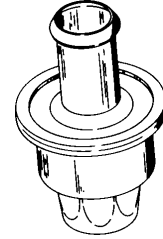


AIR PUMP CHECK VALVES

WHAT THEY DO

Air Pump Check Valves are one-way air flow control valves in the air supply tubes to the exhaust system. These valves prevent exhaust gas back flow into the Air Pump System which would damage other components of the system. They can also be found in the Air Tube to the three-way catalytic converter and are then called converter check valves.

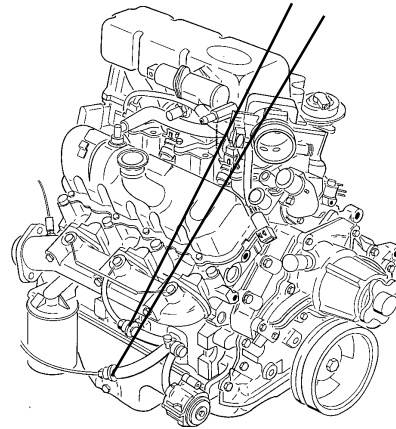


FAILURE SYMPTOMS

Underhood exhaust leak or noise. Exhaust bypassing the valve can lead to Air Pump failure.

MAINTENANCE/SERVICE

Inspect valve for rust and/or exhaust gas residue. With engine running, check valve for exhaust flow on the pump side of the valve. Replace valve if exhaust is present.



YEAR	ENGINE	MODEL	OE #	PART #
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ALFA ROMEO

4 cyl.

1980-72	2.0L (AR01615, AR01629) 120"	All Models (w/Air Pump)	11634-35032-01	17007
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AMC

4 cyl.

1983-79	All	All Models (Exc.Cal.)	3233960,3239802	17001
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6 cyl.

1986-79	4.2L (C) 258"	All Models	3233960	17001
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BMW

4 cyl.

1976-64	2.0L (M10) 121"	All Models (w/Air Pump)	1164-0743-195	17001
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AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
BUICK				
4 cyl.				
1983-82	1.8L (D) 111"	Skyhawk	22034703,705,22040897,22041201,22048209, 22050642	17001
1983-82	2.0L (B) 121"	Skyhawk	22040897,22050642	17001
1981	2.5L (5) 151"	Skyhawk, Skylark	22040897,22050639,22097058	17001
6 cyl.				
1989-81	2.8L (W,X) 173"	Century, Regal	22040897,22048209,22050636,642	17001
1985-81	2.8L (X) 173"	Skylark	22040897,22048209,22050636,642	17001
1985	3.0L (E,L) 181"	Electra	22048209,578,22050642	17001
1985-83	3.0L (E,L) 181"	Century (Exc.Convert.)		17004
1984-82	3.0L (E) 181"	Century (To Convert.)	22040897,22048206,209	17001
1993	3.1L (T) 189"	Regal	22040897	17001
1988-84	3.8L (A,B,C,3) 231"	Electra	22040897,22048209,579,22050642	17001
1988-81	3.8L (A,B,C,3) 231"	Riviera	22040897,22048206,209,579,22050642, 22097058	17001
1987-81	3.8L (A,B,C,3) 231"	Regal	22040897,22048206,209,579,22050642, 22097058	17001
1985-81	3.8L (A,3) 231"	Estate Wagon, LeSabre	22040897,22048206,579,22097058	17001
1981	3.8L (A) 231"	Century (ExcTurbo)	22048206,22097058	17001
1980	3.8L (A,3) 231"	Century	22008616,22016736,22017158,22050632	17004
1980-78	3.8L (A,G,2,3) 231"	Estate Wagon, LeSabre, Regal, Riviera	22008616,22016736,22017158,22050632	17004
1979	3.8L (A,2,3) 231"	Century	22016902	17001
1979	3.8L (A,2,3) 231"	Electra		17004
1978	3.8L (A,G,2,3) 231"	Century	22008616,22016736,22017158,22050635	17004
1977	3.8L (C) 231"	Estate Wagon, LeSabre, Regal	22034702,22050636	17001
1984-82	4.1L (4) 252"	Regal, Riviera	22040897,22048206,579,22097058	17001
1984-81	4.1L (4) 252"	Estate Wagon, LeSabre	22040897,22048206,579,22097058	17001
1983-81	4.1L (4) 252"	Electra	22040897,22048206,579,22097058	17001
1981	4.1L (4) 252"	Riviera	22048206,22097058	17001
1980-66	All	Skylark	22040897,22048209,22050636,642	17001
1977-66	All	Century	22016902,22017158,22040897,22048206,209, 22050635,22097058	17001
1976-66	All	Regal	22017158,22034702,22040897,22048206,209, 579,22050635,636,642,22097058	17001
8 cyl.				
1981	4.3L (S) 265"	Century, Regal	22040897,22050639,22097058	17001
1992-91	5.0L (E) 305"	Roadmaster	22040897	17001
1990-81	5.0L (Y) 307"	Estate Wagon	22040903,22050636,642	17001
1987-86	5.0L (Y) 307"	Regal	22040903,22050636,642	17001
1986-81	5.0L (Y) 307"	LeSabre	22040903,22050636,642	17001
1985-80	5.0L (Y) 307"	Riviera	22040903,22050636,642	17001
1981	5.0L (Y) 307"	Electra	22050636,642	17001
1980-78	5.0L (G,H) 305"	Century, Regal	22016902,22017418,22034702,22035625, 22040903,22050636,4993435	17001
1996-94	5.7L (P) 350"	Roadmaster	22048212	17001
1995-94	5.7L (8) 350"	Roadmaster	22048212	17001
1993-92	5.7L (7) 350"	Roadmaster	22040897	17001
1980-79	5.7L (L,R,X) 350"	Riviera	22016902,22017418,22034702,22035625, 22040903,22050636,4993435	17001
1979	5.7L (L,R,X) 350"	Electra, Estate Wagon (R Engine), LeSabre	22016902,22017418,22034702,22035625, 22040903,22050636	17001
1979-78	5.7L (L,R,X) 350"	Century	22016902,22017418,22034702,22035625, 22040903,22050636	17001
1979	6.6L (K) 403"	Electra, Estate Wagon	22034702,22050636	17001

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
BUICK 8 cyl (Contd)				
1986-66	All	Riviera	22016902,22017418,22034702,22035625, 22040903,22048206,22050636,642	17001
1986-66	All	LeSabre	22016736,902,22017418,22034702,22035625, 22040903,22050636	17001
1986-66	All	Regal	22016902,22017418,22034702,22035625, 22040897,903,22050636,639,642,22097058	17001
1985-66	All	Electra, Estate Wagon	22016902,22017418,22034702,22035625, 22040903,22050636,642	17001
1981-66	All	Century	22016902,22017418,22034703,22035625, 22040897,903,22048206,22050635,636,639, 22097058	17001
1979-66	All	Skylark	22017418,22034702,703,22048206,22050629, 636,4974196	17001

CADILLAC

4 cyl.

1983	1.8L (O) 111"	Cimarron	22040897	17001
1982	1.8L (G) 111"	Cimarron	22040897	17001

8 cyl.

1988-87	4.1L (7) 252"	Allante	22040899,22050642	17001
1982-81	4.1L (4,8) 252"	DeVille, Eldorado, Fleetwood, Seville	22016905,22034703,707,22040897,22048206, 579,22097058	17001
1980	4.1L (4) 252"	DeVille, Brougham (Exc.Cal.)	22017158,22050635	17004
1980	4.1L (4) 252"	Brougham (Cal.)	22048206,22050635	17001
1990	4.5L (3) 275"	All	22040899,22050642	17001
1989-88	4.5L (5) 275"	All	22040899,22050642	17001
1992-91	5.0L (E) 305"	Brougham	22040897	17001
1992-91	5.0L (E) 305"	Brougham	22050642	17001
1990-88	5.0L (9) 305"	Brougham	22050642	17001
1990-84	5.0L (Y) 307"	Brougham	22040903,22048206,22050636,642	17001
1996-91	5.7L (7,P) 350"	Brougham, Fleetwood	22040897	17001
1990-84	5.7L (Y,9) 350"	Brougham, Fleetwood	22050642	17001
1979-77	7.0L 425"	All	22097053	17001
1989-76	All	Brougham, DeVille, Eldorado, Seville	22016905,22017158,22034703,707,22040897, 899,903,22048206,209,579,22041201, 22050629,633,635,636,638,642,22097058	17001

CHEVROLET

4 cyl.

