

Subject: Leak detection pump solenoid and evaporative purge flow monitor diagrams for 1996–2005 car and minivan models

Source: Chrysler service manuals

This reference contains the following diagrams:

- [Figure C064-1](#) Evaporative purge flow monitor circuit with a leak detection pump for 1996–97 car and minivan; 1998 minivan except 2.4L
- [Figure C064-2](#) Evaporative purge flow monitor circuit for 1996–98 car and minivan without a leak detection pump
- [Figure C064-3](#) Typical leak detection pump solenoid circuit for 1996–2002 car and minivan
- [Figure C064-4](#) Evaporative proportional purge solenoid circuit for:
1999–2001 car and minivan;
1998 300M, Avenger, Concorde, Intrepid, LHS, and Sebring;
1998 minivan 2.4L, Sebring Convertible 2.5L, and Talon non-turbo;
1997–2001 Prowler
- [Figure C064-5](#) Evaporative (EVAP) solenoid circuit through 1998 for all except;
1998 300M, Avenger, Concorde, Intrepid, LHS, Sebring, Sebring Convertible 2.5L, Talon non-turbo, and minivan with 2.4L;
1997–2002 Prowler
- [Figure C064-6](#) Evaporative purge flow monitor circuit with a leak detection pump for 1998–2002 300M, Avenger, Concorde, Intrepid, LHS, Prowler, Sebring; 1998 Sebring Convertible 2.5L, Talon without turbocharger, minivan
- [Figure C064-7](#) Evaporative purge flow monitor circuit without a leak detection pump for 1998–2002 300M, Avenger, Concorde, Intrepid, LHS, Prowler, Sebring; Sebring Convertible 2.5L;
1998 Talon without turbocharger;
1998–2002 minivan
- [Figure C064-8](#) Typical leak detection pump solenoid circuit for 2003 minivan with 3.3L or 3.8L engine
- [Figure C064-9](#) Natural vacuum leak detection solenoid for 2003 2.4L minivan, and all 2004 minivans
- [Figure C064-10](#) EVAP purge solenoid and natural vacuum leak detection solenoid for 2005 Caravan, Town & Country, and Voyager
- [Figure C064-11](#) EVAP purge solenoid and natural vacuum leak detection solenoid for 2005 Neon and PT Cruiser 2.4L non-turbo
- [Figure C064-12](#) EVAP purge solenoid and natural vacuum leak detection solenoid for 2005 Neon and PT Cruiser 2.4L turbo
- [Figure C064-13](#) Natural vacuum leak detection solenoid for 2005 Viper

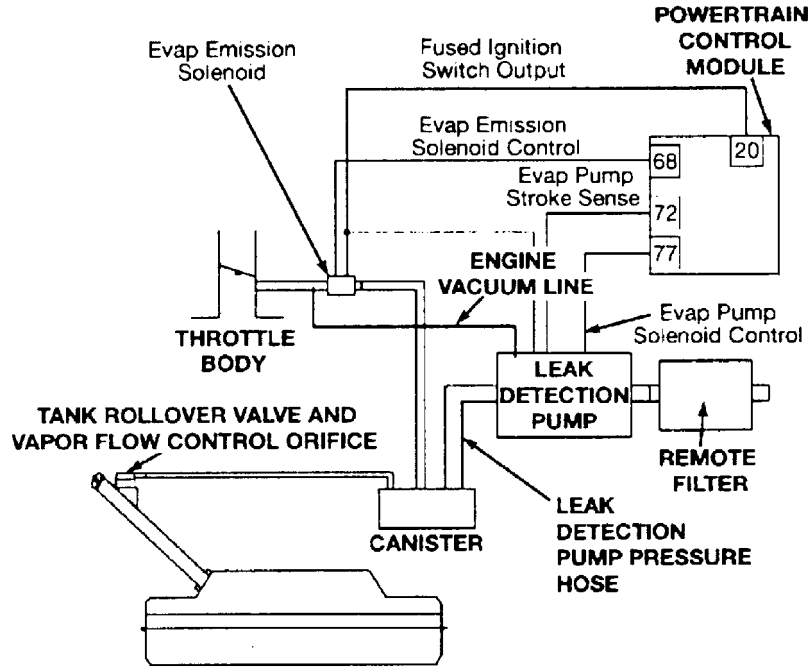


Figure C064-1 Evaporative purge flow monitor circuit with a leak detection pump for 1996–97 car and minivan; 1998 minivan except 2.4L

