

# IAC THROTTLE AIR BYPASS VALVES

## WHAT THEY DO

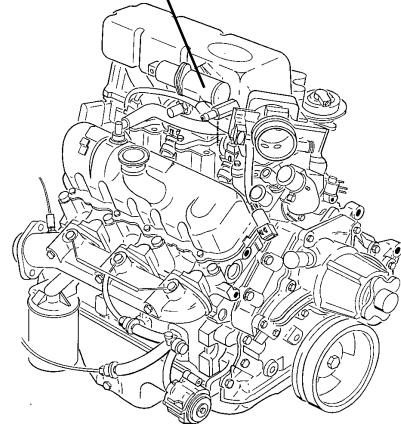
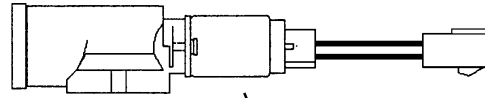
This valve allows air to pass around the throttle plates to control engine idle speed. It is controlled by the computer.

## FAILURE SYMPTOMS

Vehicle stalling, high or low idle speeds. "Check Engine" light on continuously.

## MAINTENANCE/SERVICE:

Check for carbon buildup and clean passages every 25,000 miles. Replace according to manufacturer's specifications.



YEAR	ENGINE	MODEL	OE #	PART #
<b>FORD</b>				
<b>4 cyl.</b>				
1985-1983	1.6L (5) 98"	Escort, EXP	E3EE-9F715A1A,A1B,A2A	8490 #
1996	1.9L (8) 116"	Escort	F6CE-9F715BB,F6CZ-BA,BB	8474
1995-1992	1.9L (J) 116"	Escort	F3CZ-9F715A,F5DZ-BA	8498
1993-1992	1.9L (J) 116"	Escort	F2CZ-9F715A,F3CZ-AA	8492
1991-1986	1.9L (J) 116"	Escort	E3EE-9F715A1A,A1B,A2A,E6AE-D1A, D1B,E9DE-A1A,E9EE-A1A,F0AE-A1A, A2A	8490 #
1994-1992	2.3L (X) 140"	Tempo	F23E-9F715DA,F23Z-D	8479 +
1992-1987	2.3L (A,M) 140"	Mustang	E6AE-9F715C1A,C1B,E9AE-A1A,A2A, E9TE-A1A,F0AE-A1A,A2A,F0TE-AA	8490 #
1989-1984	2.3L (W) 140"	Mustang, Thunderbird (w\Turbo)	E3EE-9F715A1A,A1B,A2A,E6AE-D1A, D1B,E7SE-AA,E9DE-A1A	8490 #
1986-1984	2.3L (W) 140"	Mustang SVO	E4ZX-9F715AB	8490 #
<b>6 cyl.</b>				
1998-1996	2.5L (L) 153"	Contour	F5DE-9F715BB,F63E-AA,F66E-AC, F6LZ-AC	8473
1995	2.5L (L) 153"	Contour	F53E-9F715AA,AB,F5RZ-A	8482
1992-1991	2.5L (N) 153"	Taurus	F1DZ-9F715A,F23Z-D	8479 +

A complete cross reference from O.E.M. part numbers to Tomco, Inc. part numbers begin on page 448.

+ Replacement part must be mounted in the reverse direction of the original equipment part.

#Problem solving spacer kit (#8491) available for this part, refer to page 451.

