

# **Typical Installation-Related Failures**

*This list includes the most typically seen issues, and is, by no means, intended to be all-inclusive.*

- ✓ Leaks at fittings (hose side)
- ✓ Leaks at fittings (o-ring side)
- ✓ Leaks at expansion valve (hose side)
- ✓ Loose fittings
- ✓ Poor hose routing (chaffing, cuts etc.)
- ✓ Hose not secured properly
- ✓ Too much tension on refrigerant. hose (no service loop)
- ✓ Missing or cut o-rings
- ✓ Improper belt alignment
- ✓ Improperly installed mounts (spacers, torque, etc.)
- ✓ Missing compressor shims
- ✓ Loose bolts or hardware
- ✓ Loose electrical connections
- ✓ Incorrect electrical hook-up
- ✓ Poor electrical routing (chaffing, cuts etc.)
- ✓ Cross wiring between systems
- ✓ Cross piping between systems
- ✓ Incorrect piping hook-up
- ✓ Kinked drain hoses
- ✓ Drain hoses running uphill
- ✓ Evaporator not tilted properly
- ✓ Missing, or too little insulation on evaporator refrigerant hoses
- ✓ Condenser not mounted flush to skirt
- ✓ Low voltage to components. (12.5VDC minimum)
- ✓ Leaking roof rail seal
- ✓ Obstructions that limit air flow
- ✓ Structural integrity of mounting area for condenser or evaporator
- ✓ Any interference between any a/c component and OEM components