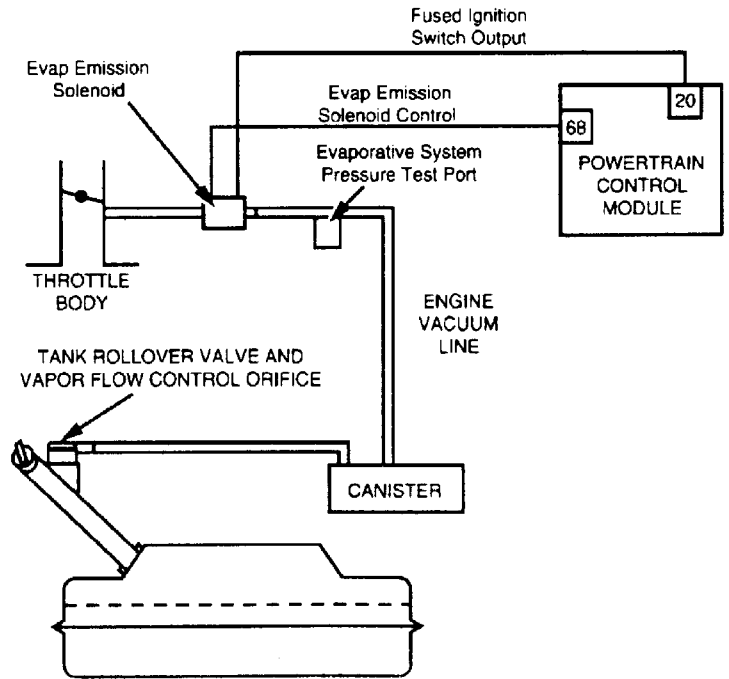


Figure C064-2 Evaporative purge flow monitor circuit for 1996–98 car and minivan without a leak detection pump

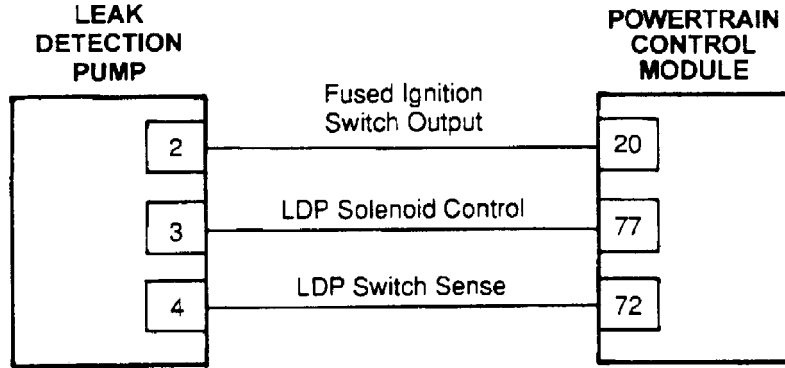


Figure C064-3 Typical leak detection pump solenoid circuit for 1996–2002 car and minivan

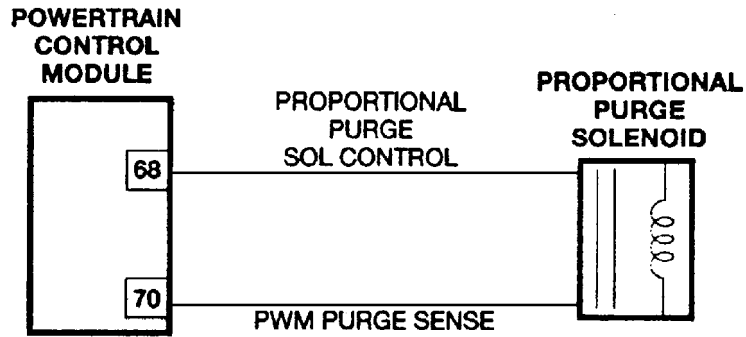


Figure C064-4 Evaporative proportional purge solenoid circuit for 1999–2001 car and minivan;
1998 300M, Avenger, Concorde, Intrepid, LHS, and Sebring;
1998 minivan 2.4L, Sebring Convertible 2.5L, and Talon without turbocharger;
1997–2001 Prowler

