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Service Bulletin

Subject:

Corrosion of the blind (opposite side to pitman arm) end of sector shaft and sector shaft bearing housing rotation, M110 steering gears.

Forward

Hydrosteer has released two new parts to protect sector shaft seals and the outer O ring on the sector shaft bearing carrier:

HYD11145 Cover Sector Shaft

The cover replaces the plastic disc that is glued to the main housing as an end of cover the sector shaft. The replacement steel cover is fixed by "Selastic" to the main housing. There is a degree of interference between the lip of the cover and the sector shaft seal boss on the main housing providing a mechanical hold.



Make sure that both surfaces are thoroughly cleaned with mineral turpentine before the "Selastic" is applied. Using "Selastic" ensures that should the output shaft seal leak pressure acting over the area of the cover is sufficient to force the cover away from the housing thereby avoiding applying pressure to the end of the shaft. When installing the steering gear make sure that the metal cover does not foul the mounting bracket of the vehicle frame.

HYD11235R1 Retainer Auxilliary



Three (3) of these auxiliary retainers are used per steering gear and are equally placed as shown in the illustration to the right. The auxiliary retainers are thin enough to use the standard bolt and must be used with the existing 3 piece retainer which still provides the primary lock of the bearing carrier to the

main housing. The sharp edges of the spring steel retainer engage the main housing bore securely restraining the bearing carrier thereby eliminating the tendency to rotate within the housing.

The HYD11235R1 retainer is NOT a substitute for the existing 3 piece bearing carrier retainer and is only used in conjunction.



Both the HYD11145 Cover and the HYD11235R1 should be added during steering gear repairs.