

RAFNA TECHNICAL SERVICE BULLETIN No. 150

Locking Cable Maintenance

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On railgear equipped with a locking cable, it is recommended that the cable be lubricated once a month to ensure smooth and reliable service. Failure to do so can cause the cable to seize, and stop the lock pin from engaging or disengaging the railgear, rendering it useless. Also, a sticking cable can be forced causing the cable to break. If the locking cable cannot be pulled, or return to its original position first check if the railgear is binding the pin. Raise or lower the railgear slightly to release the pin.

1. To lubricate the cable, first remove the locking cable handle (Item 1), and the locking cable handle jam nut (Item 2).
2. Remove the gland nut (Item 3) from the cable. Ensure the plastic seal remains in the gland nut.
3. Flood the void between the inner cable (Item 4) and the outer casing (Item 5). WD-40 or equivalent is recommended.
4. Push and pull the cable to work the lubricant into the cable. Re-apply the lubricant as required.
5. Reinstall the gland nut, the locking cable handle jam nut, and finally the handle. Tighten the locking cable handle jam nut against the locking cable handle.

On some vehicle, it may be necessary to remove the cable from the locking cable mounting bracket to ease lubrication.

1. Remove the locking cable handle, the locking cable handle jam nut, and gland nut as described above.
2. Remove the bulkhead nut and lock washer (Item 6). The 'pull to unlock' decal plate (Item 7) may not be secured to the locking cable mounting bracket (Item 8).
3. Remove the cable from the locking cable mounting bracket.
4. Lubricate the locking cable.
5. Reassemble the locking cable back into the locking cable mounting bracket by first inserting the cable through the locking cable mounting bracket. Ensure the 'pull to unlock' decal remains in place, and is legible.
6. Reinstall the lock washer and the bulkhead nut.
7. Reinstall the locking cable handle as detailed above.

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As indicated in the 'routine service' section of the Operation Parts, and Service Manual, the lock pin and lock pin mechanism needs to be greased once a month.

1. Grease the lock pin and lock pin guides. Grease the lock pin mechanism and spring.
2. Visually inspect the lock pin end of the cable. Check for damaged or worn parts. Check the rubber seals and ensure they are in good shape, and properly seated on the outer cable