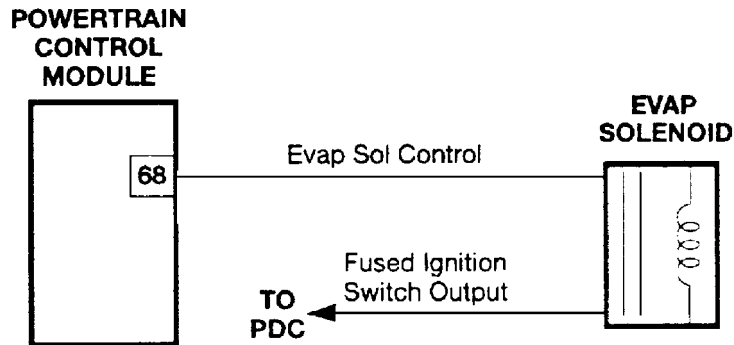


Figure C064-5 Evaporative (EVAP) solenoid circuit through 1998 for all except 1998 300M, Avenger, Concorde, Intrepid, LHS, Sebring,
Sebring Convertible 2.5L, Talon non-turbo, and minivan with 2.4L;
1997–2002 Prowler

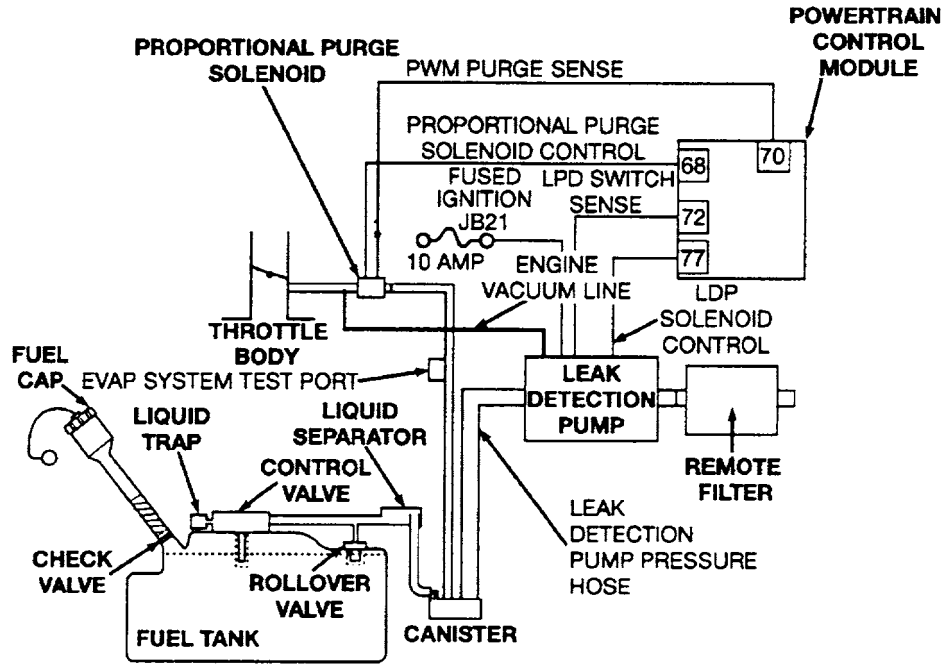


Figure C064-6 Evaporative purge flow monitor circuit with a leak detection pump for 1998–2002 300M, Avenger, Concorde, Intrepid, LHS, Prowler, Sebring; 1998 Sebring Convertible 2.5L, Talon without turbocharger, minivan