# IAC-THROTTLE AIR BYPASS VALVES

YEAR	ENGINE	MODEL	OE #	PART #
<b>FORD 6 cyl (Contd)</b>				
1998	3.0L (1,2) 182"	Taurus (w/Flex Fuel)	F67E-9E715BA,F67Z-AA,F75E-AA	8471
1998-1997	3.0L (U) 182"	Taurus (SOHC)	F67E-9E715BA,F67Z-AA,F75E-AA	8471
1997-1996	3.0L (S) 182"	Taurus (DOHC 24V)	F5DE-9F715DA,F5DE-CA,F5DZ-CA	8475
1996	3.0L (S) 182"	Taurus (DOHC)	F6DE-9F715BA,DA,F6DZ-B	8476
1996	3.0L (2) 182"	Taurus (FFV)	F6DE-9F715BA,DA,F6DZ-B	8476
1996	3.0L (U) 182"	Taurus (SOHC 12V)	F6DE-9F715DA,F6DZ-DA	8476
1995-1992	3.0L (U) 182"	Taurus (Exc.SHO)	F23E-9F715CA,F27E-CA,F2DE-DA, F2DZ-D,F3DE-DA	8484
1994-1992	3.0L (U) 183"	Tempo	F2DE-9F715DA,F2DZ-D,F23E-CA	8484
1992-1989	3.0L (Y) 182"	Taurus, SHO	E9AE-9F715A1A,A2A,F0DE-AA	8490 #
1992-1986	3.0L (U) 182"	Probe, Taurus	E3EE-9F715A1A,A1B,A2A,E6AE,D1A, D1B,E9DE-A1A,E9EE-A1A	8490 #
1995-1993	3.2L (P) 195"	Taurus SHO	F3DE-9F715AB,F3DZ-A	8486
1997-1996	3.4L (N) 207"	Taurus	F6LE-9F715AB,AC,F6LZ-AB	8473
1995-1994	3.8L (4) 232"	Mustang, Thunderbird	F4ZE-9F715A,F4ZZ-A	8478 +
1995-1992	3.8L (4) 232"	Taurus	F2DE-9F715AA,F2DZ-A,C	8499
1994-1989	3.8L (C,R) 232"	Thunderbird (SC)	E9SE-9F715EA,EB,E9SZ-E	8478 +
1991-1989	3.8L (4) 232"	Taurus	E9SE-9F715EA,EB,E9SZ-E	8478 +
1988	3.8L (4) 232"	Taurus, Thunderbird (Exc.SC)	E6AE-9F715C1A,C1B	8490 #
<b>8 cyl.</b>				
1998-1997	4.6L (X) 281"	Mustang (SOHC)	F6AE-9F715EA,EB,F6AZ-EA,EB	8493
1997	4.6L (W) 281"	Crown Victoria	F6AE-9F715EA,EBF6AZ-EA,EB	8493
1997	4.6L (9) 281"	Crown Victoria (w/NGV)	F65E-9F715BB,F65Z-BB	8494
1997	4.6L (V) 281"	Mustang, Cobra (32V)	F65E-9F715BB,F65Z-BB	8494
1997-1996	4.6L (W) 281"	Thunderbird	F6AE-9F715EA,EB,F6AZ-EA,EB	8493
1995-1994	4.6L (W) 281"	Thunderbird	F2AE-9F715AA,F2AZ-A	8496
1995-1992	4.6L (W) 281"	Crown Victoria	F2AE-9F715AA,F2AZ-A	8496
1992	4.6L (W) 281"	Crown Victoria	F1AE-9F715BC,CA,DA,F1AZ-B,C,D, F2AE-AA,F2AZ-A	8496
1995-1994	5.0L (T) 302"	Mustang	F4ZE-9F715AA,F4ZZ-A	8478 +
1993-1986	5.0L (E,F) 302"	Mustang, Thunderbird	E6ZE-9F715A1A,A1B,E9AE-B1A, F0AE-B1A	8490 #
1991-1986	5.0L (E,F) 302"	Crown Victoria, Thunderbird	E6AE-9F715C1A,C1B,E9AE-A1A, F0AE-A1A,A2A	8490 #

## FORD TRUCK

### 4 cyl.

1994	2.3L (A) 140"	Ranger	F37E-9F715A1B,F47Z-A	8485
1994-1985	2.3L (A) 140"	Ranger	E59E-9F715AC,E9TE-A1A,F0TE-AA	8490 #
1987-1986	2.3L (A) 140"	Aerostar, Bronco II	E59E-9F715AC	8490 #