1977	1.4L (I) 85"	Chevette	22034703,22040897,22041201	17001
1987-77	1.6L (C,E,J,O,9) 98"	Chevette	22034703,22040897,22041201,203,22048209, 22050642	17001
1982	1.8L (G) 111"	Cavalier	22034703,22040897,22041201,203,22048209, 22050642	17001
1983-82	2.0L (B) 121"	Cavalier	22050642	17001
1986-82	2.5L (2) 151"	Camaro	22034703,22040897,22041201,203,22048209	17001
1981	2.5L (5) 151"	Citation	22034703,22040897,22041201,203,22048209, 22050639,22097058	17001
1988-82	All	Cavalier	22034703,22040897,22041201,203,22048209, 22050636,642	17001

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
CHEVROLET (Contd)				
6 cyl.				
1992-82	2.8L (S) 173"	Camaro	22040897	17001
1988-81	2.8L (W,X,Z,1) 173"	Celebrity, Citation	22040897,22048209,22050636,642	17001
1993-90	3.1L (T) 189"	Lumina	22040897	17001
1979	3.3L (M) 200"	Malibu, Monte Carlo		17001
1996	3.4L (X) 207"	Lumina, Monte Carlo	22097057	17001
1996	3.4L (X) 207"	Lumina, Monte Carlo	22097057	17001
1995-93	3.4L (S) 207"	Camaro	22048212	17001
1992-91	3.4L (X) 207"	Lumina (w/MT)	22097057	17001
1984-81	3.8L (A) 231"	Caprice, Impala, Monte Carlo	22040897,22048206,579,22050642,22097058	17001
1984-80	3.8L (K,9) 229"	Impala, Malibu, Monte Carlo	22016902,22034703,22040897,22048221	17001
1981	3.8L (A) 231"	Impala	22048206,22097058	17001
1981-80	3.8L (K) 229"	Camaro	22016902,22034703,22048221	17001
1980	3.8L (A) 231"	Camaro, Caprice, Impala	22016736,22017158,22034706,22050635	17004
1980-79	3.8L (A,3) 231"	Malibu, Monte Carlo	22016736,22017158,22034706,22050635	17004
1996-94	4.3L (W) 262"	Caprice	22048212	17001
1993-92	4.3L (Z) 262"	Caprice (TBI)	22099019	17001
1992-89	4.3L (Z) 262"	Caprice	22040897	17001
1990-88	4.3L (Z) 262"	Caprice	22050642	17001
1988-85	4.3L (Z) 262"	All	22040897,22050642	17001
1989-82	All	Celebrity	22040897,22048209,22050642	17001
1989-81	All	Caprice	22040897,22048206,221,224,579,22050642,22097058	17001
1988-81	All	Monte Carlo	22040897,22048206,221,224,579,22097058	17001
1985-80	All	Citation	22040897,22048209,268,269,22050636,220509642,	17001
1979-66	All	Camaro	22048214,4974265,5354987	17001
1979-66	All	Caprice	22048214,4974265,5354987	17001
1978-70	All	Monte Carlo	22048214,4974265,5354987	17001
1978-66	All	Malibu	22048214,4974265,5354987	17001
8 cyl.				
1996-94	4.3L (W) 265"	Caprice	22048212	17001
1982-81	4.4L (J) 267"	Caprice, Camaro, Impala, Malibu, Monte Carlo	22040897,22048221	17001
1993-89	5.0L (E) 305"	Caprice	22040897	17001
1992-80	5.0L (F,G,H,S) 305"	Camaro, Caprice	22040897,22048221,224,22050642	17001
1990-86	5.0L (Y) 307"	Caprice (Exc.Exp)	22040903,22050636,642	17001
1988-78	5.0L (F,G,H,S,7) 305"	Monte Carlo	22040897,22048221,224,22050636,642	17001
1985-80	5.0L (F,G,H,S,7) 305"	Impala	22040897,22048221,224,22050642	17001
1984-78	5.0L (F,G,H,S,U,7) 305"	Malibu	22040897,22048221,224,22050636,642	17001
1997	5.7L (G) 350"	Corvette	22048212	17001
1997-96	5.7L (P) 350"	Camaro	22048212	17001
1997-93	5.7L (P) 350"	Camaro	22048212	17001
1996	5.7L (5) 350"	Corvette	22048212	17001
1996-94	5.7L (P) 350"	Caprice	22048212	17001
1995-94	5.7L (8) 350"	Camaro	22048212	17001
1995-93	5.7L (8) 350"	Camaro	22048212	17001
1995-90	5.7L (J) 350"	Corvette	22048212	17001
1993-91	5.7L (7) 350"	Caprice	22040897	17001
1991-88	5.7L (8) 350"	Corvette	22040897	17001
1991-86	5.7L (P) 350"	Corvette	22054689,22062561	17028
1990-87	5.7L (8) 350"	Corvette	22048212	17001
1990-84	5.7L (8) 350"	Corvette	22050642	17001
1981-79	5.7L (L,6) 350"	Camaro, Caprice, Impala, Malibu, Monte Carlo	22016902,22034703,22048221,22050636	17001

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
CHEVROLET 8 cyl (Contd)				
1976	7.4L (S) 454"	Caprice, Impala	22050636	17001
1997-66	All	Corvette	22050642,897,22048212,213,221,224, 4974265,5354987	17001
1989-66	All	Camaro	22034702,22040897,22048221,224,22050636, 642	17001
1989-66	All	Caprice	22040897,903,22048221,224,22050636,642, 4974265,5354987	17001
1988-70	All	Monte Carlo	22034702,22040897,22048221,224,22050636, 642	17001
1985-81	All	Impala	22040897,22048221,224,22050642	17001
1985-66	All	Impala	22016902,22034702,22040897,22048214,221, 224,22050636,642,4974265,5354987	17001
1984-66	All	Malibu	22034702,22040897,22048221,224,22050636, 642,4974265,5354987	17001
1979-66	All	Impala	22016902,22034702,22048214,22050636, 4974265,5354987	17001

CHEVROLET TRUCK

4 cyl.

1982-71	1.8L (N) 111"	Luv	94021258,94204935	17008
1990-82	2.0L (Y) 121"	ST Series	22050642	17001

6 cyl.

1993-86	2.8L (R) 173"	S,T Series	22050642	17001
1985-82	2.8L (B) 173"	S,T Series	22050642	17001
1984-81	3.8L (A) 231"	El Camino (Incl.w/A.I.R.)	22097058	17001
1984-80	3.8L (K) 229"	El Camino	22090642	17001
1980-79	3.8L (A) 231"	El Camino	22016736	17004
1983-81	4.1L (D) 250"	G1,2 (Exc.Cal, Hi-Alt)	22097057	17001
1980-79	4.1L (D) 250"	C, G, S Series	22097057	17001
1994-87	4.3L (Z) 262"	CK1,2, G1,2,3	22050642	17001
1988-85	4.3L (Z) 262"	El Camino	22040897,22050642	17001
1986-85	4.3L (N) 262"	CK1,2	22050642	17001
1986-85	4.3L (N) 262"	G1,2,3 (Exc.Cal)	22050642	17001

8 cyl.

1983-82	4.1L (D) 250"	CK1,2,3	22048212	17001
1982-80	4.4L (J) 267"	El Camino	22040897	17001
1985-81	4.8L (T) 292"	P2,3	22048212	17001
1985-80	4.8L (T) 292"	CK1,2,3	22048212	17001
1990-88	5.0L (H) 305"	CK1,2,3	22050642	17001
1989-87	5.0L (H) 305"	G1,2,3	22050642	17001
1988-86	5.0L (G) 305"	El Camino	22050642	17001
1987-80	5.0L (H) 305"	El Camino	22040897	17001
1986-85	5.0L (H) 305"	CK1,2	22050642	17001
1986-85	5.0L (H) 305"	El Camino	22050642	17001
1986-82	5.0L (F) 305"	CK1,2,3, G1,2,3 (Incl.Cal)	22048212	17001
1984	5.0L (H) 305"	El Camino	22050642	17001
1994-87	5.7L (K) 350"	CK1,2, G1,2,3, RV1,2,3	22050642	17001
1987-80	5.7L (M) 350"	CK1,2,3 G11,2,3, P1,2,3 (Incl.Cal,HD)	22048212	17001
1986-82	5.7L (L) 350"	CK1,2, G1,2,3 (Incl.Cal)	22048212	17001
1981-80	5.7L (L) 350"	El Camino	22048212	17001
1981-78	6.6L (X) 400"	CK1,2,3	22048212	17001
1997-96	7.4L (J) 454"	CK2,309	22040897	17001
1997-96	7.4L (J) 454"	G3 (w/k19 AIR)	22040897	17001

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
CHEVROLET TRUCK 8 cyl (Contd)				
1994-90	7.4L (N) 454"	C1	22050642	17001
1989-88	7.4L (N) 454"	G1,2,3	22050642	17001
1989-87	7.4L (N) 454"	RV1,2,3	22050642	17001
1987-86	7.4L (W) 454"	P2,3 (w/Cal)	22048212	17001
1986	7.4L (W) 454"	CK2,3 (w/Cal)	22048212	17001
1985	7.4L (W) 454"	CK2,3 (HD)	22048212	17001
1985-84	7.4L (W) 484"	P3 (Incl.HD)	22048212	17001
1984-80	7.4L (W) 454"	CK1,2,3	22048212	17001
1983-81	7.4L (X) 454"	P2,3	22048212	17001
1980	7.4L (W) 454"	G1,2	22048212	17001
1979-75	7.4L 454"	All	22048212	17001
1978-73	All	All	22034702,22035501,22040802,22041201,205, 22048209,210,213,214,22049547,22050636, 4974265	17001

CHRYSLER

4 cyl.

1981	1.7L (A) 105"	All	4041966	17001
1990-81	2.2L (A,C,D,E,F) 135"	All	4041966,4300376,53030467	17001
1985-84	2.2L (C,D,E,F) 135"	All	4275816	17018
1985-84	2.2L (C,D,E,F) 153"	LeBaron	4275812	17017
1985-81	2.2L (B,C,D,E,F) 135"	All	4227863,4241556,4307802	17014
1995-85	2.5L (J,K,L) 153"	All	4300376	17001
1985-83	2.6L (G) 156"	E Class, LeBaron, New Yorker	4041966	17001

6 cyl.