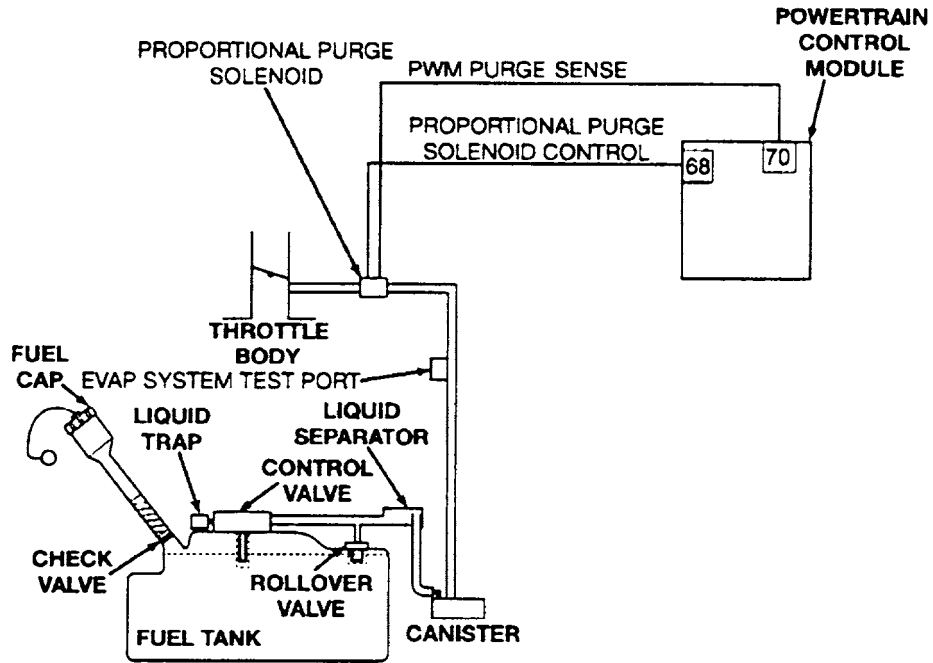


Figure C064-7 Evaporative purge flow monitor circuit without a leak detection pump for 1998–2002 300M, Avenger, Concorde, Intrepid, LHS, Prowler, Sebring; Sebring Convertible 2.5L; 1998 Talon without turbocharger; 1998–2002 minivan

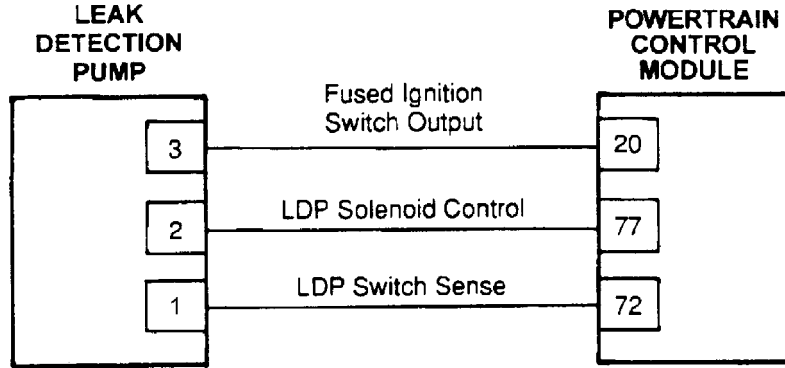


Figure C064-8 Typical leak detection pump solenoid circuit for 2003 minivan with 3.3L or 3.8L engine

