

## AIR CONDITIONER INSTALLATION

### 1955-1957 Thunderbird

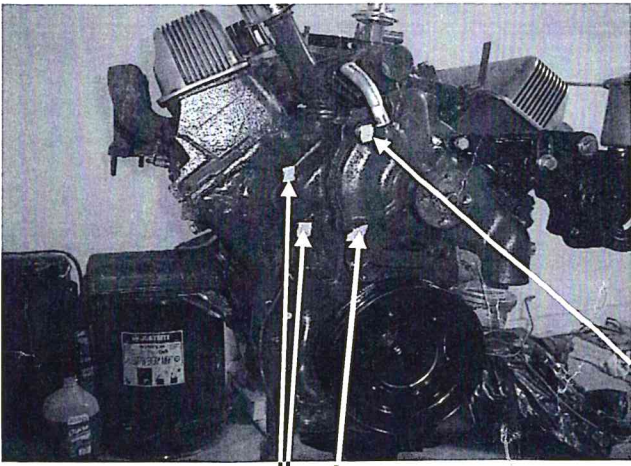
LH = Driver Side

#### Compressor Installation SD507

RH = Passenger Side

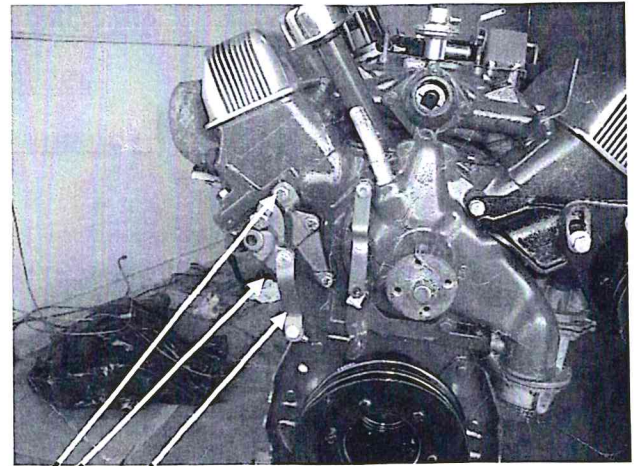
1. Remove fan shroud.
2. Drain radiator.
3. Remove upper radiator hose.
4. Remove lower hose from radiator.
5. Remove radiator.
6. Loosen and remove power steering belt, if equipped.
7. Remove fan and fan belt and fan pulley.
8. Remove generator and generator bracket. Do not remove upper generator bracket to water pump brace.
9. Remove heater return hose from water pump to the 45-degree fitting.
10. Adjust water pump heater fitting to point to the oil fill pipe. See picture #6.
11. Install A/C compressor bracket to engine timing cover. See picture #1, remove bolts marked 'A'. Use new bolts supplied. Do not tighten bolts completely.
12. Install lower A/C bracket on top of existing old generator bracket brace to lower right water pump bolt position using new bolt supplied. See pictures # 1, 2 and 3, bolt marked 'B'.
13. Install upper front compressor brace to water pump brace at upper right water pump position using new bolt supplied. See pictures #5 and 6.
14. Tighten all braces and bracket attaching bolts evenly.
15. Install generator. Do not tighten completely.
16. Install compressor with service fittings parallel to the oil filler pipe. Compressor is furnished with the proper mounting holes reamed to 7/16" (C&G). See picture # 7.
17. Loosen front upper compressor brace at water pump and install compressor to brace bolt, supplied. Tighten both brace bolts evenly.
18. Install rear upper compressor brace to rear of compressor flange. See picture # 6.
19. Thru rear upper compressor brace, drill timing cover using 3/8" drill to mark center of hole. Drill a 1" deep hole using a 5/16" drill. Tap with 3/8"-16NC and install bolt and lock washer, supplied, Tighten upper rear compressor brace evenly. See picture # 6.
20. Install fan/generator (alternator)-A/C belt loosely. Gates # 9470 or # 9476, or similar belt.
21. Slide fan pulley into position. '57 pulley suggested due to 55-56 pulley design.
22. Install and tighten fan and fan spacer.
23. Tighten belt and secure generator.
24. Reinstall power steering belt if so equipped.
25. Reinstall heater return hose.

**NOTE:** Compressor is supplied with correct amount of oil. No additional oil charge is required. Compressor label denotes correct refrigerant to use in system.



