MEVOTECH

MEVOTECH X-FACTOR BULLETIN

Major Design Improvement- Reinforced Ball Joint Forgings on GM Front Lower Control Arms

Brand	Supreme	Product	Control Arms	Date	February 2021
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Some popular GM passenger vehicle and SUV applications utilize a front lower control arm characterized by a stamped steel clamshell design.

Notably, this design incorporates an upper and lower stamped lip which function as the primary ball joint retention method.

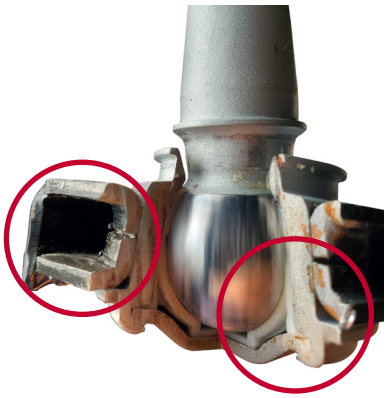
This method may reduce part cost during manufacturing and part weight on the vehicle. However, while this design may also provide adequate ball joint retention during service, it may also be prone to misalignment, particularly during ball joint replacement.

The above noted Mevotech Supreme replacement control arms upgrade the stamped steel ball joint housing with a solid 1045 steel forged housing. This construction method improves ball joint retention, assembly rigidity and is not prone to misalignment.

Additionally, Mevotech Supreme replacement control arms feature greaseable sintered metal bearings for optimal performance under all service conditions.

Figure 1 : Mevotech solid steel forged design (left) vs OE hollow clamshell stamped steel (right)

Figure 2 : Mevotech greaseable sintered metal bearings with solid housing (left) vs OE plastic bearing and hollow housing (right)



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