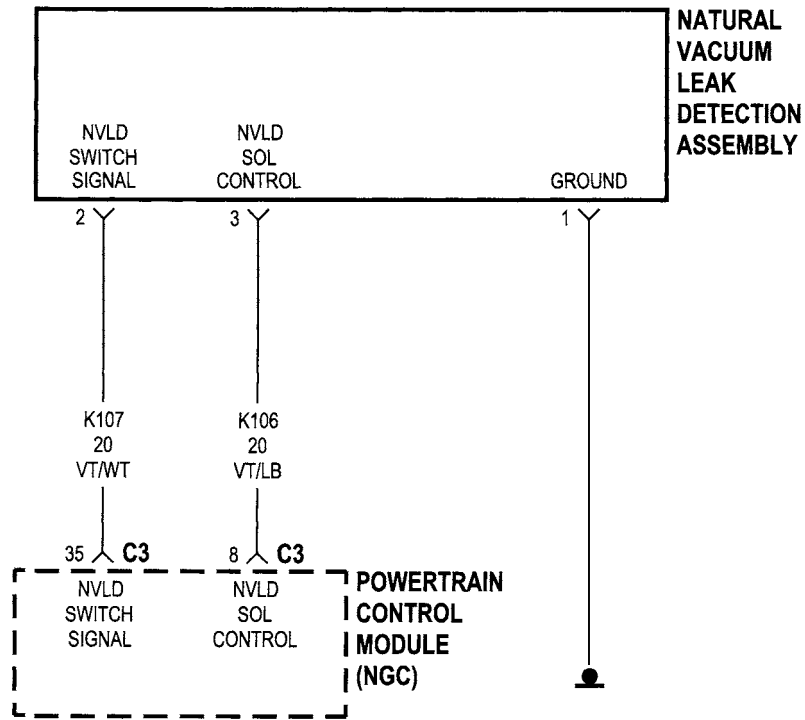
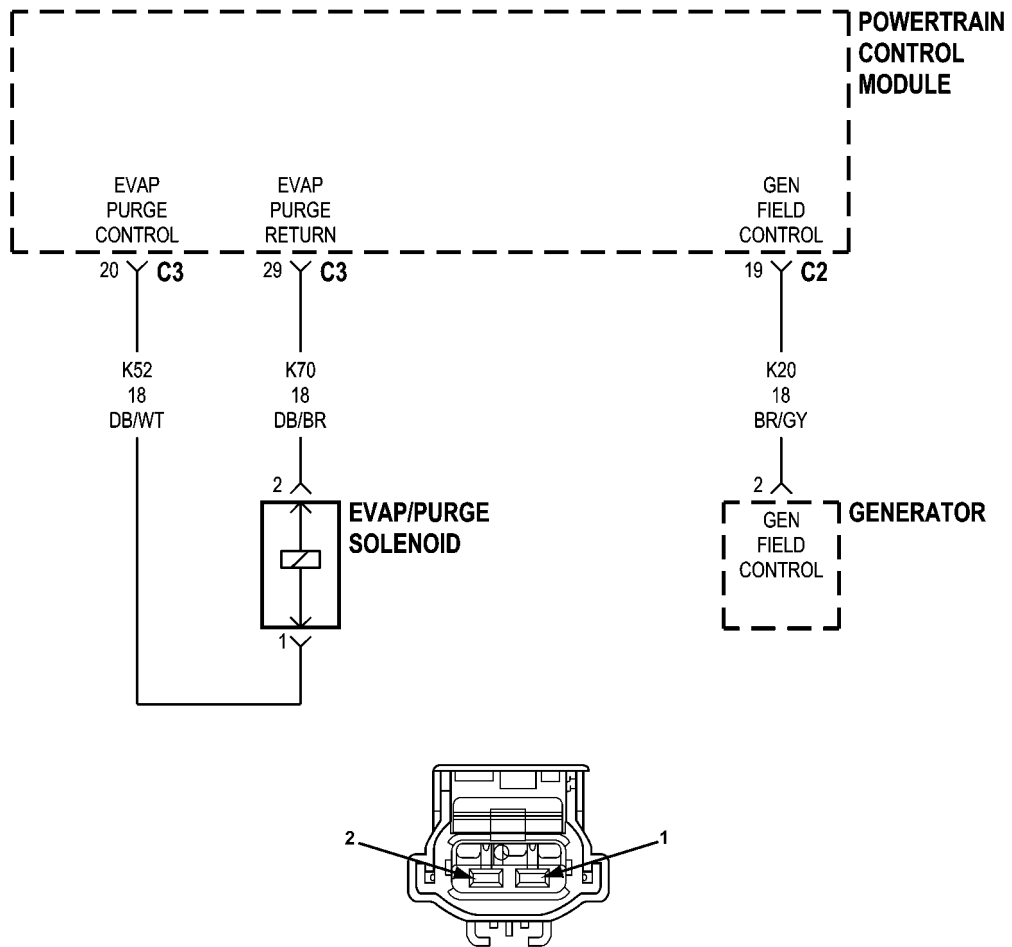
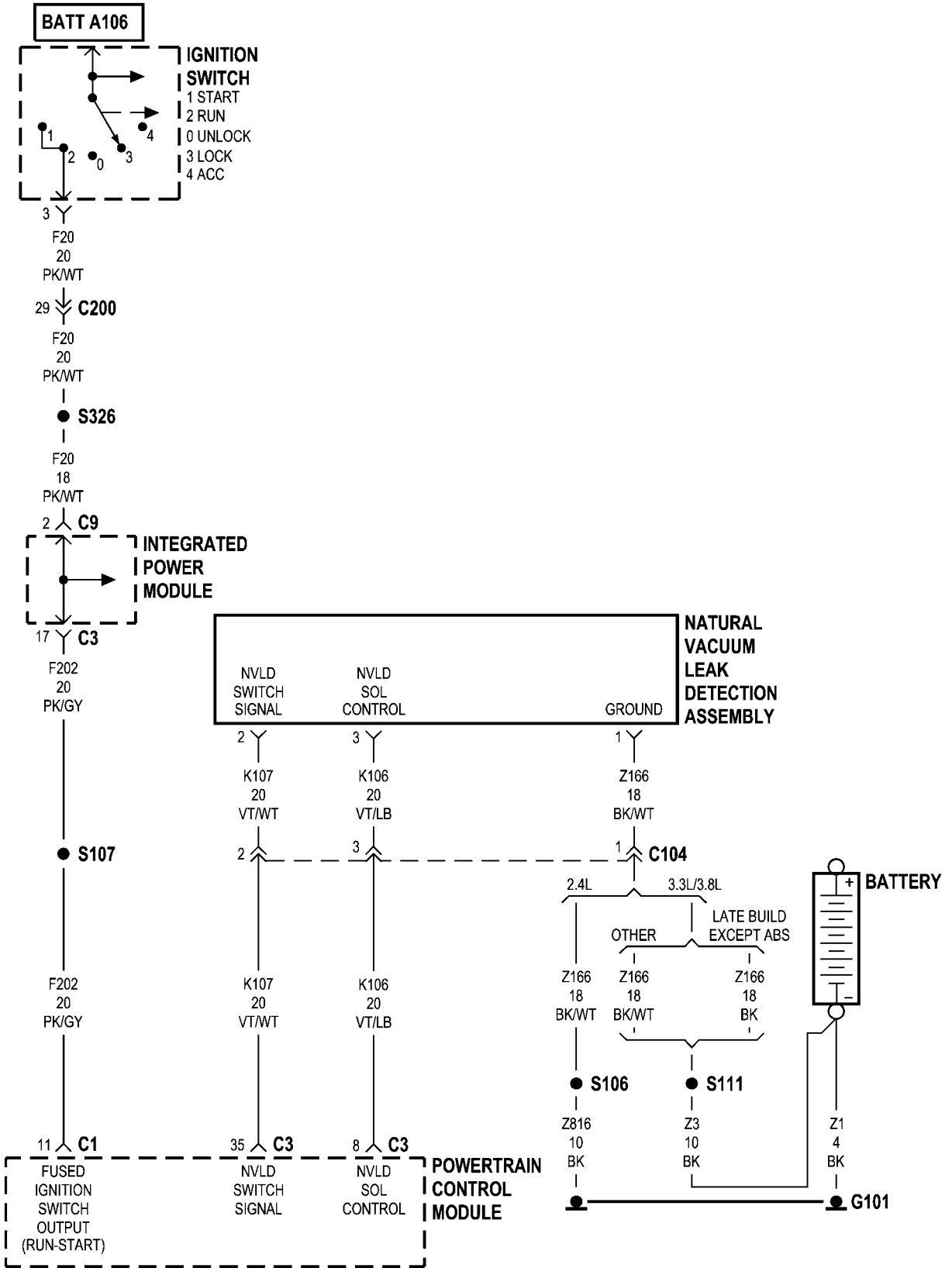


