

**NABI: Adjustable Konsberg Floor Pedal Inspection Instruction**



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**Property and Top Bus Number:** NABI 40LFW and BRT city buses equipped with adjustable brake and throttle pedal assemblies.

**Issue:** Brake pedal may not fully release after the brake is applied.

**Reason/ cause:** Inspection

**Solution:** Remove, clean and inspect the adjustable pedal assembly as noted in this work instruction.

**NABI: Adjustable Kongsberg Floor Pedal Inspection Instruction**



**Number of affected buses:** 127

**Estimate repair hours/bus:** 30 minutes

**Necessary parts (provided by Kongsberg Automotive [KA]):**

<b>Item</b>	<b>Description</b>	<b>PN</b>	<b>Qty</b>
01	Plunger seal	KA PN 6702214	A/R
02	Grease, Bendix PN 246671	KA PN 6705212	A/R
03	Brake Plunger for Bendix E10 Valve	KA PN 6565813	A/R
04	Brake Pedal Pin	KA PN 6551312	A/R
05	Clip (for brake pedal pin)	KA PN 203071	A/R

**Necessary tools:**

Necessary tools and Supplies

**SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS.**

1. Park the bus and apply parking brake. Turn engine off.
2. Before starting, move pedal all the way to rearward position.
3. Remove the steering shaft cover by removing two screws.



Remove two screws one on each side.

4. Remove treadle pin on brake treadle - locate pin clip and remove with a flat screwdriver.



Clip that needs removed.



After the pin and pedal are removed, remove the plunger as shown

5. Remove brake treadle to expose plunger. Remove plunger and seal by pulling up on plunger. Clean grease from plunger.



Check the  
plunger for  
scoring

6. Clean plunger hole. **Warning: if any wear, scoring, or damage is noted, either the plunger and/or valve casting (complete Adjustable Floor Pedal [AFP] unit) must be replaced. Failure to replace a damaged plunger or valve casting could lead to a sticking condition of the brake control.**
  
7. Clean the bore and inspect plunger, to ensure there are no metal shavings or dirt present. Apply a thin, even layer of grease to plunger and base hole and reinstall plunger and seal to base. Upper seal lip must be seated on plunger groove. Use Bendix grease provided by KA. **Warning: use only the grease specified. This is a very specific grease that has been fully tested and approved for this application and cannot be substituted with any other grease.**
  
8. Reinstall brake treadle. Make sure you lower movable arm back in position (on top of plunger) before assembling treadle back on. Once treadle is on, push treadle pin in place.



9. Assemble clip to secure treadle pin in place. Use fresh clips provided by KA.
10. Check pedal for proper operation. **Warning: if any wear or looseness is noted on the brake treadle pivot pin or the brake treadle pivot holes the component parts must be replaced. A worn brake treadle pivot pin or brake treadle can lead to a sticking and/or binding condition of the brake treadle.**
11. Record bus number, mileage and date of completion.