### 6 cyl.

1992-1990	2.9L (T) 177"	Ranger	E9AE-9F715A1A,A2A,F0AE-A1A,A2A	8490 #
1989-1986	2.9L (T) 177"	Bronco II, Ranger	E3EE-9F715A1B,E6AE-C1A,C1B,D1A, D1B,E9AE-A1A,A2A	8490 #
1998	3.0L (U) 182"	Windstar	F67E-9F715AA,F67Z-AA	8480
1997	3.0L (U) 182"	Ranger	F69E-9F715AA,F69Z-AA,F77E-AA	8477
1997-1996	3.0L (U) 182"	Aerostar	E77Z-9F715AA,F69E-AA,F69Z-AA, F77E-AA	8477
1996-1995	3.0L (U) 182"	Windstar	F2DE-9F715DA,F2DZ-D	8484

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# IAC-THROTTLE AIR BYPASS VALVES

YEAR	ENGINE	MODEL	OE #	PART #
<b>FORD TRUCK 6 cyl (Contd)</b>				
1996-1995	3.0L (U) 182"	Ranger	F57E-9F715AB,F57Z-A	8480
1995-1992	3.0L (U) 182"	Aerostar	F23E-9F715CA,F27E-CA,F2TE-DA, F2TZ-C	8484
1994-1992	3.0L (U) 182"	Ranger	F27E-9F715CA,F2DE-DA,F2DZ-D	8484
1991	3.0L (U) 182"	Ranger	E9DE-9F715A1A,E9EE-A1A	8490 #
1991-1986	3.0L (U) 182"	Aerostar	E6AE-9F715D1A,D1B,E9DE-A1A, E9EE-A1A	8490 #
1996	3.8L (4) 232"	Aerostar, Windstar	F68Z-9F715CA	8495
1995	3.8L (4) 232"	Windstar	F2DE-9F715AA,F2DZ-C	8499
1998-1996	4.0L (X) 244"	Aerostar, Explorer	F50Z-9F715AB	8481
1995	4.0L (X) 244"	Ranger	F5TZ-9F715B	8481
1995	4.0L (X) 244"	Explorer	F5TZ-9F715A	8472
1995-1990	4.0L (X) 244"	Aerostar, Explorer, Ranger	E9TE-9F715BA,F0TE-B1A	8490 #
1996-1995	4.9L (Y) 300"	E, F Series (Cal.)	F2DE-9F715AA,F2DZ-C	8499
1995-1990	4.9L (Y) 300"	E150, E250, E350, F150, F250, F350, U150	E9AE-9F715A1A,A2A,FOAE,A1A,A2A, F0TE-CA	8490 #
1989-1987	4.9L (Y) 300"	E150, E250, F150, F250, U150	E6AE-9F715C1A,C1B,E9AE-A1A,A2A	8490 #
<b>8 cyl.</b>				
1998-1997	4.6L (6) 281"	E Series	F6AE-9F715AB,F6LE-AB,AC	8473
1997	4.6L (6) 281"	Expedition	F6AE-9F715AB,F6LE-AB,AC	8473
1998	5.0L (P) 302"	Explorer	F67E-9E175BA,F67Z-AA,F75E-AA	8471
1997	5.0L (P) 302"	Explorer	F73E-9F715AA	8471
1997-1994	5.0L (N) 302"	Bronco, E, F Series	F4TE-9F715AA,F4TZ-A,F6TE-HA	8483
1993-1985	5.0L (N) 302"	E150, E250, F150, F250, U150	E3EE-9F715A1B,E5TE-DA,E7TE-F1A, E9TE-BA,F0TE-BA,B1A	8490 #
1998	5.4L (M) 330"	E250, 350	F7UE-9F715FB,F7UZ-B	8404
1998-1997	5.4L (L,M,N) 330"	F150, 250, Expedition	F73E-9F715AA	8471
1997-1994	5.8L (H,R) 351"	Bronco, E, F Series	F4TE-9F715AA,F4TZ-A,F6TE-HA	8483
1995-1993	5.8L (H) 351"	Bronco, E150,250,350, F150,250,350	E6ZE-9F715A1A,A1B,E9AE-B1A, FOAE-B1A	8490 #
1993-1991	5.8L (H,R) 351"	Bronco, E, F Series	F1TE-9F715BA,F2TE-BA,F2TZ-F	8497
1991-1988	5.8L (H) 351"	E150, E250, E350, F150, F250, F350, U150	E7TE-9F715F1A,E9TE-BA,CA,F0TE-B1A	8490 #
1997-1994	7.5L (G) 460"	E, F Series	F2LE-9F715AD,A1D,F2LY-A,F6TE-GA	8488
1992-1988	7.5L (G) 460"	E250, E350, F250, F350, F (Superduty)	E6AE-9F715C1B,E9AE-A1A,A2A, E9AF-A1A,A2A,FOAE-A1A,A2A, FOHE-9F715A1A	8490 #