1993-90	3.0L (R,3) 181"	All	4300376	17001
1983-77	3.7L (E,H,J) 225"	All	3671038,4041966	17001
1983-72	3.7L (C,D,E,F,G,H,J) 225"	All	3671038,4041966,4300376	17001

8 cyl.

1989-81	5.2L (M,N,P,R,S,4) 318"	All	4041966,4300376	17001
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DODGE

4 cyl.

1984-83	1.6L (A) 98"	Charger	4041966	17001
1981-78	1.7L (A) 105"	Omni (w/o Air Pump)	4041966	17001
1980-78	1.7L (A) 105"	Omni (w/Air Pump)	5214063	17015
1993-81	2.2L (A,C,D,E,F,O,8) 135"	All	4041966,4300376	17001
1987-81	2.2L (D,E) 135"	All (Exc.Omni,EFI,One piece check valve & tube)	4300393	17019
1986	2.2L (D,E) 135"	All (w/EFI,Exc.Omni,Incl.17001 check valve)	4300377	17020
1985-84	2.2L (C,D,E,F,8) 135"	All (Exc.Omni)	4275816	17018
1985-83	2.2L (C) 135"	All (Exc.Omni)	4275812	17017
1985-81	2.2L (C,D,E,F,8) 135"	All	4227863,4241556,4307802	17014
1984-83	2.2L (C) 135"	Omni (After 1/3/83)	4241556	17014
1982-81	2.2L (B) 135"	All (Exc.Omni)	4227874	17016
1995-85	2.5L (J,K,L) 153"	All	4041966,4300376	17001
1986	2.5L (K,L) 135"	All (w/EFI,Exc.Omni,Incl.17001 check valve)	4300377	17020
1992-78	All	All (Check valve only)	4041966,4300376	17001

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
DODGE (Contd)				
6 cyl.				
1993-90	3.0L (3) 181"	All	4300376	17001
1993-90	3.0L (R,3) 181"	All	4300376	17001
1993-90	3.0L (3) 181"	All	4300376	17001
1987-81	3.7L (E,F,H,J) 225"	All	4041966,4300376	17001
1983-77	3.7L (C,D,E,F,G,H,J) 225"	All	3671038,4041966,4300376	17001
1983-72	3.7L (C,D,H) 225"	All	4041966,4300376	17001
8 cyl.				
1989-72	5.2L (F,G,L,M,N,P,4) 318"	All	3671038,039,4300376,4041966	17001

DODGE TRUCK

4 cyl.				
1987-85	2.2L (C,8) 135"	Caravan, Omni, Ram Mini Van, Royal (Exc.FI)	4287346	17030
1987-85	2.2L (C,8) 135"	Caravan, Ram Mini Van, Royal (Exc.FI)	4300357	17033
1985-84	2.2L (C) 135"	Caravan, Mini Van, Voyager	4275816	17018
1985-82	2.2L (C,D,E,F,8) 135"	Caravan, Ram Mini Van, Royal	4275383	17031
1984-83	2.2L (C) 134"	Rampage (To Convert.)	4300393	17019
1984-83	2.2L (C) 134"	Rampage (Value to Manifold)	4307802	17014
1984-82	2.2L (C) 134"	Rampage (To Convert.)	4041966, 4300376	17001
1982	2.2L (B) 134"	Rampage (To Convert.)	4041966, 4300376	17001
1982	2.2L (B) 134"	Rampage (To Convert.)	4300393	17019
1994	2.5L (K) 153"	Caravan, Voyager	4300376	17001
1989	2.5L (J,K) 153"	Dakota	4300376	17001
6 cyl.				
1993-92	3.0L (3) 181"	Grand Caravan, Grand Voyager	3671038,4041966	17001
1993-92	3.0L (3) 181"	Grand Caravan, Grand Voyager	4300376	17001
1993-90	3.0L (3) 181"	Caravan, Grand Caravan, Grand Voyager, Voyager	4300376	17001
1993-90	3.0L (3) 181"	Caravan, Voyager	3671038,4041966	17001
1993-90	3.0L (3) 181"	Caravan, Voyager	4300376	17001
1991-90	3.0L (3) 181"	Town & Country	4300376	17001
1991-90	3.0L (3) 181"	Town & Country	4300376	17001
1987-72	3.7L (H,M,N) 225"	All	3671038,4041966,4300376	17001
1987-72	3.7L (B,E,H,M,N,W) 225"	All	4300376	17001
1993-90	3.9L (X) 239"	All	4227670	17016
8 cyl.				
1987	5.2L (E,P,R,T,U) 318"	Pickup, Van	4300376	17001
1987-72	5.2L(E,S,T,U,R,P) 318"	B, D Series	3671038,4041966,4300376	17001
1991-72	5.9L (F,K,SS,T,U,V,W, Z5) 360"	B, D Series	3671038,4041966,4300376	17001
1991-72	5.9L (F,J,S,T,U,V,W,Z) 360"	Pickup, Van	4300376	17001
1978-72	6.6L (J) 400"	Pickup, Van	4300376	17001
1977-72	6.6L (J) 400"	B, D Series	3671038,4041966,4300376	17001

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
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FIAT

4 cyl.

1984-74	1.5L (38A,B) 91"	All	4290442,5354987	17001
1984-79	2.0L (32C,B) 122"	Brava, Mirafiori 124 Spider, X19	4290442,5354987	17001

FORD

4 cyl.

1985-84	1.6L (2,4) 98"	Escort (w/o EFI)	E3FZ-9A487G	17011
1983	1.6L (2,4,5,8) 98"	Escort, EXP		17022
1982-81	1.6L (2) 98"	Escort, EXP (w/AT)	E1FZ-9A487E	17013
1982-81	1.6L (2) 98"	Escort, EXP (w/MT)	E1FZ-9A487F	17011
1982-81	1.6L (2,4) 98"	Escort (Exc.HO)	E1FZ-9A487D	17035
1980-78	1.6L (L,4) 98"	Fiesta	D4VY-9A487A	17000
1994-86	1.9L (J,9) 116"	Escort	E3EE-9A487BA	17022
1974	2.0L (X) 122"	Pinto	C6AZ-9A487A,D4VY-A	17000
1994-84	2.3L (R) 140"	Tempo	E43E-9A487AF	17029
1986-79	2.3L (A,R,S,Y) 140"	Fairmont, Granada, LTD, Mustang, Pinto	D9AZ-9A487C	17027
1985-83	2.3L (A,R,S) 140"	EXP	E3FZ-9A487B	17022
1985-82	2.3L (X) 140"	Tempo		17022
1984	2.3L (A,R) 140"	LTD II		17022
1984-83	2.3L (A,R) 140"	Mustang		17022
1984-83	2.3L (A,R) 140"	Mustang	E27E-9A487C,E3EE-BA	17021
1983	2.3L (A,R) 140"	LTD, Mustang		17010
1983-78	2.3L (A,R,Y) 140"	Fairmont	D8FZ-9A487A	17010
1982-81	2.3L (A) 140"	Granada	D8FZ-9A487A	17010
1980-78	2.3L (A,Y) 140"	Mustang, Pinto		17000
1980-77	2.3L (A,Y) 140"	Pinto		17010
1978-75	2.3L (Y) 140"	Mustang, Pinto	D7FZ-9A487A	17012
1974	2.3L (Y) 140"	Mustang, Pinto	D4FZ-9A487A	17001

6 cyl.

1970-66	2.8L (U) 170"	Falcon	C6AZ-9A487A,D4VY-A	17000
1983-80	3.3L (B,X) 200"	Fairmont, Granada, LTD, Mustang, Thunderbird	D4VY-9A487A	17000
1983-80	3.3L (B,X) 200"	Fairmont, Granada, LTD, Mustang, Thunderbird	D9AZ-9A487C	17027
1979-76	3.3L (T) 200"	Fairmont, Granada		17009
1977-76	3.3L (T) 200"	Maverick		17009
1975-74	3.3L (T) 200"	Granada, Maverick (Cal)	D4VY-9A487A	17000
1969-66	3.3L (T) 200"	Mustang	C6AZ-9A487A,D4VY-A	17000
1989-84	3.8L (C,R,3,4) 232"	LTD, Mustang	D4AZ-9A487A	17003
1989-84	3.8L (C,R,3,4) 232"	Thunderbird	D4AZ-9A487A	17000
1989-84	3.8L (3) 232"	LTD, Mustang, Thunderbird	D4AE-9A487B,D4AZ-A,E0BZ-B	17003
1988-82	3.8L (3,4) 232"	Granada, Mustang, Thunderbird	E2AZ-9A487B	17024
1986-82	3.8L (C,3) 232"	Granada, LTD, Mustang, Thunderbird	D9AZ-9A487C	17027
1980	4.1L (C) 250"	Granada	D4AZ-9A487A	17000
1979-76	4.1L (L) 250"	Granada, Maverick		17009
1975	4.1L (L) 250"	Granada, Maverick (Cal)	D4VY-9A487A	17000

8 cyl.

