

**A/C INSTALLATION
12 VOLT 1955/56 FORD**

LH = DRIVERS SIDE

RH = PASSENGER SIDE

COMPRESSOR INSTALLATION - SD 507

1. Remove battery ground cable and radiator.
2. Remove power steering belt if equipped.
3. Loosen generator mount and adjust bolts.
4. Remove generator belt.
5. Remove generator adjust bracket.
6. Remove 2 bolts which hold generator front support to timing cover. Do not remove support.
7. Install generator adjust arm behind front motor mount plate with adjust slot to generator.
8. Install compressor mount to timing cover using the two 5/16 x 4 3/4 inch bolts. Do not tighten the bolts.
9. Install lower inboard 3/8 x 1 3/4 inch bolt without lockwasher. This may be an allen head screw or a hex head bolt. If hex bolt is used, an open end wrench is required to turn bolt due to close tolerance to crank pulley. Install 11/32 spacer behind this lowest inboard bracket hole to space bracket off of front motor mount plate. If no front motor mount plate is used, add 5/32 inch spacer on top of generator adjust arm eye hole to maintain compressor bracket perpendicular to crank pulley. This is a total spacer of 1/2 inch.
10. Tighten the 3 compressor bracket attaching bolts and verify spacers filled the gap and bracket is perpendicular to crank pulley. Adjust spacers using washers if misalignment is noted.
11. Attach compressor, with fittings up, to bracket loosely using 3/8 x 1 1/2 inch bolts thru lower compressor front ears. Install bolts from front of compressor thru bracket with lockwashers and nuts on backside of bracket. Adjust angle of heater return fitting as needed for compressor clearance.
12. Remove generator mount to engine head bolt.
13. Install rear angled support bracket on top of generator bracket using 7/16 x 1 1/4 inch bolt. Do not use lockwasher due to generator rear mount bolt interference.
14. Install angled support brace to rear of two outboard rear ears of compressor using 1 1/4 bolt thru compressor with nut and lockwasher on backside of support brace.

15. Tighten all compressor and brace bolts securely. Verify proper alignment of components and correct as required.
16. Install compressor drive belt around water pump, crank pulley rear groove, generator, and compressor rear groove. Adjust belt using generator. Tighten all generator mount and adjust bolts. Use 15475 belt for 3/8 inch crank and generator pulley. Use 17495 belt for 1/2 inch crank and generator pulley. A tight belt is necessary.
17. Check for fan to compressor and crank pulley clearance. A 6 blade fan may be added for extra cooling.
18. If unit has power steering, reinstall belt.

NOTES:

Compressor is supplied with correct amount of oil. No additional oil charge required.

Due to variations in generator and water pump pulley diameters, belt lengths may have to be changed. Do not mix 3/8 and 1/2 inch pulleys.

Due to fan spacer variations and fan clearances, fan bolt lengths may have to be changed.

Do not operate compressor with clutch engaged without freon charged as compressor damage will result.