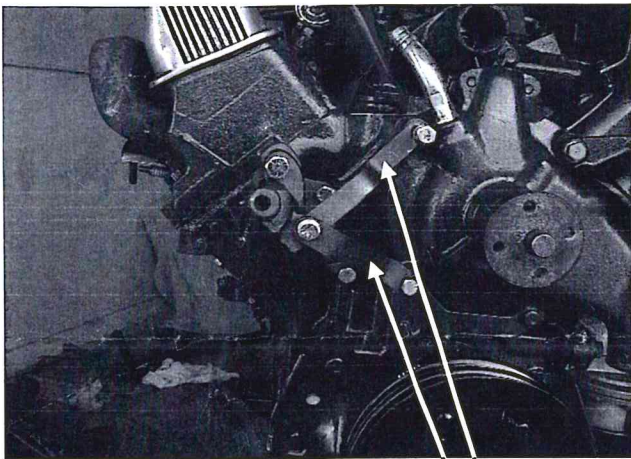
**PICTURE #1**

'C'- Upper right water pump bolt.  
 'B'- Lower right water pump bolt  
 'A'- Timing chain cover bolts.



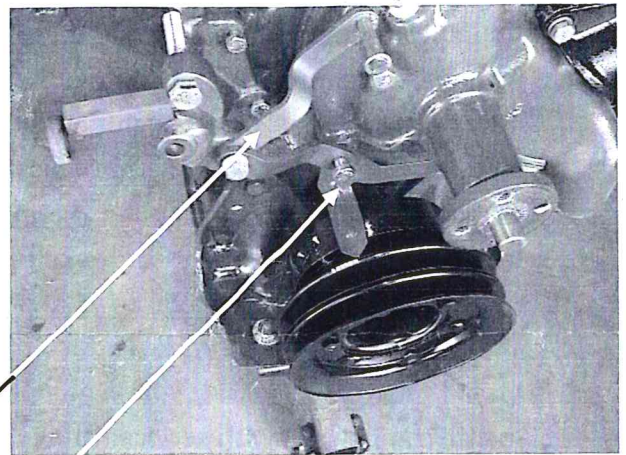
**PICTURE #2**

Lower A/C bracket brace.

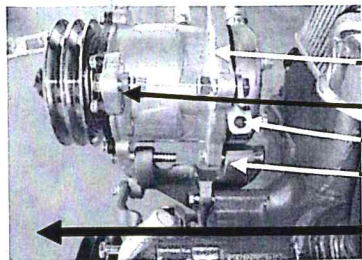


**PICTURE #3**

Generator bracket  
 Lower A/C bracket brace to timing pointer bolt.

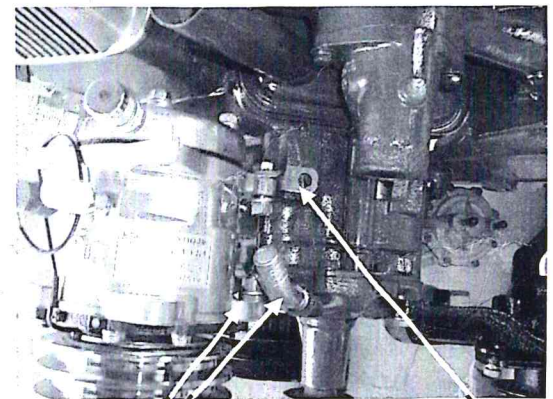


**PICTURE #4**



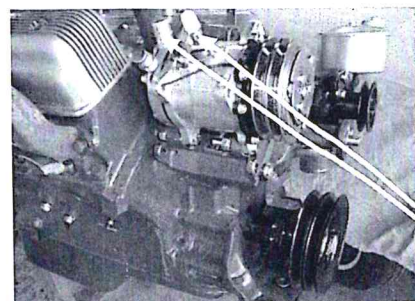
**PICTURE #5**

A/C compressor  
 Front upper compressor brace.  
 Rear upper compressor brace.  
 A/C compressor bracket.  
 Front of Engine



Heater return hose will reconnect to this 45-degree fitting, turned.  
 Front upper compressor brace.  
 Rear upper compressor brace to timing cover.

**PICTURE #6**



**PICTURE #7**

Compressor service fittings parallel to oil filler pipe