1982-81	4.2L (D) 255"	Country Squire, Fairmont, Granada, LTD, Mustang, Thunderbird	D9AZ-9A487C	17027
1982-80	4.2L (D) 255"	Country Squire, Fairmont, Granada, LTD, Mustang, Thunderbird	D4VY-9A487A	17000
1995-89	5.0L (E,T) 302"	Mustang (Upstream)	E9VE-9A487AA	17000

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
FORD 8 cyl (Contd)				
1995-88	5.0L (E,F,T) 302"	Mustang (Downstream)	E8DE-9A487AA	17021
1994-93	5.0L (E,T) 302"	Mustang (Downstream)	E8DE-9A487AA	17021
1993	5.0L (D) 302"	Mustang Cobra (Downstream)	E8DE-9A487AA	17021
1993-91	5.0L (D,E,F,T) 302"	Mustang, Mustang Cobra, Thunderbird	D4VY-9A487A	17000
1992-91	5.0L (E,F,T) 302"	Thunderbird	D4VY-9A487A	17000
1991-90	5.0L (E,F,T) 302"	Country Squire, Crown Victoria	E8DE-9A487AA	17021
1990-86	5.0L (E,F) 302"	Country Squire	D4VY-9A487A	17000
1990-82	5.0L (E,F,M) 302"	Crown Victoria, Mustang	C6AZ-9A487A,D4VY-A	17000
1989-81	5.0L (E,F,M) 302"	Country Squire, Crown Victoria, Fairmont, Granada, LTD, Mustang, Thunderbird	E8DE-9A487AA	17021
1988-82	5.0L (E,F,M) 302"	Thunderbird	C6AZ-9A487A,D4VY-A	17000
1985-80	5.0L (E,F) 302"	Country Squire, LTD, Thunderbird	D4VY-9A487A	17000
1985-80	5.0L (E,F) 302"	Country Squire, Crown Victoria, Granada, LTD, Mustang, Thunderbird	D9AZ-9A487C	17027
1980-75	5.0L (F) 302"	Granada	D4VY-9A487A	17000
1979-77	5.0L (F) 302"	LTD II	D4VY-9A487A	17000
1979-68	5.0L (D,F,G) 302"	LTD	D4VY-9A487A	17000
1974	5.0L (F) 302"	Custom 500	D4DZ-9A487A,D4VY-A	17000
1991-79	5.8L (G,Q) 351"	Country Squire, Crown Victoria, LTD	D9AZ-9A487C	17027
1990-86	5.8L (G) 351"	Country Squire, Crown Victoria (Police)	D4VY-9A487A	17000
1986-79	5.8L (G,Q) 351"	Crown Victoria, Country Squire, LTD	D4VY-9A487A	17000
1979	5.8L (Q) 351"	Custom 500	D4VY-9A487A	17000
1979-77	5.8L (Q) 351"	LTD, LTD II, Thunderbird	D7AZ-9A487A	17002
1977	5.8L (Q) 351"	Granada	D4VY-9A487A	17000
1976-75	5.8L (H) 351"	Elite, Granada		17003
1976-74	5.8L (H) 351"	Country Squire, Custom 500, LTD, Torino		17003
1974	5.8L (Q) 351"	Galaxie 500, Rancho	D4AZ-9A487A	17003
1978-77	6.6L (S) 400"	LTD, Thunderbird	D7AZ-9A487A	17002
1978-77	6.6L (S) 400"	LTD II	D7AZ-9A487A	17002
1976-75	6.6L (S) 400"	Elite	D4AZ-9A487A	17003
1976-74	6.6L (S) 400"	Country Squire, Custom 500, LTD, Torino		17003
1974	6.6L (S) 400"	Galaxie 500, Rancho	D4AZ-9A487A	17003
1978-75	7.5L (A,C) 460"	Country Squire		17003
1978-75	7.5L (A,C) 460"	Custom 500, LTD	D4VY-9A487A	17000
1976-75	7.5L (A,C) 460"	Thunderbird	D4VY-9A487A	17000
1976-75	7.5L (A,C) 460"	Torino		17002
1979-78	All	Fairmont	D4VY-9A487A	17000
1979-66	All	Mustang	C6AZ-9A487A,D4VY-A	17000
1977-70	All	Maverick	D4DZ-9A487A	17000
1973-68	All	Torino		17002
1973-66	All	Custom 500	C6AZ-9A487A,D4VY-A	17000
1973-66	All	LTD	C6AZ-9A487A,D4VY-A	17000
1973-65	All	Galaxie 500	C6AZ-9A487A,D4VY-A	17000
1971-66	All	Fairlane	C6AZ-9A487A,D4VY-A	17000
1970-66	All	Falcon	C6AZ-9A487A,D4VY-A	17000

FORD TRUCK

4 cyl.

1988-83	2.0L (C) 122"	Ranger	D8FZ-9A487A	17010
1989-83	2.3L (A) 140"	Aerostar, Courier, Ranger	D8FZ-9A487A	17010
1982-81	2.3L (A) 140"	Ranger	D27Z-9A487A,B	17006

6 cyl.

1985-83	2.8L (S) 171"	Bronco II	E3TZ-9B449A,B	17032
1996-93	4.9L (Y) 300"	E, F Series	E8DE-9A487AA	17021

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
FORD TRUCK 6 cyl (Contd)				
1996-83	4.9L (Y) 300"	Bronco, E, F Series	D5AZ-9B289C,E7TZ-B	17026
1992-90	4.9L (Y) 300"	Econoline	D27Z-9A487A,B	17006
1992-82	4.9L (Y,9) 300"	E, F Series	D4AE-9A487B,D4AZ-A,E0BZ-B	17003
1986-81	4.9L (Y) 300"	Bronco, Econoline, F Series	D4AZ-9A487A	17003
1986-79	4.9L (Y) 300"	F350	D4AZ-9A487A	17003
1981-80	4.9L (E,Y) 300"	Bronco	D7AZ-9A487A	17002
1981-80	4.9L (E,Y) 300"	Econoline, F Series		17000
1980	4.9L (E) 300"	Econoline E250 (Exc.Cal), E100		17000
1979	4.9L (B) 300"	Econoline E250, F150, F250 (Exp)	D4AZ-9A487A	17003
1979-77	4.9L (B,C) 300"	Econoline, E Series	D4AZ-9A487A	17003
1979-77	4.9L (B) 300"	E, F Series	D4AE-9A487B,D4AZ-A,E0BZ-B	17003
1976-74	4.9L (B) 300"	Econoline, E Series		17000
1974-66	All	Econoline	C6AZ-9A487A,D4VY-A	17000
1972-66	All	Bronco	C6AZ-9A487A,D4VY-A	17000
1972-66	All	F Series	C6AZ-9A487A,D4VY-A	17000
8 cyl.				
1995-88	5.0L (N) 302"	E250, E350, F250	E7TZ-9A487E, E8TE-AA	17023
1995-77	5.0L (F,G,N) 302"	F Series	D4VY-9A487A,D5TZ-A	17000
1994-93	5.0L (N) 302"	Bronco, E150, F150,250	E8DE-9A487AA	17021
1992-88	5.0L (N) 302"	Econoline E250, 350, F350		17003
1992-85	5.0L (F,N) 302"	Bronco, Econoline (FI)	D4VY-9A487A	17000
1985-77	5.0L (F) 302"	Bronco (Exc.FI), E Series	D4VY-9A487A	17000
1983	5.0L (F) 302"	E100, E150, 250, F100, 150, 250	E3TZ-9A487B	17025
1979-77	5.0L (G) 302"	Bronco	D4VY-9A487A	17000
1995	5.8L (H) 351"	E, F250, 350 (GVW over 8500 LBS)	E8DE-9A487AA	17021
1995	5.8L (H) 351"	F150 (w/Lightning Pkg)	E8DE-9A487AA	17021
1994-88	5.8L (H) 351"	F Series	D4AE-9A487AA	17003
1992-88	5.8L (H) 351"	F250	E7TZ-9A487E	17023
1990-88	5.8L (H) 351"	Bronco	D4VY-9A487A	17000
1990-83	5.8L (G,H) 351"	E150, E250, F150, F250	D4VY-9A487A	17000
1987-83	5.8L (G,H) 351"	Bronco, E100, E350, F350 (From 12/84)	D4VY-9A487A	17000
1982-80	5.8L (G) 351"	Bronco, E100, E150, E250, E350, F150, F250	D7AZ-9A487A	17002
1980-77	5.8L (G,M) 351"	Bronco	D7AZ-9A487A	17002
1980-77	5.8L (G,M) 351"	F Series	D7AZ-9A487A	17002
1980-77	5.8L (G,M) 351"	Econoline		17000
1982-77	6.6L (Z) 400"	Bronco, F Series	D7AZ-9A487A	17002
1982-77	6.6L (Z) 400"	Econoline		17000
1995-93	7.5L (G) 460"	E350, F250, 350	E8DE-9A487AA	17021
1994-88	7.5L (G) 460"	E250, E350, F Super Duty, F250	E7TZ-9A487E	17023
1992-88	7.5L (G) 460"	Econoline E250, E350, F350		17003
1985-83	7.5L (L) 460"	F250, F350 (Before 12/84)	D4VY-9A487A	17000
1985-79	7.5L (A,L) 460"	Econoline E250, E350	D4VY-9A487A	17000
1978	7.5L (A) 460"	Econoline E250 (Cal)	D4VY-9A487A	17000
1976-66	All	Bronco	D4DZ-9A487A,C6AZ-A,C8AZ-A	17000
1976-66	All	F Series	D4DZ-9A487A,C6AZ-A,C8AZ-A	17000
1976-66	All	Econoline	D4DZ-9A487A,C6AZ-A,C8AZ-A	17000

GMC TRUCK

4 cyl.