## LINCOLN

### 6 cyl.

1994-1992	3.8L (4) 232"	Mark Series	F2DE-9F715AA,CA,F2DZ-C	8499
1991-1989	3.8L (4) 232"	Continental	E9SE-9F715EA,EB,E9SZ-E	8478 +
1988	3.8L (4) 232"	Continental	E6AE-9F715C1A,C1B	8490 #

### 8 cyl.

1997	4.6L (V) 281"	Continental	F53E-9F715AA,F5RZ-A	8482
1997	4.6L (V) 281"	Mark VIII	F67E-9E175BA,F67Z-AA,F75E-AA	8471
1997-1996	4.6L (W) 281"	Town Car	F6AE-9F715EA,EB,F6AZ-EA,EB	8493
1996	4.6L (V) 281"	Mark Series	F6LE-9F715AC,F6LZ-AB,AC	8473

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YEAR	ENGINE	MODEL	OE #	PART #
<b>LINCOLN 8 cyl (Contd)</b>				
1995-1993	4.6L (V) 281"	Mark Series	F3LE-9F715A1A,F3LY-A	8487
1995-1991	4.6L (W) 281"	Town Car	F1AE-9F715BC,CA,DA,F1AZ-C,F2AE-AA, F2AZ-A	8496
1994-1993	4.6L (V) 281"	Mark Series	F2LE-9F715A1D,AD,F2LY-A	8488
1992-1986	5.0L (E,F) 302"	Mark, Town Car	E6AE-9F715C1A,C1B,E6ZE-A1A,A1B, E9AE-A1A,B1A,FOAE-A1A,A2A,B1A	8490 #

## LINCOLN TRUCK

### 8 cyl.

1998	5.4L (L) 330"	Navigator	F73E-9F715AA	8471
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## MAZDA TRUCK

### 6 cyl.

1996	4.0L (X) 244"	B4000	ZZM5-20-660,95TF-9F715BB	8481
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## MERCURY

### 4 cyl.

1986-1983	1.6L (5,8) 98"	Lynx	E3EE-9F715A1A,A1B,A2A	8490 #
1996	1.9L (J) 116"	Tracer	F6CE-9F715BB,F6CZ-BA,BB	8474
1995-1992	1.9L (J) 116"	Tracer	F3CZ-9F715A,F5DZ-BA	8498
1993-1992	1.9L (J) 116"	Tracer	F2CZ-9F715A,F3CZ-AA	8492
1987-1986	1.9L (9) 116"	Lynx	E3EE-9F715A1A,A1B,A2A,E6AE-D1A, D1B,E9DE-A1A,E9EE-A1A,FOAE-A1A, A2A	8490 #
1994-1992	2.3L (X) 140"	Topaz	F23E-9F715DA,F23Z-D	8479 +
1992-1987	2.3L (S,X) 140"	Topaz	E6AE-9F715C1A,C1B,E9AE-A1A,A2A, E9TE-A1A,FOAE-A1A,A2A,F0TE-AA	8490 #
1986-1984	2.3L (T,W) 140"	Capri, Cougar (w/Turbo)	E3EE-9F715A1A,A1B,A2A,E6AE-D1A, D1B,E4ZX-9F715AB,E7SE-AA,E9DE-A1A	8490 #

