ATTACH COUPLERS:
Attach Couplers to A/C system, Blue to suction LP port and Red to discharge HP port.

CONNECT HOSES:
Connect Red and Blue Hoses to Manifold and Couplers as shown, RED – RED and BLUE – BLUE. Connect Yellow Hose to R-134a supply.

CLOSE ALL VALVES:
Manifold Valves - turn CW. Coupler Valves - turn CCW.

CHARGING:
Turn on engine, allow to warm up, then turn on A/C. Open Coupler Valves - turn CW. Only open BLUE Manifold Valve - turn CCW.

A/C service can be dangerous. To prevent SERIOUS INJURY, read entire manual before use.

WARNING

1. READ ENTIRE MANUAL BEFORE USE.
2. Use in well-ventilated area only.
3. Wear ANSI-approved safety goggles and heavy-duty work gloves during setup and use.
4. DO NOT OPEN either Manifold Valve unless directed to do so; otherwise, refrigerant leaks, A/C contamination, and hazardous expulsion of pressurized refrigerant may occur.
5. Keep gauge and hoses away from moving engine parts.
6. Turn off vehicle’s engine and A/C system before attaching gauge.
7. Technicians performing this procedure or opening refrigeration circuit in automotive air conditioning systems MUST be certified in refrigerant recovery and recycling procedures in compliance with section 609 of Clean Air Act Amendments of 1990.
**Diagnostic Check**

1. **CLOSE ALL VALVES:**
   - Manifold Valves - turn CW.
   - Coupler Valves - turn CCW.

2. **CONNECT HOSES:**
   - Connect Red, Blue and Yellow Hoses to Manifold and Couplers as shown, RED – RED and BLUE – BLUE.

3. **ATTACH COUPLERS:**
   - Attach Couplers to A/C system, Blue to suction LP port, and Red to discharge HP port.

4. **CHECK:**
   - To do a dynamic check, turn on engine, allow to warm up, then turn on A/C.
   - Open Coupler Valves - turn CW.
   - Compare Gauge readings to vehicle’s service specifications.

5. **AFTER:**
   - Close Coupler Valves by turning CCW.
   - CAREFULLY disconnect Couplers from A/C system; hoses may contain residual refrigerant.
   - Shut off engine and A/C system if dynamic check was done.
   - CAREFULLY disconnect Couplers from A/C system; hoses may contain residual refrigerant.

**Recovery / Evacuation**

1. **CLOSE ALL VALVES:**
   - Manifold Valves - turn CW.
   - Coupler Valves - turn CCW.

2. **CONNECT HOSES:**
   - Connect Red, Blue and Yellow Hoses to Manifold and Couplers as shown, RED – RED and BLUE – BLUE.

3. **ATTACH COUPLERS:**
   - Attach Couplers to A/C system, Blue to suction LP port, and Red to discharge HP port.

4. **RECOVERY / EVACUATION:**
   - Turn on recovery system / vacuum pump.
   - Open Coupler Valves - turn CW.
   - Open Manifold Valves - turn CCW.
   - Read amount of vacuum on Blue LP Gauge.

5. **AFTER:**
   - Shut off recovery system / vacuum pump when vacuum reaches manufacturer’s recommendation.
   - Close Coupler Valves by turning CCW.
   - Disconnect Couplers from A/C system.

**WARNING**

A/C service can be dangerous. To prevent SERIOUS INJURY, read entire manual before use.