



[Home](#) | [Account](#) | [Contact ALLDATA](#) | [Log Out](#) | [Help](#)

SHOWCASE HONDA

[Select Vehicle Reference](#) | [New TSBs](#) | [Technician's](#)

Component Search:

[Conversion Calculator](#)

1985 Chevrolet Corvette V8-350 5.7L

[Vehicle Level](#) → [Powertrain Management](#) → [Computers and Control Systems](#) → [Idle/Throttle Speed Control Unit](#) → [Specifications](#) ←

Specifications

Idle/Throttle Speed Control Unit

[Notes](#)

Idle Speed Control		
Engine	Year	Resistance (ohms)
All TBI & MFI	1981-89	20 min.
All TBI & MFI	1990	40-80
DOHC V8	1990	20 min.
All carburetted	1981-89	10 min.

Engine	Year	Minimum Speed		Checking Speed	
		Man. Trans.	Auto. Trans.	Man. Trans.	Auto. Trans.
5.0L (305)	1982-84	—	475 D	—	—
5.0L (305)	1985	—	450-550 D	—	—
5.0L (305)	1986	—	400 D	—	—
5.0L (305) MFI	1987-88	400	400 N	—	—
5.0L MFI	1989	400-450	400-450 N	—	—
5.0L MFI	1990	—	—	600-800	600-800 N
5.0L TBI	1989	450-500	450-500 N	—	—
5.0L TBI	1990	—	—	550-750	500-600 D
5.0L (350) TBI	1988-89	400-450	400-450 N	—	—
5.7L (350)	1982-84	—	475 D	—	—
5.7L (350)	1985-86	450	400 D	—	—
5.7L (350)	1987-88	450	450 N	—	—
5.7L MFI	1989	—	400-450 N	—	—
5.7L MFI ex. DOHC	1990	—	—	—	600-800 N
5.7L TBI	1989	—	450-500 N	—	—
5.7L TBI	1990	—	—	—	500-600 D



[Home](#) | [Account](#) | [Contact ALLDATA](#) | [Log Out](#) | [Help](#)

SHOWCASE HONDA

[Select Vehicle](#) | [New TSBs](#) | [Technician's Reference](#)

Component Search:

[Conversion Calculator](#)

1985 Chevrolet Corvette V8-350 5.7L

[Vehicle Level](#) → [Engine, Cooling and Exhaust](#) → [Engine](#) → [Idle Speed](#) → [Adjustments](#) → [Fast Idle Speed](#) ←

Fast Idle Speed

[Notes](#)

Fast Idle speed is controlled by the Electronic Control Module (**ECM**) and is not adjustable.

© 2008 ALLDATA LLC. All rights reserved.
[Terms of Use](#)



[Home](#) | [Account](#) | [Contact ALLDATA](#) | [Log Out](#) | [Help](#)

SHOWCASE HONDA

Select Vehicle | New TSBs | Technician's Reference

Component Search:

Conversion Calculator

1985 Chevrolet Corvette V8-350 5.7L

[Vehicle Level](#) → [Engine, Cooling and Exhaust](#) → [Engine](#) → [Idle Speed](#) → [Adjustments](#) → [Minimum Air Rate - Fuel Injection Only](#) ←

Minimum Air Rate - Fuel Injection Only

[Notes](#)