### 6 cyl.

1998-1996	2.5L (L) 153"	Mystique	F5DE-9F715BB,F6LE-AC,F6LZ-AB,AC	8473
1995	2.5L (L) 153"	Mystique	F53E-9F715AA,AB,F5RZ-A	8482
1998-1997	3.0L (U) 182"	Sable	F67E-9E175BA,F67Z-AA,F75E-AA	8471
1997-1996	3.0L (S) 182"	Sable (DOHC 24V)	F5DE-9F715CA,DA,F5DZ-CA	8475
1996	3.0L (U) 182"	Sable (SOHC)	F6DE-9F715DA,F6DZ-B	8476
1995-1994	3.0L (1) 182"	Sable (Methanol Conversion)	F23E-9F715CA,F2DE-DA,F27E-CA	8484
1994-1992	3.0L (U) 182"	Topaz	F2DE-9F715DA,F2DZ-D,F2TZ-C,F27E-CA	8484
1992-1986	3.0L (U) 181"	Sable, Topaz	E3EE-9F715A1A,A1B,A2A,E6AE-D1A, D1B,E9DE-A1A,E9EE-A1A	8490 #
1995-1992	3.8L (4) 232"	Sable	F2DE-9F715AA,F2TZ-A,C	8499
1995-1988	3.8L (4) 232"	Cougar, XR7	E9SE-9F415EA,EB,E9SZ-E,F4ZE-AA, F4ZZ-A	8478 +
1991-1988	3.8L (4) 232"	Sable	E9SE-9F715E,F9SE-EA,EB	8478 +
1988	3.8L (4) 232"	Cougar, Sable	E6AE-9F715C1A,C1B	8490 #

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# IAC-THROTTLE AIR BYPASS VALVES

YEAR	ENGINE	MODEL	OE #	PART #
<b>MERCURY (Contd)</b>				
<b>8 cyl.</b>				
1997	4.6L (W) 281"	Cougar, Grand Marquis	F6AE-9F715EA,EB,F6AZ-EA,EB	8493
1997	4.6L (9) 281"	Grand Marquis (w/NGC)	F65E-9F715BB,F65Z-BB	8494
1995	4.6L (W) 281"	Cougar	F2AE-9F715AA,F2AZ-A	8496
1995-1992	4.6L (W) 281"	Grand Marquis	F1AE-9F715BC,CA,DA,F1AZ-C,D, F2AE-AA,F2AZ-A	8496
1993-1986	5.0L (E,F) 302"	Capri, Cougar	E6ZE-9F715A1A,A1B,E9AE-B1A, FOAE-B1A	8490 #
1993-1986	5.0L (E,F) 302"	Grand Marquis	E6AE-9F715C1A,C1B,E6ZE-A1A,A1B, E9AE-A1A,FOAE-A1A,A2A	8490 #

## MERCURY TRUCK

<b>8 cyl.</b>				
1997	5.0L (P) 302"	Mountaineer	F73E-9F715AA	8471

## MERKUR

<b>6 cyl.</b>				
1989-1988	2.9L (V) 177"	Scorpio	E3EE-9F715A1B,87TF-AA	8490 #

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# IAC - THROTTLE AIR BYPASS VALVES

