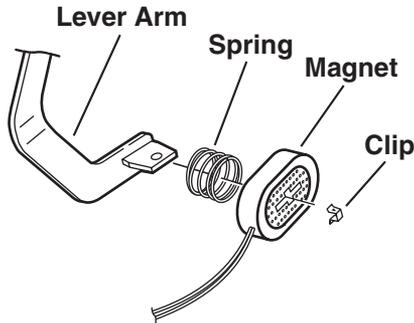


Magnet Replacement Instructions for Dexter Axle Electric Brakes



Magnet Removal

(drums removed)

1. Disconnect the magnet wires from the trailer supply line.
2. *If present*, remove the strain relief bushing from the backing plate and pull the magnet wires out of the backing plate. Save the strain relief bushing. *Note routing of wire before removing magnet.*
3. Remove the wires from the clips to release the wires from the actuator arm.
4. Depress magnet and remove retainer clip from lever tab within the magnet center slot.
5. Remove magnet from arm.
6. Clean parts by wiping or brushing all foreign material away.
7. Examine brake linings, brake drum and armature surfaces. If satisfactory, proceed to installation instructions.

Note:

Whenever magnets or brake shoes are replaced, the drum and armature surfaces must be inspected. Remove any grease or oil with solvent. These surfaces should be remachined if grooves or roughness is found. The surfaces must be restored to a 125 micro-inch finish. **DO NOT** remove more than 1/32 inch from armature, 1/16 from drum. Replace drums with grooves exceeding specified depth. Failure to follow these guidelines can result in poor brake performance.

Magnet Installation

1. Place the oval or hooked end of the magnet spring over the tab on the lever arm. Engage hook in lever hole if applicable. The round end of the spring will face outward.
2. Place magnet onto the lever arm tab. Orient the magnet so that the lead wire will lie along the arm.
3. Press magnet against spring so that the tab is exposed. Install retainer clip on tab so that the magnet is held in place.
4. Depress and release magnet. It must rebound freely.
5. Thread wires through the clips on the arm. Duplicate original routing of wire so there is enough slack between the first clip and the magnet to allow the magnet to move freely with no strain on the wire.
6. Pull wire through hole in backing plate and reinstall the strain relief bushing from the rear of the backing plate. Leave enough slack in the wire relief bushing to allow the arm to swing either way without imposing any strain on the wire.
7. Connect magnet wires to the trailer supply line.
8. Remount drums making certain bearings are properly adjusted. Rotate drum and energize brakes to check that brakes are operational. Mount wheels using recommended nut torque and adjust brakes.