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INSTRUCTION TO SERVICE

ITS: 2271

SECTION: 231 Cooling	MODEL:	TYPE:	WRITTEN BY: Todd Moroz
	<input checked="" type="checkbox"/> 30FT <input checked="" type="checkbox"/> 35FT <input checked="" type="checkbox"/> 40FT <input checked="" type="checkbox"/> 60FT <input checked="" type="checkbox"/> DSL <input checked="" type="checkbox"/> CNG <input type="checkbox"/> LNG <input type="checkbox"/> ELEC	<input type="checkbox"/> HIGH FLOOR <input checked="" type="checkbox"/> LOW FLOOR	

OBJECTIVE/SUBJECT:

Shorten and re-orientate transmission cooler line.

PROCEDURE:

NOTE: Prior to commencing these instructions, ensure coach is either parked in position over a "pit" or access to a coach lift is available.

1. Turn the main battery disconnect switch to the "OFF" position.
2. From interior of coach, open rear bench seat engine access door and transmission access door.
3. Inspect auxiliary heater braided fuel line for leakage.

NOTE: Steps # 4 through 9 to be completed from underneath coach.

4. Remove p-clips attached to roadside transmission cooler line.
5. Remove roadside transmission cooler line from transmission and transmission cooler (oil out side). **NOTE:** Be prepared to catch fluid with a container. Discard line.
6. Inspect auxiliary heater exhaust blanket. If hose leaking and transmission fluid has transgressed to blanket, then blanket replacement is necessary. Contact your Regional Product Support Manager to order replacement exhaust blanket.
7. Install 90-degree swivel adapter (NFIL P/N 022433) onto new transmission cooler line (NFIL P/N 223262) 45-degree fitting end. **NOTE:** Orientation must be so that 90-degree adapter spout will point to rear of coach and 45-degree fitting will direct hose upwards and 90-degree end of new hose points towards roadside for proper mating with transmission cooler. Refer

to Figure 1.

NOTE: Refer to New Flyer Service Manual for proper torque values.

8. Install new transmission cooler line (NFIL P/N 223262) between transmission and transmission cooler. Orientate line so that 90-degree adapter is on transmission port. Refer to Figure 2.

NOTE: Refer to New Flyer Service Manual for proper torque values.

9. Use provided p-clips as required ensuring that clearance is promoted where necessary.
10. Lower coach (if applicable).
11. From exterior of coach, top off transmission fluid per New Flyer Service Manual.
12. Turn the main battery disconnect switch to the "ON" position.
13. Start coach and run engine for a few minutes checking for leaks.
14. Close access doors on inside of coach.
15. Turn coach off and check transmission fluid level. Top off fluid if low.

Note: 90-degree adapter facing to rear of coach and 45-degree fitting directing new hose upwards.



Note: This end (90-degree) of the transmission cooler hose points to roadside of coach for mating with transmission cooler.

Figure 1. Correct Transmission Cooler Hose Orientation

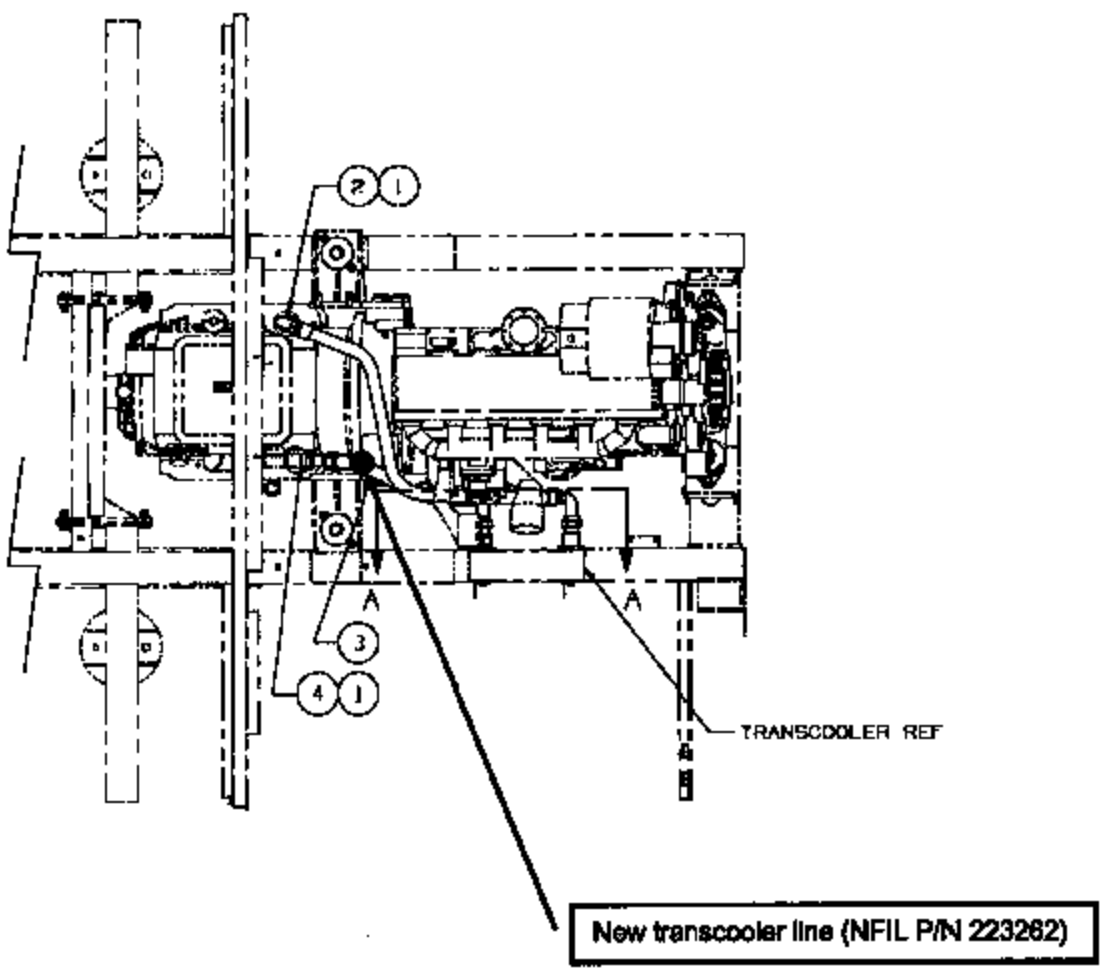


Figure 2. Transmission Cooler Line Installation

LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Shorten and re-orientate transmission cooler line.	1	2.5	2.5

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	022433	FITTING-ELBOW 90D SWIVL	1	EA	
2	223262	HOSE ASSY FC300-20 FL32	1	EA	MUST BE REV. "C"
3	092582	CLAMP-P .5 SS/HT	2	EA	USE AS REQUIRED
4	092586	CLAMP-P .75 SS/HT	2	EA	USE AS REQUIRED
5	092588	CLAMP-P 1.00 SS/HT	2	EA	USE AS REQUIRED
6	092590	CLAMP-P 1.25 SS/HT	2	EA	USE AS REQUIRED
7	092592	CLAMP-P 1.5 SS/HT	2	EA	USE AS REQUIRED
8	092594	CLAMP-P 1.75 SS/HT	2	EA	USE AS REQUIRED