



Protect Hydraulic Hoses

If you're being rubbed the wrong way, taking action is a natural response.

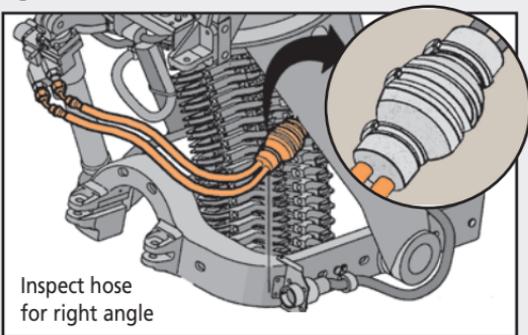
So, mechanics, before the 30mm turret's braided hydraulic hoses on your AH-64A/D rub together or get caught in the flex chute, you should take action to prevent hose damage.

Chafing occurs when the hoses rub together or against the wire strike or flex chute. Hydraulic hoses get damaged in the flex chute because they are not routed and adjusted correctly. Aircraft vibration and gun recoil can cause chafing and holes in the hoses. If they have too much slack and get tangled in the flex chute, they'll be torn apart.

Damaged hoses mean your gun is NMC because of lost elevation control.

Make sure the lines are installed correctly like it says in Para 4-7-47 and 4-7-48 of TM 9-1090-208-23-1-1. This will ensure that they will not touch the wire strike or be too close to the flex chute when the gun is firing.

Improper clocking of the 45° angle fitting on the turret actuator can result in hydraulic hose contact or entanglement with the flex chute. Hydraulic hoses with a 45° bend should be installed with the plane of the elbow 90° to the plane of the actuator. When installing these hydraulic lines, maintainers should ensure that the bottom of the hose bumper is $13\frac{1}{2} \pm \frac{1}{4}$ inch



from the end of the hose nut. The $13\frac{1}{2}$ inch measurement should be measured along the length of the lower (return) hydraulic line. This measurement should be made from the edge of the nut nearest the actuator to the closest edge of the hose bumper. The upper (feed) line should be positioned parallel to the return line. Improper location of the hose bumper can also result in hydraulic hose contact or entanglement with the flex chute.

Teflon insulating sleeving can be removed in the area covered by the hose bumper; however there should be no braided line showing. Remember, proper installation of the hydraulic hoses and hose bumper will prevent contact and entanglement with the flex chute.