## OEM INTERCHANGES

OEM#	PART#	OEM#	PART#	OEM#	PART#	OEM#	PART#
<b>FORD</b>		E9EE-9F715A1A	8490	F2DZ-9F715A	8499	F5TZ-9F715B	8481
96TF-9F715AB	8481	E9SE-9F715E	8478+	F2DZ-9F715C	8499	F63E-9F715AA	8473
96TZ-9F715AB	8481	E9SE-9F715EA	8478+	F2DZ-9F715D	8484	F65E-9F715BB	8494
E3EE-9F715A1A	8490	E9SE-9F715EB	8478+	F2LE-9F715A1D	8488	F65Z-9F715BB	8494
E3EE-9F715A1B	8490	E9SZ-9F715E	8478+	F2LE-9F715AD	8488	F66E-9F715AC	8473
E3EE-9F715A2A	8490	E9TE-9F715A1A	8490	F2LY-9F715A	8488	F67E-9F715AA	8480
E3FZ-9F715A	8490	E9TE-9F715BA	8490	F2TE-9F715BA	8497	F67E-9F715BA	8471
E4ZX-9F715AB	8490	E9TE-9F715CA	8490	F2TZ-9F715A	8499	F67Z-9F715AA	8480
E4ZZ-9F715A	8490	E9TZ-9F715A	8490	F2TZ-9F715C	8499	F67Z-9F715BA	8471
E59E-9F715AC	8490	E9TZ-9F715B	8490	F2TZ-9F715C	8484	F68Z-9F715CA	8495
E5TE-9F715D1A	8490	E9ZE-9F715A1B	8490	F2TZ-9F715F	8497	F69E-9F715AA	8477
E5TE-9F715DA	8490	FOAE-9F715A1A	8490	F37E-9F715A1B	8485	F69Z-9F715AA	8477
E5TZ-9F715D	8490	FOAE-9F715A2A	8490	F3CE-9F715AA	8492	F6AE-9F715AB	8473
E69Z-9F715A	8490	FOAE-9F715B1A	8490	F3CZ-9F715A	8498	F6AE-9F715EA	8493
E6AE-9F715C1A	8490	FODE-9F715AA	8490	F3CZ-9F715AA	8492	F6AE-9F715EB	8493
E6AE-9F715C1B	8490	FOHE-9F715A1A	8490	F3DE-9F715AB	8486	F6AZ-9F715EA	8493
E6AE-9F715D1A	8490	FOTE-9F715AA	8490	F3DE-9F715DA	8484	F6AZ-9F715EB	8493
E6AE-9F715D1B	8490	FOTE-9F715B1A	8490	F3DZ-9F715A	8486	F6CE-9F715BB	8474
E6AZ-9F715A	8490	FOTE-9F715BA	8490	F3LE-9F715A1A	8487	F6CZ-9F715BA	8474
E6AZ-9F715D	8490	FOTE-9F715CA	8490	F3LY-9F715A	8487	F6CZ-9F715BB	8474
E6ZE-9F715A1A	8490	F1AE-9F715BC	8496	F47Z-9F715A	8485	F6DE-9F715BA	8476
E6ZZ-9F715A	8490	F1AE-9F715CA	8496	F4TE-9F715AA	8483	F6DE-9F715DA	8476
E6ZZ-9F715C	8490	F1AE-9F715DA	8496	F4TZ-9F715A	8483	F6DZ-9F715B	8476
E77Z-9F715AA	8477	F1AZ-9F715B	8496	F4ZE-9F715A	8478+	F6DZ-9F715DA	8476
E7SE-9F715AA	8490	F1AZ-9F715C	8496	F4ZE-9F715AA	8478+	F6LE-9F715AB	8473
E7SZ-9F715A	8490	F1AZ-9F715D	8496	F4ZZ-9F715A	8478+	F6LE-9F715AC	8473
E7TE-9F715F1A	8490	F1DZ-9F715A	8479+	F50Z-9F715AB	8481	F6LZ-9F715AB	8473
E7TZ-9F715A	8490	F1TE-9F715BA	8497	F53E-9F715AA	8482	F6LZ-9F715AC	8473
E8RY-9F715A	8490	F23E-9F715CA	8484	F53E-9F715AB	8482	F6TE-9F715GA	8488
E9AE-9F715A1A	8490	F23E-9F715DA	8479+	F57E-9F715AB	8480	F6TE-9F715HA	8483
E9AE-9F715A2A	8490	F23Z-9F715D	8479+	F57Z-9F715A	8480	F73E-9F715AA	8471
E9AE-9F715B1A	8490	F27E-9F715CA	8484	F5DE-9F715BB	8473	F75E-9F715AA	8471
E9AF-9F715A1A	8490	F2AE-9F715AA	8496	F5DE-9F715CA	8475	F77E-9F715AA	8477
E9AF-9F715A2A	8490	F2AZ-9F715A	8496	F5DE-9F715DA	8475	F7UE-9F715FB	8404
E9AZ-9F715A	8490	F2CZ-9F715A	8492	F5DZ-9F715BA	8498	F7UZ-9F715B	8404
E9AZ-9F715B	8490	F2DE-9F715AA	8499	F5DZ-9F715CA	8475		
E9DE-9F715A1A	8490	F2DE-9F715CA	8499	F5RZ-9F715A	8482		
E9DZ-9F715B	8490	F2DE-9F715DA	8484	F5TZ-9F715A	8472		