1990-82	2.0L (Y) 121"	S, T Series	22050642	17001
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6 cyl.

1993-86	2.8L (R) 173"	S, T Series	22050642	17001
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AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
GMC TRUCK 6 cyl (Contd)				
1985-82	2.8L (B) 173"	S, T Series	22050642	17001
1984-81	3.8L (A) 231"	Cabellero (Incl.w/A.I.R.)	22097058	17001
1984-80	3.8L (K) 229"	Cabellero	22090642	17001
1980-79	3.8L (A) 231"	Cabellero	22016736	17004
1983-81	4.1L (D) 250"	G1,2 (Exc.Cal, Hi-Alt)	22097057	17001
1980-79	4.1L (D) 250"	All	22097057	17001
1994-87	4.3L (Z) 262"	CK1,2, G1,2,3	22050642	17001
1988-85	4.3L (Z) 262"	Cabellero	22040897,22050642	17001
1986-85	4.3L (N) 262"	CK1,2	22050642	17001
1986-85	4.3L (N) 262"	G1,2,3 (Exc.Cal)	22050642	17001
8 cyl.				
1983-82	4.1L (D) 250"	CK1,2,3	22048212	17001
1982-80	4.4L (J) 267"	Cabellero	22040897	17001
1985-81	4.8L (T) 292"	P2,3	22048212	17001
1985-80	4.8L (T) 292"	CK1,2,3	22048212	17001
1990-88	5.0L (H) 305"	CK1,2,3	22050642	17001
1989-87	5.0L (H) 305"	G1,2,3	22050642	17001
1988-86	5.0L (G) 305"	Cabellero	22050642	17001
1987-80	5.0L (H) 305"	Cabellero	22040897	17001
1986-85	5.0L (H) 305"	CK1,2	22050642	17001
1986-85	5.0L (H) 305"	Cabellero	22050642	17001
1986-82	5.0L (F) 305"	CK1,2,3, G1,2,3 (Incl.Cal)	22048212	17001
1984	5.0L (H) 305"	Cabellero	22050642	17001
1994-87	5.7L (K) 350"	CK1,2,3, R1,2,3	22050642	17001
1987-80	5.7L (M) 350"	CK1,2,3, G1,2,3, P1,2,3 (Incl.Cal, HD)	22048212	17001
1986-82	5.7L (L) 350"	CK1,2,3 (Incl.Cal)	22048212	17001
1981-80	5.7L (L) 350"	Cabellero	22048212	17001
1981-80	6.6L (X) 400"	CK1,2,3	22048212	17001
1997-96	7.4L (J) 454"	CK2,309	22040897	17001
1997-96	7.4L (J) 454"	G3 (w/k19 AIR)	22040897	17001
1993-90	7.4L (N) 454"	C1	22050642	17001
1989-88	7.4L (N) 454"	G1,2,3	22050642	17001
1989-87	7.4L (N) 454"	RV1,2,3	22050642	17001
1987-86	7.4L (W) 454"	P2,3 (w/Cal)	22048212	17001
1986	7.4L (W) 454"	CK2,3 (w/Cal)	22048212	17001
1985	7.4L (W) 454"	CK2,3 (HD)	22048212	17001
1985-84	7.4L (W) 454"	P3 (Incl.HD)	22048212	17001
1984-80	7.4L (W) 454"	CK1,2,3	22048212	17001
1983-81	7.4L (W) 454"	P2,3	22048212	17001
1980	7.4L (W) 454"	G1,2	22048212	17001
1978-73	All	All	22034702,22035501,22040802,22041201,205, 22048209,210,213,214,22049547,22050636, 4974265	17001

HYUNDAI

4 cyl.

1989-86	1.5L (J) 90"	Excel	28820-21350	17036
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AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
ISUZU				
4 cyl.				
1984-81	1.8L (B) 111"	I-Mark	8-94204-935-0,9-19255-603-0	17008
1984	1.9L (A) 119"	Impulse	8-94204-935-0,9-19255-603-0	17008
1989-83	2.0L (A) 121"	I-Mark	8-94204-935-0,9-19255-603-0	17008
6 cyl.				
1994-88	All	All	8-22050-642-0	17001

ISUZU TRUCK

4 cyl.				
1984-81	1.8L (B) 111"	Pickup, Trooper II	8-94204-935-0,9-19255-603-0	17008
1989-83	2.0L (A) 121"	Pickup, Trooper II	8-94204-935-0,9-19255-603-0	17008
1994-88	2.3L (L) 137"	Pickup	8-94204-935-0,9-19255-603-0	17008
1986	2.3L (L) 140"	Trooper	8-94204-935-0,9-19255-603-0	17008
1994-91	2.6L (E) 156"	Rodeo	8-94204-935-0,9-19255-603-0	17008
1994-88	2.6L (E) 156"	Pickup	8-94204-935-0,9-19255-603-0	17008

JAGUAR

6 cyl.				
1988	3.6L (5,6) 220"	XJ6		17001
1987-86	4.2L (3) 258"	XJ6		17001
1985-72	4.2L (3) 258"	XJ6	C34017,5354987	17001
12 cyl.				
1987-86	5.3L (8) 326"	XJS		17001

JEEP

4 cyl.				
1981-80	2.5L (B) 151"	All	3239802	17001
6 cyl.				
1986-84	2.8L (W) 273"	All	3233960	17001
1988-87	4.0L (C,M) 242"	All	3233960	17001
1990-80	4.2L (C,M,T) 258"	All	3233960,8933001549,8953000944	17001
8 cyl.				
1993-79	5.9L (N,P,7) 360"	Grand Wagoneer, Pickup	3233960	17001
1981-79	5.0L (H) 304"	All	3233960,8933001549,8953000944	17001

LINCOLN

6 cyl.				
1989-88	3.8L (4) 232"	Continental	E3TZ-9A487A,E8DZ-A	17021
1985	3.8L (3) 232"	Continental, Mark VII	D9AZ-9A487C	17027
1982	3.8L (3) 232"	Continental	D9AZ-9A487C	17027

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
LINCOLN (Contd)				
8 cyl.				
1992-90	5.0L (E,F) 302"	Mark Series	E8DE-9A487AA	17021
1992-84	5.0L (E,F) 302"	Mark VII	D4VY-9A487A	17000
1992-82	5.0L (E,F) 302"	Town Car		17000
1990	5.0L (E,F) 302"	Town Car	E8DE-9A487AA	17021
1989-81	5.0L (E,F,M) 302"	All	E8DE-9A487AA	17021
1988-77	5.0L (E,F) 302"	Continental	D4VY-9A487A	17000
1985-80	5.0L (F) 302"	Continental, Mark VI, Mark VII, Town Car, Versailles	D9AZ-9A487C	17027
1983-80	5.0L (F) 302"	Mark VI		17000
1982-77	5.0L (F) 302"	Versailles	D4VY-9A487A	17000
1979-77	5.0L (F) 302"	Mark V	D4VY-9A487A	17000
1981-77	5.8L (G,H) 351"	Continental	D4VY-9A487A	17000
1980-81	5.8L (G) 351"	Mark VI	D4VY-9A487A	17000
1980	5.8L (G) 351"	Continental, Mark VI	D9AZ-9A487C	17027
1979-77	5.8L (G,H) 351"	Mark V	D4VY-9A487A	17000
1979-77	6.6L (S) 400"	Continental, Mark V, Versailles	D7AZ-9A487A	17002
1979-77	7.5L (A) 460"	Continental, Mark V	D4VY-9A487A	17000
1976-72	7.5L (5) 460"	Mark IV	D4VY-9A487A	17000
1976-66	7.5L (5) 460"	Continental	D4VY-9A487A	17000
1971-66	7.5L (5) 460"	Mark III	D4VY-9A487A	17000

MAZDA

4 cyl.

1983-76	All	All	3613-13-840	17006
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MERCURY

4 cyl.

