

IDLE SPEED CONTROLS (ISC)

WHAT THEY DO

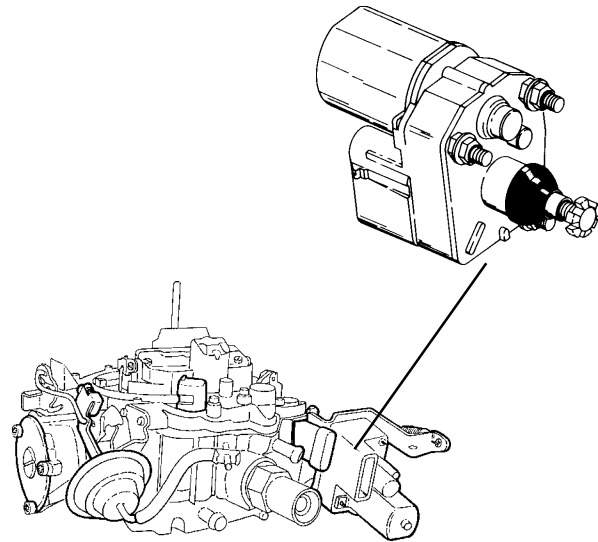
Move throttle linkage to maintain idle speed under various load conditions in both carbureted and injected engines.

FAILURE SYMPTOMS

Engine stalling and/or dieseling.

MAINTENANCE/SERVICE

Inspect for corrosion on terminals, check for proper operation and adjust with each engine tune-up.



YEAR	ENGINE	MODEL	MFG	TYPE	OE #	W/ TERMINALS	W/O TERMINALS
BUICK							
4 cyl.							
1982	1.8L (G) 111"	Skyhawk	R-2	E2ME	17079120	8425	---
1981	2.5L (5) 151"	Skylark	R-2	E2ME/MC	17068106	8425	---
6 cyl.							
1985-82	3.0L (E) 181"	Century, Electra	R-2	E2ME/MC	17079135, 17079444	8425	---
1987-81	3.8L (A) 231"	Century, LeSabre, Regal	R-2	E2ME/MC	17079132	8425	---
1984-82	4.1L (4) 252"	Electra, LeSabre, Regal, Riviera	R-4	E4ME/MC	17079136, 17079137	8425	---
8 cyl.							
1980	4.3L (S) 265"	All (w/CARB)	R-2		All	8425	---
1980	4.9L (W) 301"	All (w/CARB)	R-4		All	8425	---
1990-80	5.0L (Y) 307"	All (w/CARB)	R-4	E2ME/MC E4ME/MC	All	8425	---
1980	5.0L (H) 305"	All (w/CARB)	R-4		All	8425	---
1980	5.7L (R,X) 350"	All (w/CARB)	R-4		All	8425	---

IDLE SPEED CONTROL MOTORS/ACTUATORS

YEAR	ENGINE	MODEL	MFG	TYPE	OE#	W/ TERMINALS	W/O
CADILLAC							
4 cyl.							
1982	1.8L (G) 111"	Cimarron	R-2	E2SE	17079120	8425	---
8 cyl.							
1988-87	4.1L (7) 250"	Allante	—	MPFI	17111714	8425	---
1988-82	4.1L (7,8) 250"	DeVille, Eldorado, Fleetwood, Seville	—	TBI	17079204, 17111169, 17111170, 17112599	8425	---
1983-82	4.1L (8) 250"	DeVille, Eldorado, Seville	R-4	E4ME/MC	17079136, 17079137	8425	---
1992-88	4.5L (3,5) 273"	DeVille, Eldorado, Fleetwood, Seville	—	TBI/MPFI	17079204, 17111169, 17111170, 17112599	8425	---
1992-88	4.5L (8) 273"	Allante	—	MPFI	17111714	8425	---
1995-93	4.6L (Y,9) 279"	Concours, Eldorado, Seville	---		17111169, 17112866	8425	---
1995-91	4.9L (B) 300"	DeVille, Eldorado, Seville	—	MPFI	17112599	8425	---
1984-80	6.0L (6,9) 368"	DeVille, Fleetwood	—	DEFI	17079204	8425	---