# IAC - THROTTLE AIR BYPASS VALVES

PART #	APPLICATION & YEAR .....	FIG#
8404*	F TRK 98 .....	19
8471*	FORD, MERC 97-98, F TRK 98, LINC 97 .....	18
8472*	F TRK 95 .....	16
8473*	FORD, MERC 96-98, F TRK 97-98, LINC 96 .....	2
8474*	FORD, MERC 96 .....	17
8475*	FORD, MERC 96-97 .....	12
8476*	FORD, MERC 96 .....	8
8477*	F TRK 96-97 .....	2
8478*	FORD 89-95, LINC 89-91, MERC 88-95 .....	14
8479*	FORD 91-94, MERC 92-94 .....	5
8480*	F TRK 95-98 .....	2
8481*	F TRK 95-98 .....	6
8482*	FORD, MERC 95, LINC 97 .....	9
8483*	F TRK 94-97 .....	10
8484*	FORD, MERC 92-95, F TRK 92-96 .....	2
8485*	F TRK 94 .....	17
8486*	FORD 93-95 .....	13
8487*	LINC 93-95 .....	2
8488*	F TRK 94-97, LINC 93-94 .....	11
8490	FORD 83-92, F TRK 85-95, LINC 86-92, MERC 83-93, MERKUR 88-89 .....	1
8492*	FORD, MERC 92-93 .....	3
8493*	FORD 96-98, LINC 96-97, MERC 97 .....	7
8494*	FORD, MERC 97 .....	3
8495*	F TRK 96 .....	17
8496*	FORD, MERC 92-95, LINC 91-95 .....	4
8497*	F TRK 91-93 .....	15
8498*	FORD, MERC 92-95 .....	17
8499*	FORD, MERC 92-95, F TRK 95-96, LINC 92-94 .....	2



FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6

\*New in this Catalog

# IAC-THROTTLE AIR BYPASS VALVES

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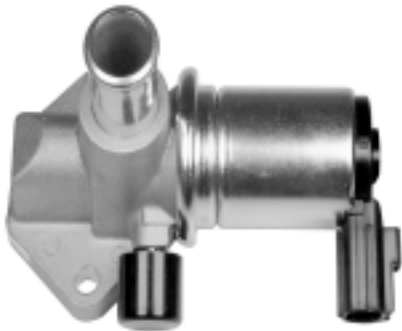


FIG. 7

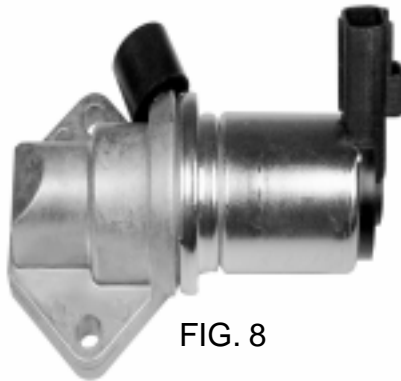


FIG. 8



FIG. 9



FIG. 10



FIG. 11



FIG. 12



FIG. 13



FIG. 14



FIG. 15



FIG. 16



FIG. 17



FIG. 18



FIG. 19