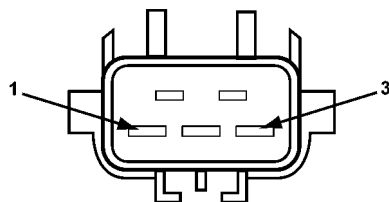
Figure C064-9 Natural vacuum leak detection solenoid for 2003 2.4L minivan, and all 2004 minivans



EVAP Purge Solenoid Connector		
Pin	Circuit	Description
1	K52 18 DB/WT	EVAP purge control
2	K70 18 BDB/BR	EVAP purge return

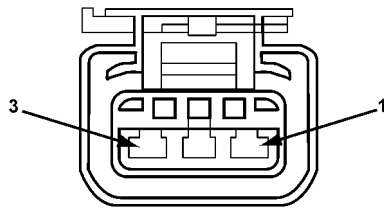
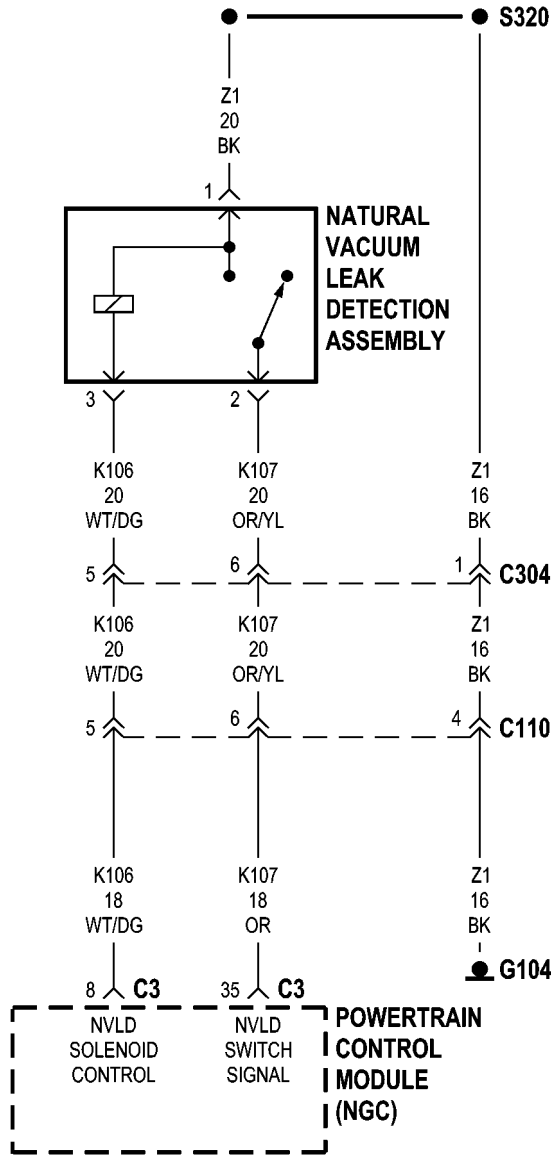
Figure C064-10 EVAP purge solenoid and natural vacuum leak detection solenoid for 2005 Caravan, Town & Country, and Voyager (sheet 1 of 2)