CHEVROLET

4 cyl.							
1982	1.8L (G) 111"	Cavalier	R-2	E2SE	17079120	8425	---
1981	2.5L (5) 151"	Citation	R-2	E2ME/MC	17068106	8425	---
6 cyl.							
1987-81	3.8L (A) 231"	Impala, Malibu, Monte Carlo	R-2	E2ME/MC	17079132	8425	---
1984-81	3.8L (9) 229"	Caprice, Celebrity, El Camino, Impala, Monte Carlo	R-2	E2ME/MC	17079129	8425	---
8 cyl.							
1982-80	4.4L (J) 267"	All (w/CARB)	R-2		All	8425	---
1990-86	5.0L (Y) 307"	All (w/CARB)	R-4		All	8425	---
1988-80	5.0L (G,H) 305"	All (w/CARB)	R-4		All	8425	---
1988-80	5.7L (L,6) 350"	All (w/CARB)	R-4		All	8425	---

CHEVROLET TRUCK

6 cyl.							
1984-82	3.8L (K) 229"	El Camino	R-2	E2ME/MC	17079132	8425	---

DODGE TRUCK

6 cyl.							
1991-88	3.9L (X) 239"	B, D Series, Dakota	H-2	TBI	4288256	8425	---
8 cyl.							
1991-88	5.2L (Y) 318"	B, D Series, Dakota	H-2	TBI	4288256	8425	---
1992-88	5.9L (Z) 360"	B, D Series	H-2	TBI	4288256	8425	---

IDLE SPEED CONTROL MOTORS/ACTUATORS

YEAR	ENGINE	MODEL	MFG	TYPE	OE#	W/ TERMINALS	W/O
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FORD

4 cyl.

1990-87	1.9L (J,9) 116"	Escort	—	CFI	E8DF-9N825AA	8403	—
1987	1.9L (J,9) 116"	Escort	—	CFI	E6DF-9N825AA, E7DF-AA	8402	—
1987-85	2.3L (X) 140"	Tempo	—	CFI	E53Z-9N825A	8402	8450
1986-84	2.3L (A,S,T,W) 140"	LTD, Mustang	H-1,2	—	E4ZZ-9N825A	8400	8450
1990-88	2.5L (D) 153"	Taurus	—	CFI	E8DZ-9N825A, F0DZ-A	8403	—
1987-86	2.5L (D) 153"	Taurus	—	CFI	E53Z-9N825A	8402	8450

6 cyl.

1987-85	3.8L (3) 232"	LTD, Mustang, Thunderbird	—	CFI	E4ZZ-9N825A	8400	8450
1984	3.8L (C,3) 232"	LTD, Mustang, Thunderbird	—	CFI	E4SZ-9N825A	8401	8450

FORD TRUCK

4 cyl.

1986-83	2.0L (C) 122"	Aerostar, Bronco II, Ranger	C-1	—	E4ZZ-9N825A	8400	8450
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6 cyl.

1986-83	2.8L (S) 170"	Aerostar, Bronco II, Ranger	F-2	—	E4ZZ-9N825A	8400	8450
1986-84	4.9L (Y) 300"	Bronco, E, F Series	C-1	—	E4ZZ-9N825A	8400	8450

GMC TRUCK

6 cyl.

1984-82	3.8L (K) 229"	Caballero	R-2	E2ME/MC	17079132	8425	—
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JEEP

4 cyl.

1990-86	2.5L (E,H) 150"	Wrangler	—	TBI	83502375	8425	—
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6 cyl.

1987-86	2.8L (W) 173"	Cherokee, Comanche, Wagoneer	—	PFI	83502375	8425	—
1989-88	4.2L (M) 258"	Wagoneer, Wrangler	—	C-2	83504861	8403	—

MERCURY

4 cyl.

1988-87	1.9L (J,9) 116"	Topaz	—	CFI	E7EE-9N825CB, LC,MB,MC	8403	—
1987-85	2.3L (X) 140"	Topaz	—	CFI	E53Z-9N825A, E6DZ-A	8402	8450
1986-84	2.3L (A,S,T,W) 140"	Capri, Marquis	H-1	—	E4ZZ-9N825A	8400	8450
1990-88	2.5L (D) 153"	Sable	—	CFI	E8DZ-9N825A, F0DZ-A	8403	—
1987-85	2.5L (D) 153"	Sable	—	CFI	E53Z-9N825A, E6DZ-A	8402	8450

IDLE SPEED CONTROL MOTORS/ACTUATORS

YEAR	ENGINE	MODEL	MFG	TYPE	OE#	W/ TERMINALS	W/O
MERCURY (Contd)							
6 cyl.							
1987-85	3.8L (3) 232"	Capri, Cougar, Marquis	—	CFI	E4ZZ-9N825A	8400	8450
1984	3.8L (C,3) 232"	Capri, Cougar, Marquis	—	CFI	E4SZ-9N825A	8401	8450