1989-83	1.6L (2,4,5,7,8) 98"	Lynx	E3FZ-9A487F,G	17011
1983	1.6L (2,4,5) 98"	LN7	E1FZ-9A487F,E3FZ-G	17011
1982	1.6L (4) 98"	LN7 (w/AT)		17013
1982	1.6L (4) 98"	LN7 (w/MT)	E1FZ-9A487F	17011
1982	1.6L (2,4) 98"	LN7 (w/MT)	E1FZ-9A487D	17035
1982	1.6L (2,4) 98"	Lynx (w/MT)	E1FZ-9A487D	17035
1982-81	1.6L (2,4) 98"	Lynx (w/AT)		17013
1982-81	1.6L (2,4) 98"	Lynx (w/MT)	E1FZ-9A487F	17011
1988-86	1.9L (J,9) 116"	Lynx		17022
1994-85	2.3L (X) 140"	Topaz	E3EE-9487BA	17022
1987-84	2.3L (R,X) 140"	Topaz	E43E-9A487AF	17029
1986-80	2.3L (A,R,S,T,W) 140"	Bobcat, Capri, Cougar, Marquis, Zephyr	D9AZ-9A487C	17027
1985-83	2.3L (A,R) 140"	Lynx		17022
1984	2.3L (A,R) 140"	Marquis		17022
1984-83	2.3L (A,R,T,W) 140"	Capri		17022
1983	2.3L (A) 140"	LN7, Zephyr (Exp,Exc.Turbo)		17022
1983	2.3L (A) 140"	Marquis, Zephyr		17010
1982-77	2.3L (A,T,W,Y) 140"	Bobcat, Capri, Zephyr	D8FZ-9A487A	17010
1980-78	2.3L (A,T,W,Y) 140"	Bobcat, Capri		17000
1978-75	2.3L (Y) 140"	Bobcat, Capri	D7FZ-9A487A	17012

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
MERCURY (Contd)				
6 cyl.				
1983-80	3.3L (B,X) 200"	Capri, Cougar, Marquis, Zephyr	D4VY-9A487A	17000
1983-80	3.3L (B,X) 200"	Capri, Cougar, Marquis, Zephyr	D9AZ-9A487C	17027
1988-84	3.8L (C,3,4) 232"	Capri, Cougar, Marquis, Sable	E27E-9A487AA,E8DE-AA	17021
1986-84	3.8L (C,3) 232"	Capri, Cougar, Marquis, Sable	D4AZ-9A487A	17003
1986-82	3.8L (C,3) 232"	Capri, Cougar, Marquis	D9AZ-9A487C	17027
1983-82	3.8L (3) 232"	Cougar, Marquis	E2AZ-9A487B	17024
1980	4.1L (C) 250"	Monarch	C6AZ-9A487A,D4VY-A	17000
1977-76	4.1L (L) 250"	Comet, Monarch (Cal)	D4VY-9A487A	17000
1979-76	All	Monarch, Zephyr		17009
1975-65	All	Comet	C6AZ-9A487A,D4VY-A	17000
1975-65	All	Comet, Cougar, Meteor, Monarch, Montego	C6AZ-9A487A,D4VY-A	17000

8 cyl.				
1982-80	4.2L (D) 255"	Capri, Colony Park, Cougar, Marquis, Monarch, Zephyr	D4VY-9A487A	17000
1982-80	4.2L (D) 255"	Capri, Colony Park, Cougar, Marquis, Monarch, Zephyr	D9AZ-9A487C	17027
1993-77	5.0L (F,M,T) 302"	Cougar	C6AZ-9A487A,D4VY-A	17000
1992-83	5.0L (F,M,T) 302"	Grand Marquis	C6AZ-9A487A,D4VY-A	17000
1991-81	5.0L (F) 302"	Colony Park, Grand Marquis	E8DE-9A487AA	17021
1990-80	5.0L (F,M,T) 302"	Capri, Colony Park, Marquis	C6AZ-9A487A,D4VY-A	17000
1985-80	5.0L (F,M,T) 302"	Capri, Colony Park, Cougar, Marquis, Monarch	D9AZ-9A487C	17027
1980	5.0L (F) 302"	Monarch (Before 12/17/79)	D4VY-9A487A	17000
1990-83	5.8L (G) 351"	Grand Marquis	D4VY-9A487A	17000
1982-80	5.8L (G) 351"	Colony Park, Marquis	C6AZ-9A487A,D4VY-A	17000
1982-79	5.8L (G,Q) 351"	Colony Park, Marquis	D9AZ-9A487C	17027
1979	5.8L (H,Q) 351"	Cougar	D4VY-9A487A	17000
1979-77	5.8L (H,Q) 351"	Cougar, Colony Park, Marquis, Monarch		17002
1978-77	6.6L (S) 400"	Cougar, Colony Park, Marquis	D7AZ-9A487A	17002
1980-69	All	Marquis	C6AZ-9A487A,D4VY-A	17000
1977-66	All	Comet	C6AZ-9A487A,D4DZ-A,D4VY-A	17000
1976-68	All	Montego	D4VY-9A487A	17000
1976-67	All	Cougar	C6AZ-9A487A,D4VY-A	17000

MERKUR

6 cyl.				
1989-88	2.9L (V) 177"	Scorpio		17021

MG

4 cyl.				
1980-68	1.8L (H) 110"	MGB	13H4358,5354987	17001

MITSUBISHI

4 cyl.				
1989-87	1.5L (J) 90"	Precis	28820-21350	17036

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
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NISSAN/DATSUN

4 cyl.

1973-69	1.6L (L16) 97"	All	14830-H7200	17001
1980-69	2.0L (L20B) 119"	All	14830-N3300,U6700	17001
1984-73	All	All (w/22mm I.D. hose)		17005
1982-80	All	210, 310	14830-H7200	17004
1980-73	All	All (w/18mm I.D. hose)		17007
1974-70	All	All	14830-N3300,U6700	17001

6 cyl.

1986-70	All	All (w/22mm I.D. hose)		17005
1974-71	All	All (w/18mm I.D. hose)		17007

OLDSMOBILE

4 cyl.

1982	1.8L (G) 111"	Firenza	22040897,22050642	17001
1981	2.5L (5) 151"	Omega	22040897,22050639,22097058	17001
1988-82	All	Firenza	22040897,22048208,209,22050636,642	17001
1984-80	All	Omega	22040897,22050639,22097058	17001
1980-75	All	Starfire	22050626	17001

6 cyl.

1989-81	2.8L (X,Z) 173"	Cutlass, Ciera, Omega	22040897,22048209,22050642	17001
1987-83	3.0L (L) 181"	98, Cutlass Calais	22040897,22048209,22050642	17001
1985-83	3.0L (E) 181"	98, Cutlass Ciera	22048578	17004
1993	3.1L (T) 189"	Cutlass (MFI)	22040897	17001
1991-90	3.1L (T) 189"	Cutlass (w/MT)	22040897	17001
1996	3.4L (X) 207"	Cutlass	22097057	17001
1993-91	3.4L (X) 207"	Cutlass Supreme	22040897	17001
1987-81	3.8L (A,B,3) 231"	Cutlass	22040897,22048206,209,579,22050642,22097058	17001
1985-84	3.8L (A,3) 231"	98	22040897,22048579	17001
1983	3.8L (A) 231"	Custom Cruiser (Cal)	22040897,22048579	17001
1981	3.8L (A,3) 231"	98	22040897,22048206,22097058	17001
1980-79	3.8L (A,3) 231"	Cutlass, Delta 88, Starfire	22016736	17004
1979	3.8L (A,2) 231"	Omega	22016736	17004
1984-81	4.1L (4) 252"	98, Toronado	22040896,22048206,579,22097058	17001
1981	4.1L (4) 252"	Delta 88		17004
1992-81	All	98	22034703,22040896,897,22048206,209,579,22050642,22097058	17001
1992-66	All	Cutlass	4974265,22040897,22048206,209,214,579,22050642,22097058	17001
1992-66	All	Delta 88	22034702,703,707,22041200,201,22048206,22050636,22097058	17001
1989-73	All	Custom Cruiser	4974265,22064702,22040897,22048579	17001
1980-73	All	Omega	4974265,22048214	17001
1978-75	All	Starfire	22050636	17001

8 cyl.

1982-79	4.3L (8) 260"	Custom Cruiser, Cutlass, Delta 88	22034702,707,22035625,22040903,22048206,22050636	17001
1992-81	5.0L (Y) 307"	Custom Cruiser	22040903,22050636,642	17001
1992-81	5.0L (Y) 307"	Cutlass	22040903,22050636,642	17001
1986-81	5.0L (Y) 307"	Delta 88	22040903,22050636,642	17001

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
OLDSMOBILE 8 cyl (Contd)				
1985-81	5.0L (Y) 307"	Toronado	22040903,22050636,642	17001
1984-81	5.0L (Y) 307"	98	22050636,642	17001
1979-78	5.0L (G,4) 305"	Cutlass	22034702,707,22035625,22040903,22048206,22050642	17001
1992	5.7L (7) 350"	Custom Cruiser	22040897	17001
1980-78	5.7L (R) 350"	Cutlass, Delta 88, Toronado	22050636	17001
1979	5.7L (L,R) 350"	98	22050636	17001
1979	6.6L (K) 403"	98, Delta 88	22034702,22050636	17001
1992-66	All	Cutlass	4974196,22034702,707,22035625,22040903,22048206,22050636,642	17001
1991-73	All	Toronado	4974196,22034702,22040903,22050636,642	17001
1989-73	All	Custom Cruiser	4974196,22030625,22034706,707,22040903,22048206,22050636	17001
1985-66	All	Delta 88	4974196,22034702,707,22035625,22040903,22048206,903,22050636,642	17001
1984-66	All	98	4974196,22034702,22050636,642	17001
1980-75	All	Starfire	4974196,2034702,22050636	17001
1979-73	All	Omega	4974196,22034702,22050636	17001

OLDSMOBILE TRUCK

8 cyl.

1992-91	4.3L (Z) 262"	Bravada (Exc.HP)	22050642	17001
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OPEL

4 cyl.

1979-76	All	All	94021258,94204935	17008
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PEUGEOT

4 cyl.

