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