

YEAR	MODEL	VIN APPLICATION	BULLETIN NO.
1986 - 93	INTEGRA	ALL	95-008
1986 - 92	LEGEND		
1992 - 94	VIGOR		
1991 - 92	NSX		



Converting R-12 A/C Systems to R-134a

BACKGROUND

Because of environmental concerns, production of R-12 refrigerant is being phased out. Honda is making retrofit kits available to convert systems that currently use R-12 refrigerant to R-134a refrigerant use.

PREPARATION

Before retrofitting the A/C system to use R-134a, test its performance and inspect all components.

- If the system is not cooling correctly, determine the cause (restriction, refrigerant leak, system contamination, etc.) and repair it before continuing.
- If the system is not fully charged, determine if there are any leaks and repair them before continuing.
- If the compressor is making noise, repair or replace it before continuing. Refer to Parts Information Bulletin B94-0028 for the proper components.
- If the system has been open to the atmosphere, replace the receiver/dryer.

RETROFIT KIT INSTALLATION

1. Use the R-12 recovery/recycling station to remove the R-12 from the system.

NOTE: Failure to remove all the R-12 from the system will cause contamination of the R-134a recovery/recycling station.

2. Disconnect the R-12 recovery/recycling station.
3. 1992 - 94 Vigor only: Remove the Schrader valves from the charge valves. The retrofit valves in the kit have their own Schrader valves.
4. Use a shop towel wetted with Honda brake cleaner to clean the threads on the existing valves. Apply Loctite (included in the kit) to the threads of the existing valves. Install the R-134a retrofit valves from the kit.
5. Connect the R-134a recovery/recycling station to the system. Evacuate the system.
6. Add 120 ml of PAG oil (included in the kit) to the system.

7. Determine the amount of R-134a refrigerant needed to charge the system by subtracting 50 r (1-2/3 oz) from the system's R-12 capacity.
8. Charge the system with the proper amount of R-134a refrigerant.
9. Start the engine and let it idle. Turn the A/C system on and off several times. Listen for any abnormal noises.
10. Repeat step 9 with the engine running at 1,500 rpm and 3,000 rpm.
11. With the system on, check the cooling performance at the dashboard vents.
12. Check the high and low side pressures and compare them to the R-12 specifications. They should be slightly higher.
13. Turn off the A/C system and the engine. Disconnect the recovery/recycling station. Install the caps on the valves.
14. Place the R-134a caution label from the kit over the existing R-12 label. If the R-12 label is no longer there, place the R-134a label on the right damp housing.

PARTS INFORMATION

R-134a retrofit kit A:

- 1986 - 87 Integra - P/N 38020-SM4-A2AH
- 1988 - 93 Integra - P/N 38020-SM4-A1AH
- 1986 - 87 Legend - P/N 38020-SM4-A2AH
- 1988 - 92 Legend - P/N 38020-SM4-A1AH
- 1992 - 94 Vigor - P/N 38020-SM4-A3AH
- 1991 - 92 NSX - P/N 38020-SM4-A1AH

WARRANTY CLAIM INFORMATION

None; this retrofit is considered to be customer-pay.

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