



INSTRUCTION TO SERVICE

ITS: 5585	
SECTION:	600 Electrical
WRITTEN BY:	Kevin Robinson
SUBJECT:	Remove straight quick connect fitting and replace with 90 degree fitting.

ITS5585

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PROCEDURE:

1. Turn the main battery disconnect switch to the “OFF” position.
2. Inside the bus, locate the Fogmaker extinguisher cylinders above the rear street side window behind the light panels.
3. Install the safety screw into the control head of the accumulator (large cylinder). The safety screw is hanging from a tether attached to the control head.
4. Turn the valve located on the detector bottle (smaller cylinder) off.
5. Locate the detector tube bulkhead connector, where the detector tube enters the engine compartment. This bulkhead fitting is on the street side of the bus, above the radiator.



Figure 1: Bulkhead fitting and detector tube

6. Loosen the straight quick connect fitting, attached to the bulkhead, slowly. This allows the built up pressure to escape through the threads.
7. Remove the straight quick connect fitting once the pressure is released.
8. Remove the detector tube from the straight quick connect fitting.
9. Inspect the tube for damage or kinking. If damage is present, cut it off using a Synflex cutter or equivalent tool to ensure a clean straight cut perpendicular to the tube.



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10. Install the new 90 degree quick connect fitting (NF PN 416285) to the bulkhead connector. Apply Loctite thread sealant (NF PN 438128) to the threads of the new fitting prior to installation.
11. Mark off 22 mm (about 7/8") from the end of the detector tube.
12. Install the detector tube into the new 90 degree quick connect fitting. The mark made in the previous step should be close to the edge of the new quick connect fitting, if installed correctly.
 - ☞ **NOTE: If the detector tube was cut in previous steps due to damage, and it cannot be installed correctly, a new length of detector tube (Ref NF PN) will need to be installed in the bus as replacement. The protection coil can be re-used.**
13. Turn the valve located on the detector bottle (smaller cylinder) back on and check for leaks in the system. Repair as required.
14. Remove the safety screw from the control head of the accumulator (large cylinder) to arm the system..
15. Remove all tools and debris and return the bus to service condition.
16. Turn the main battery disconnect switch to the "ON" position.



NEW FLYER

LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Remove straight quick connect fitting and replace with 90 degree fitting.	1	1.0	1.0

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	416285	FTG-90DEG ELBOW DET TUBE	1	EA	
2	438128	LOCTITE 577-THREAD SEALANT	.05	EA	
3	417752	TUBE-DECTECTOR PNEUM	5	FT	As Required

SPECIAL TOOLS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	NPN	Synflex cutter	1	EA	As required