



**MONACO  
COACH**



**HOLIDAY  
RAMBLER**

**T.S.I. 124**

## ***Technical Service Information***

**STATUS : Urgent**

**ROUTE : OWNERS / SERVICE MANAGER**

**Subject: JB Radiator Inner Cooler Failure on Aluminum Radiators**

**Affected Units:** Notice on Knights and Ambassadors check attached list as this only applies to units with 3000 MH transmissions.

<b>Model</b>	<b>Model Years</b>	<b>Beg IN #</b>	<b>End IN #</b>	<b>Beg OR #</b>	<b>End OR #</b>
Ambassador	01-03	119082	134803	700669	703422
Baron	2003	131503	134765	0	0
Camelot	2003	132330	134838	0	0
Diplomat	02-03	125406	134801	0	0
Endeavor	02-03	125407	134820	0	0
Imperial	2003	133337	134831	0	0
Knights	01-03	119067	134818	700652	703569
Santiam	02-03	128151	134509	0	0
Sceptor	2003	132332	134937	0	0
Windsor	02-03	132341	134832	0	0

**Notification:** Letter sent to Owners & Dealers

**Service Procedures:** There are three different repair procedures, job op codes & time allowances.

All repair procedures will include parking unit where it will be worked on and remove key from ignition and tag steering wheel while repairing. Check coolant and trans fluids . Verify radiator model number on tag side mounts and that there is an external cooler on rear radiators and then call in to Monaco tech service for authorization to proceed.

**First procedure is for a side mount radiator Tsi-124a Windsor, Imperial, Camelot, and Sceptor.**

- 1. You will need to block front wheels and use a floor jack under rear of unit to get high enough to drop radiator out of the bottom side. Use jack stands or blocks.**
- 2. Drain coolant from radiator into a clean pan for reuse.**
- 3. You will need to take loose hydraulic fan motor and shroud and move off to side.**
- 4. Remove air to air cooler lines, Hydraulic lines to oil cooler and remove temp sensor for hydraulic fan. Make sure you tape and mark the hoses for temp switch for reinstall reversing will cause fan to go into lockup.**
- 5. Remove coolant lines once drained and put a jack under radiator. Make sure you protect oil cooler and air to air cooler as these will be reused.**
- 6. Remove radiator mounts and lower down out of coach.**
- 7. Disassemble cooling package cores and remove radiator core, install new radiator.**
- 8. Reverse above process step 2-8 and reinstall in coach hook up all lines and hydraulic fan motor and refill all fluid levels.**
- 9. Lower coach back to ground.**
- 10. Run unit and test for leaks and recheck all fluid levels.**

**Labor Operation Code: TSC60243AR**  
**Labor Hours: 9.5**

**Second repair procedure is for a rear radiator. Tsi -124b Diplomat, Endeavor, Santiam.**

- 1. With rear engine doors open remove pass side access panel with approx 6 screws. The panel closes off cap to hydraulic reservoir.**
- 2. You will need to trim some fiberglass with a saw on pass side by radiator for lines to clear to new core, you may remove panel and trim when done.**
- 3. Looking at rear of radiator, passenger side top, remove two bolts on top and one on side of radiator, these should line up with holes in new external core. These bolts are rubber mounted 3/8 bolts.**
- 4. Set up new external core to line up with the three bolts and secure core with bolts and rubber grommets being careful not to over tighten these are shoulder bolts tighten till snug.**
- 5. Put a pan under pass side radiator and remove hydraulic trans lines and hook top line from radiator to top line of new core and the same with the lower line.**
- 6. Install plugs in radiator where lines were removed.**
- 7. Replace fluid in trans and run engine and recheck level.**
- 8. Reinstall access panel. And close rear doors.**

**Labor Operation Code: TSC70227AR**  
**Labor Hours : 2.0**

**Third repair procedure is for a rear radiator. Tsi –124c Knight, Ambassador, baron.**

- 1. Open rear engine access doors. Locate hydraulic reservoir. Remove both strap mounts to unit and tie to the side temporarily.**
- 2. You will need to trim some fiberglass with a saw on pass side by radiator for lines to clear to new core.**
- 3. Looking at rear of radiator, passenger side top, remove two bolts on top and one on side of radiator, these should line up with holes in new external core. These bolts are rubber mounted 3/8 bolts.**
- 4. Set up new external core to line up with the three bolts and secure core with bolts and rubber grommets being careful not to over tighten these are shoulder bolts tighten till snug.**
- 5. Put a drain pan under radiator pass side and remove upper trans hose and install to new core. Remove lower hose and add new splice hose and connect to lower fitting on new core.**
- 6. Install plugs in radiator where lines were removed.**
- 7. Remove lower bracket mount for reservoir, remove lower bracket on hydraulic reservoir and slide top one down to remount to unit with clearance to new core.**
- 8. Refill lost fluid in trans and run unit and recheck fluids.**
- 9. Close up rear doors.**

**Labor Operation Code : TSC80227AR**

**Labor Hours : 2.5**

**PARTS :** Order parts by fax from JB direct for the side mount radiators and rear coolers for diplomat, endeavor & Santiam at 916-381-8943 the rear cooler and kit with extra line and fitting fax into national parts at 866-858-8528.

**Warranty Procedure :** Complete a warranty claim or index for each unit repaired. Use each labor operation from above noting that authorization is required as per coach directions and labor hours allotted. Add to claim for additional fluids used and reference rga number from paperwork with each core received by unit number. Side mount cores will have a call tag from JB radiator to be returned to them no charge to you.