1980-79	All	All	1623-29	17001
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PLYMOUTH

4 cyl.

1994-81	2.2L (B,C,E,F,D,8) 135"	All	4041966,4300376	17001
1987-85	2.2L (C,8) 135"	Horizon, Turismo (Exc.FI)	4287346	17030
1987-84	2.2L (C,F,8) 135"	All (Exc.EFI,Horizon,One piece check valve & tube)	4300393	17019
1986	2.2L (D,E,F) 135"	All (w/EFI,Exc.Horizon,Incl.17001 check valve)	4300377	17020
1985-84	2.2L (C,D,F,8) 135"	All (Exc.Horizon)	4275816	17018
1985-81	2.2L (C,D,F,8) 135"	All	4307802	17014
1983	2.2L (C,D,E) 135"	All (Exc.Horizon)	4275812	17017
1982-81	2.2L (B) 135"	All (Exc.Horizon)	4227874	17016
1993-86	2.5L (B,J,K,V) 153"	All	4041966,4300376	17001
1986	2.5L (K) 153"	All (w/EFI,Exc.Horizon,Incl.17001 check valve)	4300377	17020
1985-81	2.6L (G,7) 156"	All	4041966,4300376	17001
1980-78	All	All Models (Check valve only)	4041966,4300376	17001

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
PLYMOUTH (Contd)				
6 cyl.				
1993-91	3.0L (3) 181"	Acclaim, Sundance	4300376	17001
1983-77	3.7L (C,D,E,F,G,H,J) 225"	All	3671038,4041966,4300376	17001
1983-72	3.7 L (B,C,D,E,F,H,J) 225"	All	3671038,4041966,4300376	17001
8 cyl.				
1989-72	5.2L (G,K,L,M,N,P,R,S, 4) 318"	All	3671038,039,4041966,4300376	17001

PLYMOUTH TRUCK

4 cyl.				
1987-85	2.2L (C,F,8) 135"	Voyager	4287346	17030
1985-84	2.2L (C,D,E,F,8) 135"	Voyager (To Convert.)	4275383	17031
1987-84	2.6L (G) 156"	Voyager	4041966,4300376	17001
6 cyl.				
1983-72	3.7L (B,E,H,) 225"	Voyager, Trailduster	3671038,4041966	17001
8 cyl.				
1983-74	5.2L (E,P,R,T,U) 318"	Voyager, Trailduster	3671038,4041966	17001
1981-74	5.9L (F) 360"	Voyager, Trailduster	3671038,4041966	17001

PONTIAC

4 cyl.				
1987-82	1.6L (C,6) 98"	T1000	22040897,22048209,22050642	17001
1982	1.8L (G,0) 111"	J2000, Sunbird	22040897,22048209,22050642	17001
1981	2.5L (5) 151"	Phoenix	22040897,22050639,22097058	17001
1983-82	2.0L (B) 121"	Sunbird	4993435,22050626	17001
6 cyl.				
1992-82	2.8L (S,W,X) 173"	Grand Prix, Firebird, 6000	22040897,22048209,22050642	17001
1984-82	2.8L (1) 173"	Firebird	22040897	17001
1984-81	2.8L (X,Z) 173"	Phoenix	22040897,22048209,22050642	17001
1993	3.1L (T) 189"	Grand Prix (Cal)	22048212, 22097057	17001
1992-91	3.1L (T) 189"	Firebird	22048212, 22097057	17001
1990	3.1L (T) 189"	Grand Prix	22048212, 22097057	17001
1996-91	3.4L (E,S,X) 207"	Firebird, Grand Prix	22048212,22097057	17001
1987-83	3.8L (A,B,3) 231"	Grand Prix	22040897,22048579,22050642	17001
1987-81	3.8L (A,B,3) 231"	Bonneville	22040897,22048206,579,22050642,22097058	17001
1984-83	3.8L (A) 231"	Parisienne	22040897,22048579	17001
1983	3.8L (9) 229"	Parisienne	22040897,22048221	17001
1983-80	3.8L (K) 229"	Grand AM, LeMans	22017158,22050635	17001
1982-79	3.8L (A,2) 231"	Grand Prix	22016736,905,22017158,22040897,22048579, 22050635	17001
1981	3.8L (A) 231"	Catalina, LeMans, Safari	22048206,22097058	17001
1980-79	3.8L (A) 231"	Bonneville, Catalina, Firebird, Grand AM, LeMans, Safari, Sunbird	22017158,22050635	17004
1979	3.8L (A) 231"	Phoenix	22017158,22050635	17004
1982-81	4.1L (4) 252"	Bonneville	22040897,22048206,579,22097058	17001

AIR PUMP CHECK VALVES

YEAR	ENGINE	MODEL	OE #	PART #
PONTIAC 6 cyl (Contd)				
1982-81	4.1L (4) 252"	Grand Prix	22040897,22048206,579,22097058	17001
1987-84	4.3L (Z) 262"	Grand Prix, Parisienne	22040897,22050642	17001
8 cyl.				
1981-78	4.3L (S) 265"	Firebird, Grand Prix, LeMans	22040897,22050639,22097058	17001
1981	4.9L (T,W) 301"	Bonneville, Catalina, Grand AM, Firebird (Exc.Turbo), LeMans	22040897,22050639,22097058	17001
1992-82	5.0L (C,E,F,S,7) 305"	Firebird	22040897,22050642	17001
1990-87	5.0L (Y) 307"	Safari	22040903,22050636,642	17001
1987-79	5.0L (G,H) 305"	Grand Prix, Firebird	22016902,22040897,22048221,224,22050636,642	17001
1986	5.0L (Y) 307"	Parisienne	22040903,22050636,642	17001
1986-83	5.0L (G,H,S,7) 305"	Bonneville, Parisienne	22040897,22048221,224,22050642	17001
1981	5.0L (Y) 307"	Bonneville, Catalina, Safari	22050636,642	17001
1979	5.0L (G,H) 305"	LeMans	22050636	17001
1979-78	5.0L (G,H) 305"	Grand AM	22050636	17001
1997-88	5.7L (8,P) 350"	Firebird	22040897,22048212,22050642	17001
1980-78	5.7L (L,R,X) 350"	Grand AM	22050636	17001
1979	5.7L (R) 350"	Bonneville	22050636	17001
1979	5.7L (L,R,X) 350"	Catalina, Grand Prix, LeMans	22050636	17001
1979	6.6L (K) 403"	Bonneville, Catalina, Firebird	22050636	17001

TOYOTA

4 cyl.

1982-81	1.5L (3AC) 89"	Tercel	90917-10024	17005
1981	2.0L (20R) 122"	Celica	90917-10028	17005
1983-82	2.4L (22R) 144"	Celica	90917-10028	17005
1982-81	2.4L (22R) 144"	Corona	90917-10028	17005
1981	2.4L (22R) 144"	Celica	90917-10028	17005
1986-82	2.4L (22R) 144"	Celica	90917-10001,002,003,024,028,045,062	17005

TOYOTA TRUCK

4 cyl.

1986-85	2.4L (22R) 144"	Land Cruiser, Pickup (4WD)	90917-10001,002,003,024,028,045,062	17005
1984	2.4L (22R) 144"	Pickup (2WD)	90917-10028	17005
1983-81	2.4L (22R) 144"	Pickup (4WD)	90917-10001,002,003,024,028,045,062	17005

6 cyl.

1984-81	4.2L (2F) 256"	Land Cruiser	90917-10003,057	17005
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VOLKSWAGEN

4 cyl.

1982-74	1.6L (EH,EJ,FN) 98"	Rabbit	060-131-603	17001
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YUGO

4 cyl.