OLDSMOBILE

4 cyl.							
1982	1.8L (G) 111"	Firenza	R-2	E2SE	17079120	8425	---
1981	2.5L (5) 151"	Omega	R-2	E2ME/MC	17068106	8425	---
6 cyl.							
1985-82	3.0L (E) 181"	Cutlass Ciera, 98 Regency	R-2	E2ME/MC	17079135, 17079444	8425	---
1987-81	3.8L (A) 231"	Cutlass, Delta 88	R-2	E2ME/MC	17079132	8425	---
1995	4.0L (C) 244"	Aurora			17112866	8425	---
1984-81	4.1L (4) 252"	Ciera, Tornado	R-4	E4ME/MC	17079132	8425	---
8 cyl.							
1982-80	4.3L (8) 260"	All (w/CARB)	R-2		All	8425	---
1982-80	4.4L (J) 267"	All (w/CARB)	R-2		All	8425	---
1990-80	5.0L (Y) 307"	All (w/CARB)	R-4		All	8425	---
1980	5.0L (H) 305"	All (w/CARB)	R-4		All	8425	---
1980	5.7L (R) 350"	All (w/CARB)	R-4		All	8425	---

PONTIAC

4 cyl.							
1982	1.8L (G) 111"	Sunbird, 2000	R-2	E2SE	17079120	8425	---
1981	2.5L (5) 151"	Phoenix	R-2	E2ME/MC	17068106	8425	---
6 cyl.							
1987-81	3.8L (A) 231"	Bonneville, Firebird, Grand Prix, LeMans	R-2	E2ME/MC	17079132	8425	---
1982	4.1L (4) 252"	Bonneville, Grand Prix, LeMans	R-4	E4ME/MC	17079132, 17079136, 17079137	8425	---
8 cyl.							
1981-80	4.3L (S) 265"	All (w/CARB)	R-2		All	8425	---
1982-81	4.4L (J) 267"	All (w/CARB)	R-2		All	8425	---
1981-80	4.9L (T,W) 301"	All (w/CARB)	R-4		All	8425	---
1990-86	5.0L (Y) 307"	All (w/CARB)	R-4		All	8425	---
1987-80	5.0L (G,H) 305"	All (w/CARB)	R-4		All	8425	---
1981-80	5.0L (Y) 307"	All (w/CARB)	R-4		All	8425	---
1982-80	5.7L (L,R,X) 350"	All (w/CARB)	R-4		All	8425	---

IDLE SPEED CONTROL MOTORS/ACTUATORS

OEM INTERCHANGES

OEM#	W/ TERMINALS	W/O	OEM#	W/ TERMINALS	W/O	OEM#	W/ TERMINALS	W/O
	AMC/JEEP		E7EE-9N825MC	8403	--	17079135	8425	--
83502375	8425	--	E8DZ-9N825A	8403	--	17079136	8425	--
83504861	8403	--	F0DZ-9N825A	8403	--	17079137	8425	--
	CHRYSLER			GM		17079204	8425	--
4288256	8425	--	17067980	8425	--	17079444	8425	--
	FORD		17068106	8425	--	17079663	8425	--
E4SZ-9N825A	8401	8450	17068282	8425	--	1708333	8425	--
E4ZZ-9N825A	8400	8450	17069198	8425	--	17111169	8425	--
E53Z-9N825A	8402	8450	17069199	8425	--	17111170	8425	--
E6DZ-9N825A	8402	8450	17079120	8425	--	17111714	8425	--
E7EE-9N825LB	8403	--	17079129	8425	--	17112599	8425	--
E7EE-9N825LC	8403	--	17079130	8425	--	17112866	8425	--
E7EE-9N825MB	8403	--	17079131	8425	--	17112866	8425	--
			17079132	8425	--	22020975	8425	--
						893504861	8403	--

NUMERICAL LIST

PART# APPLICATION & YEAR

FIG.#

8400	FORD, MERC 84-86, F TRK 83-86	1
8401	FORD, MERC 84	4
8402	FORD, MERC 85-87	1
8403	FORD 87-90, JEEP 88-89, MERC 88-90	2
8425	BUICK, CHEV, OLDS, PONT 80-90, CAD 80-93, C TRK, GMC TRK 82, D TRK 88-92, JEEP 86-90	5
8450	FORD, MERC 84-87, F TRK 83-86	3

IDLE SPEED CONTROL MOTORS/ACTUATORS



FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5