Throttle Position Sensor and IAC Specifications					
SIZE	ENGINE CODE	YEAR	INJECTION	THROTTLE POSITION SENSOR (TPS)	IDLE AIR CONTROL (IAC)
1.8/112 Turbo	J	1984-86	MFI	0.450-1.250 Volts at Idle (1)	800 RPM (M.T.), 700 RPM (A.T.)
2.0/121 Turbo	M	1987-88	MFI	0.55 ± 0.05 (1)	No Adjustment. Automatically set by ECM when vehicle speed exceeds 35 MPH
2.3/136 Quad-4	D	1988	MFI	0.54 ± 0.05 Volts	Not Adjustable (3)
2.8/173	W	1985-88	MFI	0.55 ± 0.05 Volts	650 RPM (M.T.), 550 RPM (A.T.)
2.8/173	S	1985-88	MFI	0.55 ± 0.05 Volts	600 RPM (M.T.) 500 RPM (Drive) (A.T.)
2.8/173	9	1985-88	MFI	0.40 ± 0.05 Volts (1)	500 RPM (Drive) (1)
3.0/181	L	1985-88	MFI	0.55 ± 0.05 Volts (2)	500 RPM (Drive)
3.8/231	3	1984-88	MFI/SFI	0.40 ± 0.05 Volts	500 RPM (Drive)
3.8/231	B	1986	SFI	0.40 ± 0.05 Volts	500 RPM (Drive)
3.8/231 Turbo	9	1984-85	SFI	0.40 ± 0.05 Volts	500 RPM (Drive)
3.8/231 Turbo	7	1986-87	SFI	0.40 ± 0.05 Volts	500 RPM (Drive)
3.8/231 "3800"	C	1988	SFI	0.40 ± 0.02 Volts	500 RPM (Drive)
4.1/252 Allante	7	1987-88	SFI	0.50 ± 0.02 Volts	500 RPM (Drive) (4)
5.0/305	F	1985-88	MFI	0.54 ± 0.04 Volts	500 RPM (Drive)
5.7/350	B	1985-88	MFI	0.54 ± 0.04 Volts	450 RPM (M.T.), 400 RPM (A.T.)

NOTES: (1) Not Adjustable (2) LeSabre and Olds 88 - 0.40 Volts

Idle speed is speed is controlled by the ECM through the Idle Speed Control motor and is not adjustable. The minimum air rate is adjustable as follows.

1. Ground diagnostic terminal, turn ignition to on position.
2. Wait 45 seconds for IAC to fully seat, then with ignition still on disconnect IAC connector.
3. Remove ground from diagnostic terminal and start engine.
4. Adjust idle speed to specifications.
5. Turn ignition off and reconnect IAC connector.
6. Check TPS voltage, then start engine and check idle speed.

SIZE	ENGINE CODE	YEAR	INJECTION	THROTTLE POSITION SENSOR (TPS)	IDLE AIR CONTROL (IAC)
1.8/112 Turbo	J	1984-86	MFI	0.450-1.250 Volts at Idle (1)	800 RPM (M.T.), 700 RPM (A.T.)
2.0/121 Turbo	M	1987-88	MFI	0.55 ± 0.05 (1)	No Adjustment. Automatically set by ECM when vehicle speed exceeds 35 MPH
2.3/138 Quad-4	D	1988	MFI	0.54 ± 0.05 Volts	Not Adjustable (3)
2.8/173	W	1985-88	MFI	0.55 ± 0.05 Volts	850 RPM (M.T.), 550 RPM (A.T.)
2.8/173	S	1985-88	MFI	0.55 ± 0.05 Volts	600 RPM (M.T.) 500 RPM (Drive) (A.T.)
2.8/173	9	1985-88	MFI	0.40 ± 0.05 Volts (1)	500 RPM (Drive) (1)
3.0/181	L	1985-88	MFI	0.55 ± 0.05 Volts (2)	500 RPM (Drive)
3.8/231	3	1984-88	MFI/SFI	0.40 ± 0.05 Volts	600 RPM (Drive)
3.8/231	B	1986	SFI	0.40 ± 0.05 Volts	500 RPM (Drive)
3.8/231 Turbo	9	1984-85	SFI	0.40 ± 0.05 Volts	500 RPM (Drive)
3.8/231 Turbo	7	1986-87	SFI	0.40 ± 0.05 Volts	500 RPM (Drive)
3.8/231 "3800"	C	1988	SFI	0.40 ± 0.02 Volts	500 RPM (Drive)
4.1/262 Allante	7	1987-88	SFI	0.50 ± 0.02 Volts	500 RPM (Drive) (4)
5.0/305	F	1985-88	MFI	0.54 ± 0.04 Volts	500 RPM (Drive)
5.7/350	B	1985-88	MFI	0.54 ± 0.04 Volts	450 RPM (M.T.), 400 RPM (A.T.)

NOTES: (1) Not Adjustable

(2) LeSabre and Olds 86 – 0.40 Volts