



Service Bulletin

File in Section: -

Bulletin No.: PIC5743

Date: October, 2012

PRELIMINARY INFORMATION

Subject: A/C Performance Table

Models: 2013 Chevrolet Spark

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

A customer may report / return to the dealership with a concern of poor AC performance or poor cooling especially at idle. A technician may notice SI is currently not populated with an AC performance chart.

Recommendation/Instructions

Technicians are advised to refer to the chart below when diagnosing an AC performance issue.

Ambient Temp. (Deg F)	Humidity (RH%)	Left Front Center Panel Outlet (Deg F)	Discharge Port Pressure (PSI)	Suction Port Pressure (PSI)
59.00	60.0	51.89	205.76	33.91
59.00	60.0	51.41	196.98	33.35
59.00	60.0	50.63	193.89	32.27
71.60	20.0	57.86	226.35	37.47
71.60	20.0	56.91	221.49	37.43
71.60	20.0	56.60	232.01	36.89
71.60	60.0	52.51	231.06	35.53
71.60	60.0	52.04	223.80	35.14
71.60	60.0	51.73	230.95	34.08
80.60	20.0	58.48	262.14	41.80
80.60	20.0	58.01	256.44	40.67
80.60	20.0	57.38	262.49	39.42
80.60	40.0	57.70	255.99	41.14
80.60	40.0	57.38	245.30	40.98
80.60	40.0	56.28	256.94	39.03
80.64	60.0	55.66	254.98	39.86
80.60	60.0	55.03	250.31	39.11
80.60	60.0	54.40	256.39	39.04
89.59	20.0	57.23	261.98	40.26
89.60	20.0	57.07	255.53	38.77
89.60	20.0	60.05	265.27	39.18
89.60	40.0	59.90	269.26	43.00
89.60	40.0	59.43	263.66	42.58
89.60	40.0	59.11	267.65	41.57
89.60	60.0	55.97	250.31	40.82
89.60	60.0	54.87	242.45	39.04
89.60	60.0	54.71	249.73	37.95

100.40	10.0	66.02	295.59	48.89
100.40	10.0	64.92	293.27	48.16
100.40	10.0	64.61	293.93	48.01
100.40	30.0	64.30	292.84	48.61
100.40	30.0	64.77	295.02	50.89
100.40	30.0	63.35	290.66	48.23
100.40	60.0	66.18	293.71	51.84
100.40	60.0	64.92	292.89	51.06
100.40	60.0	69.48	293.24	56.43
109.40	10.0	66.18	314.96	50.48
109.40	10.0	66.02	315.79	49.51
109.40	10.0	65.71	317.08	49.21
109.40	30.0	66.02	307.50	51.93
109.40	30.0	64.92	309.29	50.38
109.40	30.0	64.77	302.72	49.32
120.20	15.0	72.47	341.76	60.34
120.20	15.0	71.68	343.90	57.94
120.20	15.0	70.42	340.86	57.47
89.60	40.0	67.91	276.14	52.65
89.60	40.0	66.81	273.70	50.44
89.60	40.0	65.87	272.70	49.37

Note: Please Note: All readings contained in the performance chart were taken while vehicle was at idle.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.