



**IMPORTANT SERVICE
INFORMATION FOR:**

- ✓ SERVICE MANAGER
- ✓ SERVICE ADVISOR
- ✓ TECHNICIAN
- ✓ PARTS DEPARTMENT
- ✓ WARRANTY PERSONNEL

BULLETIN NUMBER:

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GROUP:

ENGINE

**Lack of Power, Engine Will Not Rev-up, Idle Vibration, Engine Starting Concerns,
DTCs P1093, P0087, P1087, P0088 and/or P1088 Set (Diagnose and Replace
Suction Control Valve (SCV) / Fuel Rail Pressure (FRP) Regulator, if necessary)**

AFFECTED VEHICLES

- 2005–2010MY Chevrolet/GMC W-Series
- 2005–2010MY Isuzu N-Series
Equipped with 5.2L 4HK1-TC Diesel Engine
- 2004–2009MY Chevrolet/GMC T-Series
- 2004–2009MY Chevrolet/GMC C-Series
- 2004–2009MY Isuzu F-Series
- 2005–2007MY Isuzu H-Series
Equipped with 7.8L 6HK1 Diesel Engine

***This bulletin supersedes Technical Service Bulletin SB08-J-003H. This bulletin is
being revised to update service procedure information. Please discard previous
bulletin SB08-J-003H.***

CONDITION

Some customers may comment on one or more of the following conditions:

- Lack of power
- Engine will not rev-up
- Idle vibration
- Engine starting concerns
- DTCs P1093, P0087, P1087, P0088, P1088 and/or P1259

CAUSE



One possible cause for this condition may be intermittent operation of the Suction Control Valve (SCV)/Fuel Rail Pressure (FRP) Regulator.

CORRECTION

Follow the appropriate diagnostic in the service manual and, if necessary, replace the SCV (FRP).

PARTS INFORMATION

IMPORTANT: Certain SCV kits include an adapter plate necessary for installation. Be sure to use all new parts contained in the SCV Kit. See figure 1 for details.

	
<p>(Figure 1) 8-98145-481-1 sample photo</p> <ul style="list-style-type: none"> ▪ SCV (FRP Regulator) ▪ Bolt (2) ▪ Adapter Plate ▪ SCV to adapter O-ring ▪ Adapter to pump O-Ring 	<p>(Figure 2) 8-98043-735-0 sample photo</p> <ul style="list-style-type: none"> ▪ SCV (FRP Regulator) ▪ Bolt (2) ▪ SCV to pump O-ring

SCV (FRP Regulator) selection must be made based on the actual supply pump part number. This part number is labeled on the supply pump next to the SCV (FRP Regulator). A picture of the label is provided below for reference. Use the below supply pump to SCV (FRP Regulator) cross reference chart to select the correct repair kit. Parts are to be obtained from AIPDN.

Supply Pump Label:



Supply Pump to SCV (FRP Regulator) Cross Reference Chart

Engine Type	For Supply Pump Part Number	Use Kit Part Number	Description
5.2L (4HK1)	8-97328-886-*	8-98043-686-0 (98043686)	SCV Kit (4HK1) excluding DPF (includes SCV, bolts and O-rings)
	8-97386-558-0 " " -1	8-98145-485-1 (98145485)	Supply Pump Overhaul Kit (4HK1) including DPF (includes SCV, Adapter plate , bolts and O-rings)
	8-97386-558-2 " " -3	8-98145-502-1 (98145502)	Supply Pump Overhaul Kit (4HK1) including DPF (includes SCV, bolts and O-rings)
7.8L (6HK1)	8-97602-049-*	8-98043-735-0 (98043735)	SCV Kit (6HK1) LG4 (includes SCV, bolts and O-rings) See figure 2
	8-97605-106-0 " " -1 " " -2 " " -3	8-98145-481-1 (98145481)	Supply Pump Overhaul Kit (6HK1) LF8 (includes SCV, Adapter plate , bolts and O-rings) See figure 1
	8-97605-106-4 " " -5 " " -6 " " -7	8-98145-489-0 (98145489)	Supply Pump Overhaul Kit (6HK1) LF8 (includes SCV, bolts and O-rings)
	* Includes all part number supersessions		