NVLD Assembly Connector		
Pin	Circuit	Description
1	Z166 18 BK/WT	Ground
2	K107 20 VT/WT	NVLD switch signal
3	K106 20 VT/LB	NVLD solenoid control

Figure C064–10 EVAP purge solenoid and natural vacuum leak detection solenoid for 2005 Caravan, Town & Country, and Voyager
(sheet 1 of 2)



NVLD Assembly Connector		
Pin	Circuit	Description
1	Z1 20 BK	Ground
2	K107 20 OR/YL	NVLD switch signal
3	K106 20 WT/DG	NVLD solenoid control

Figure C064-11 EVAP purge solenoid and natural vacuum leak detection solenoid for 2005 Neon and PT Cruiser 2.4L non-turbo

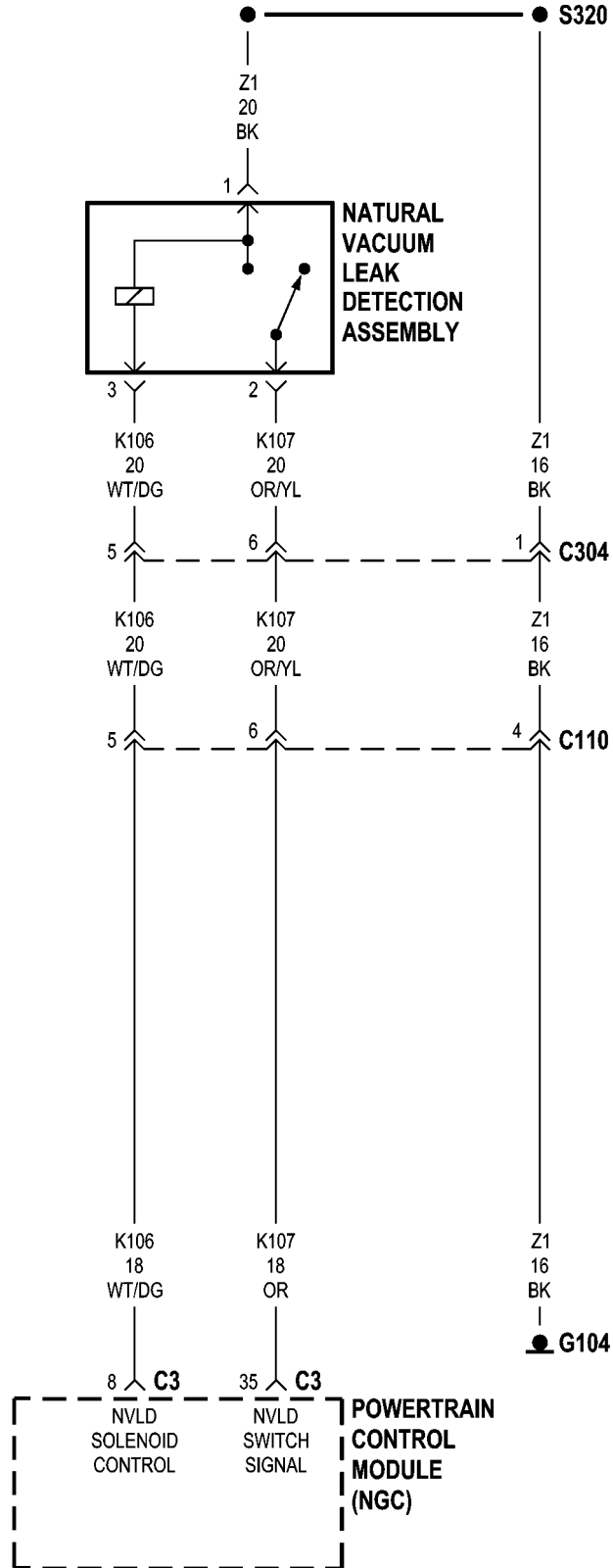


Figure C064-12 EVAP purge solenoid and natural vacuum leak detection solenoid for 2005 Neon and PT Cruiser 2.4L turbo

