



AN EXCHANGE OF TECHNICAL INFORMATION

Number: TL006 - 2026

Subject: PrimeLINE & OptimaLINE Valves update

Released: June 29, 2026

Carrier introduced a new Electronic Expansion Valve (EEV) body and coil configuration for PrimeLINE and OptimaLINE units and a new Economizer Solenoid valve (ESV) for PrimeLINE units. The new valves incorporate new mechanical interfaces and the connection design and are not backwards-compatible with the previous-generation valve bodies & coils.

SERVICE IMPACT SUMMARY

EEV

- The new EEV Coil, 14-000435 -10 is not compatible with previous-generation EEV Valve Body 14-00393-02.
For units using PN 14-00393-02 EEV Body, if EEV Coil replacement is required, use 14-00393-10.
For units using PN 14-00435-00 EEV Body, if EEV Coil replacement is required, use 14-00435-10.
Complete replacement of the EEV Valve (service kit) + Coil is supported between unit configurations.

ESV

- The new ESV coil, 14-00501-20 is not compatible with previous-generation ESV Valve Bodies 14-01090-20.
For units using PN 14-01090-20 ESV Body, if ESV Coil replacement is required, use 14-01091-10.
For units using PN 14-00502-00 ESV Body, if ESV Coil replacement is required, use 14-00501-20.
Complete replacement of the ESV Valve (service kit) + Coil is supported between unit configurations.

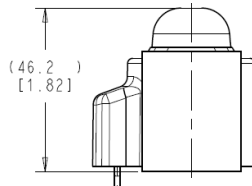
EEV valve body and Coil Overview



EXV EXPANSION VALVE (W/O COIL) Service Kit P/N 14-00393-02SV



COIL ASSY (W BOOT) 14-00393-10



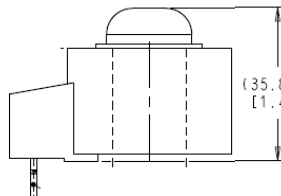
PrimeLINE PIDs NT2000 to NT3269
OptimaLINE PIDs NT4000 to NT4029



EXV EXPANSION VALVE (W/O COIL) Service Kit P/N 14-00435-55



COIL ASSY (W BOOT) 14-00435-10



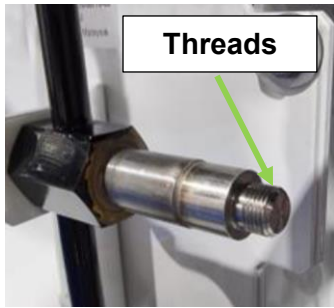
PrimeLINE PIDs NT3270 and higher NT2751, NT2756, NT2771, NT2777, NT2806, NT2878, NT3052, NT3076, NT3081, NT3174
OptimaLINE PIDs NT4030 and higher

For full set replacement CAP P/N 14-00435-56 consists of EEV Body with Strainer + Coil

WARNING: Do NOT mix EEV bodies or coils.

Installing an EEV body and coil that are not matched will result in improper valve operation, unstable superheat control, system alarms, or performance degradation. Always verify the existing EEV Coil PN before replacing.

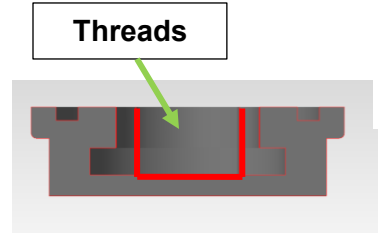
## ESV valve body and Coil Overview (PrimeLINE)



**14-01090-20 Valve Body  
External Threads**



**14-01091-10  
Valve Coil**



**Cap – Internal threads**

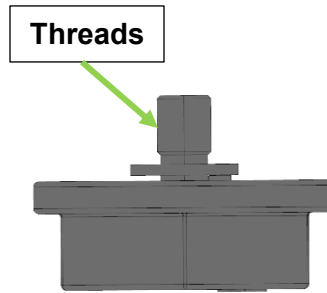
PrimeLINE PIDs  
NT2850 to NT3284



**14-00502-00 Valve Body  
Internal Threads**



**14-00501-20  
Valve Coil**



**Cap – External threads**

PrimeLINE PIDs  
NT3300 and higher

For full set replacement CAP P/N 76-66664-01 (01090) or 76-66664-02 (00502) consists of ESV Body + Coil

NOTE: The Economizer Circuit Valve (ECV) body and coil in OptimaLINE are not affected by these recent changes. The valve body is 14-00393-03 and the coil is 14-00393-10.

---

Service Engineering / Container Products

*Please circulate copies of this bulletin to all service and management personnel as soon as possible.*

---