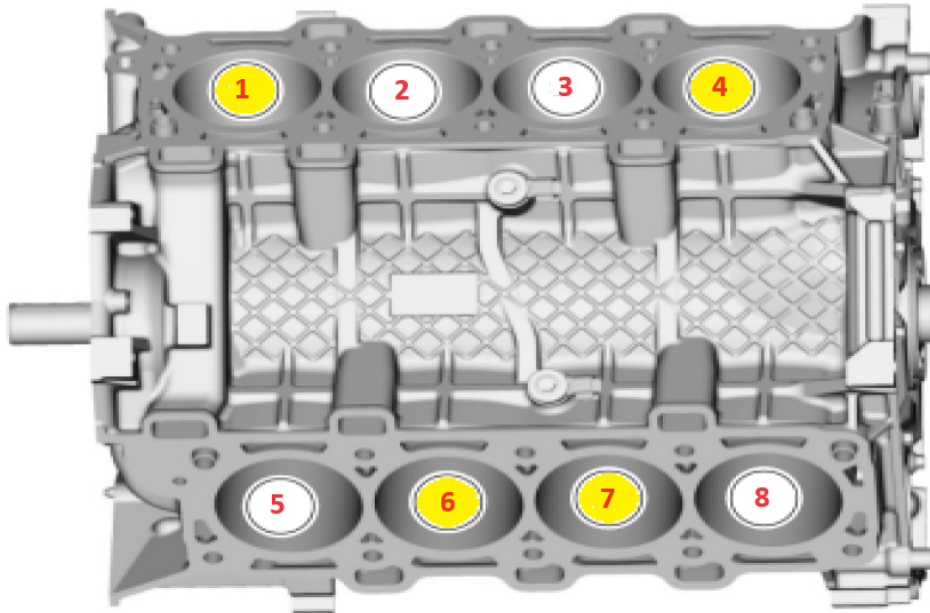


## **Cylinder Deactivation Caution on 2021-24 Ford GEN III 5.0L Coyote Engines**

The AERA Technical Committee offers the following information regarding a cylinder deactivation caution on 2021-24 Gen III 5.0L Coyote engines. This engine uses cylinder deactivation, and it is important that the rocker arms & lifters are installed in the proper location.

During engine disassembly, it is encouraged to keep the rockers and lifters oriented to the cylinder that they came out of. If they were not kept in order by cylinder location, this bulletin will assist you on which locations get which type of rockers and lifters system.

Because of the cylinder deactivation system, there are two styles of rockers and lifters used on this engine depending on which cylinders are used in the deactivation system. The cylinders shown in Figure 1 in yellow are the ones that are used in the deactivation system and the ones in white are normal cylinders.



**Figure 1: Yellow Cylinders 1, 4, 6 & 7 Deactivate**

Looking at the rocker arms, the wider rocker is the deactivation rocker that is to be used on cylinders 1, 4, 6 & 7 along with the lifter that has the two grooves in the lifters body (see Figure 2). The standard rocker and lifter shown in Figure 3, go in cylinders 2, 3, 5 and 8.



**Figure 2: Deactivation Rocker**



**Figure 3: Standard Rocker**