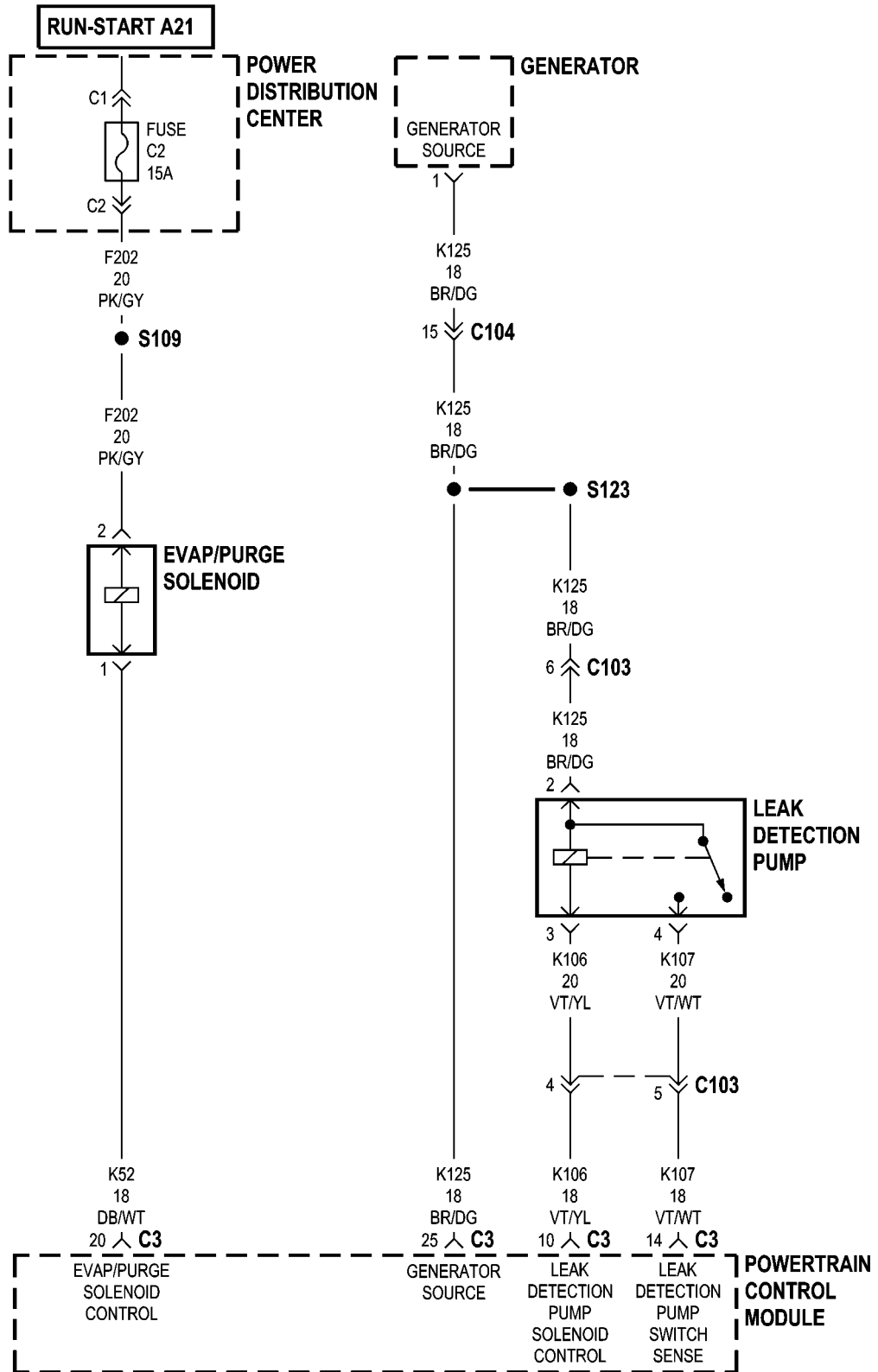
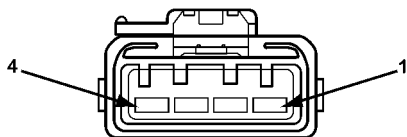


Figure C064-13 EVAP purge solenoid and natural vacuum leak detection solenoid for 2005 Viper (sheet 1 of 2)



NVLD Pump Assembly Connector		
Pin	Circuit	Description
1	—	Not used
2	K125 18 BR/DG	POwer source
3	K106 20 VT/YL	NVLD solenoid control
4	K107 20 VT/WT	NVLD switch signal

Figure C064–13 EVAP purge solenoid and natural vacuum leak detection solenoid for 2005 Viper (sheet 2 of 2)