1988-85	1.1L 67"	All	46620796	17003
1988	1.3L (5)	GV, GVL, GVX	46620796	17003

AIR PUMP CHECK VALVES

O.E.M. INTERCHANGE

OEM #	PART #	OEM #	PART #	OEM #	PART #	OEM #	PART #
ALFA ROMEO							
084400-0240	17007	D6DZ-9A487B	17009	22040200	17001	22097056	17001
11634-35032-01	17007	D6TZ-9A487B	17002	22040801	17001	22097057	17001
		D7AZ-9A487A	17002	22040802	17001	22097058	17001
AMC/JEEP							
		D7FZ-9A487A	17012	22040805	17001	22099019	17001
22017157	17001	D7TZ-9A487A	17003	22040807	17001	2217418	17001
3233960	17001	D8FZ-9A487A	17010	22040897	17001	2217478	17001
3236285	17002	D8FZ-9A487A	17010	22040899	17001	4974196	17001
3239802	17001	D8TZ-9A487A	17003	22040900	17001	4974256	17001
4974196	17001	D9AZ-9A487C	17027	22040902	17001	4974265	17001
8933001549	17001	E0BZ-9A487B	17003	22040903	17001	4993435	17001
8953000944	17001	E1FZ-9A487A,E	17013	22041200	17001	5354987	17001
		E1FZ-9A487C,F	17011	22041201	17001	94021258	17008
		E1FZ-9A487D	17035	22041202	17001	94204935	17008
BMW							
1164-0743-195	17001	E2AZ-9A487B	17024	22041203	17001		
		E3FZ-9A487B	17022	22041204	17001	ISUZU	
		E3FZ-9A487F	17011	22041205	17001	8-22050-642-0	17001
		E3FZ-9A487G	17011	22041206	17004	8-94204-935-0	17008
CHRYSLER							
2288311	17001	E3TZ-9A487A	17021	22041210	17001	9-19255-603-0	17008
3238321	17001	E3TZ-9B449A,B	17032	22041211	17001		
3671038	17001	E3ZF-9A487F,G	17011	22041212	17001	JAGUAR	
3671039	17001	E43E-9A487AF	17029	22041213	17001	5354987	17001
3843110	17001	E5FZ-9A487A	17011	22041214	17001	C34017	17001
4041966	17001	E6FZ-9A487A	17011	22041216	17001		
4105999	17019	E7TZ-9A487A	17010	22041218	17001	LUV	
4227167	17019	E7TZ-9A487B	17026	22041219	17001	94021258	17008
4227670	17016	E7TZ-9A487D	17003	22041224	17001	94204935	17008
4227863	17014	E7TZ-9A487E	17023	22041597	17001		
4227874	17016	E8DE-9A487AA	17021	22048206	17001	MAZDA	
4241556	17014	E8DZ-9A487A	17021	22048209	17001	3613-13-840	17006
4275378	17020	E8FZ-9A487A	17010	22048210	17001		
4275383	17031	E8TE-9A487AA	17023	22048211	17001	MG	
4275812	17017	E8TZ-9A487B	17003	22048212	17001	13H4358	17001
4275816	17018	E9VE-9A487AA	17000	22048213	17001	5354987	17001
4287346	17030	E9VF-9A487AB	17000	22048214	17001		
4300357	17033	E9VZ-9A487A	17000	22048216	17001	MITSUBISHI	
4300376	17001			22048218	17001	28820-21350	17036
4300377	17020			22048219	17001		
4300393	17019	GENERAL MOTORS		22048221	17001	NISSAN/DATSUN	
4307802	17014	22008616	17004	22048222	17001	14830-H7200	17004
5214063	17015	22016375	17004	22048224	17001	14830-N3300	17001
53030467	17001	22016736	17004	22048547	17001	14830-U6700	17001
5354937	17001	22016902	17001	22048578	17004		
5361992	17001	22016905	17001	22048579	17001	OPEL	
		22017157	17001	22049520	17001	94021258	17008
		22017158	17004	22049547	17001	94204935	17008
FIAT							
4290442	17001	22017418	17001	22050626	17001		
5354987	17001	22017478	17001	22050629	17001		
		22034702	17001	22050632	17001	PEUGEOT	
		22034703	17001	22050633	17001	1623-29	17001
		22034704	17001	22050635	17004		
		22034705	17001	22050635	17001		
		22034706	17004	22050636	17001		
		22034707	17001	22050638	17001		
		22035420	17001	22050639	17001		
		22035501	17001	22050642	17001		
		22035625	17001	22054689	17028		
		22036060	17001	22062561	17028		
		22036195	17001	22097053	17001		

AIR PUMP CHECK VALVES

O.E.M. INTERCHANGE

OEM #	PART #	OEM #	PART #
TOYOTA		VOLKSWAGEN	
90917-10001	17006	060-131-603	17001
90917-10002	17007		YUGO
90917-10003	17005	46620796	17003
90917-10024	17005		
90917-10028	17005		
90917-10029	17005		
90917-10045	17007		
90917-10051	17005		
90917-10057	17005		
90917-10062	17005		

NUMERICAL LIST

PART #	APPLICATION & YEAR	FIG. #
17000	FORD 65-90, F TRK, LINC 66-92, MERC 65-92	1
17001	AMC 81-86, BMW 64-76,66-90, CAD 80-90, CHEV 66-93, C TRK, GMC TRK 73-89, CHRY, DODGE, PLY 72-92, FIAT 74-84, FORD 74, ISUZU 88-92, JAGUAR 72-85, JEEP 79-92, MG 68-80, NISSAN/DATSUN 69-80, OLDS, PONT 66-92, PEUGEOT 79-80, VW 74-80	2
17002	FORD 68-73,75-79, F TRK 77-82, LINC, MERC 77-79	3
17003	FORD 74-78,84-89, F TRK 77-92, YUGO 85-88	4
17004	BUICK 78-80,83-85, CAD 80, CHEV, C TRK , GMC TRK, PONT 79-80, NISSAN/DATSUN 80-82, OLDS 79-81,83-85	5
17005	TOYOTA 68-86	6
17006	F TRK 90-92, MAZDA 76-83	7
17007	ALFA ROMEO 72-80, TOYOTA 71-74	8
17008	C TRK 82, ISUZU 81-84, OPEL 76-79	9
17009	FORD, MERC 76-79	10
17010	FORD, MERC 77-83, F TRK 83-89	11
17011	FORD 81-89, MERC 81-87	12
17012	FORD, MERC 75-78	13
17013	FORD, MERC 81-82	14
17014	CHRY, DODGE, PLY 81-85	15
17015	DODGE 78-80	16
17016	DODGE, PLY 81-82	17
17017	DODGE, PLY 83	18
17018	CHRY, PLY 84-85, DODGE 85	18
17019	DODGE, PLY 84-87	19
17020	DODGE, PLY 86	20
17021	LINC 88	21
17022	FORD 82-90, MERC 83-92	22
17023	F TRK 88-92	23
17024	FORD 82-88, MERC 82-83	24
17025	F TRK 83	25
17026	F TRK 83-92	26
17027	FORD 79-91, LINC 80-85, MERC 79-86	27
17028	CHEV 86-91	29
17029	FORD, MERC 84-87	30
17030	DODGE, PLY 85-87	31
17031	DODGE, PLY 84-85	32
17032	F TRK 83-85	33
17033	DODGE, PLY 85-87	34
17035	FORD 81-82, MERC 82	NO ILL
17036	HYUNDAI 80-89, MITSUBISHI 87-89	28

AIR PUMP CHECK VALVES

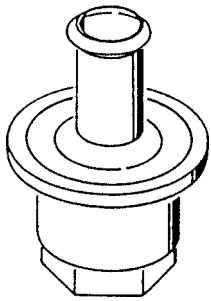


FIG. 1
1/2" to 3/4" I.D. Hose Size
3/4" - 14 NPSF Thread

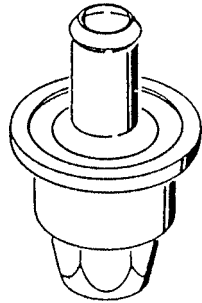


FIG. 2
1/2" to 3/4" I.D. Hose
1/2" - 14 Dryseal NPSF
Thread

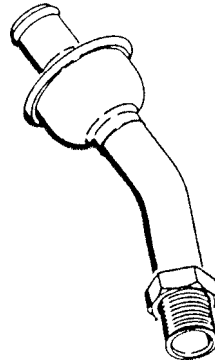


FIG. 3
3/4" I.D. Hose
3/4" - 14 Dryseal PTF
Thread

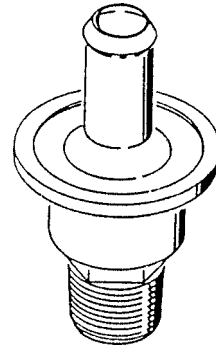


FIG. 4
1/2" to 3/4" I.D. Hose
3/4" - NPT Thread

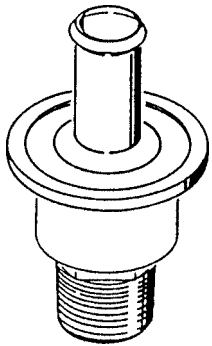


FIG. 5
1/2" to 3/4" I.D. Hose Size
1/2" - 14 NPT Thread

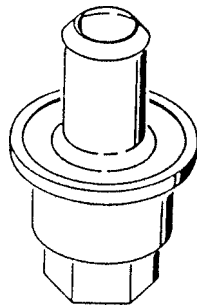


FIG. 6
22mm I.D. Hose
M24X2.0 Thread

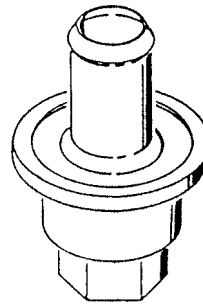


FIG. 7
22mm I.D. Hose
M24X1.5 Thread

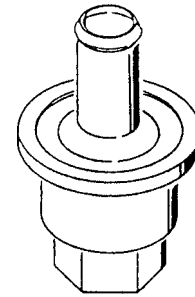


FIG. 8
18mm I.D. Hose
M24X2.0 Thread

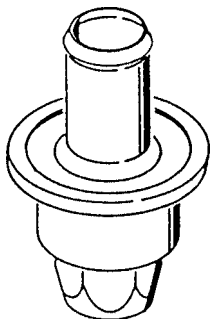


FIG. 9
1/2" to 3/4" I.D. Hose Size
1/2" - 14 NPSF Thread

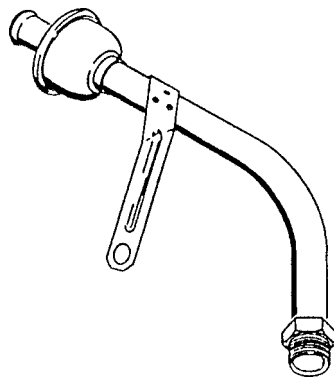


FIG. 10
3/4" I.D. Hose
1 1/16" - 16 UN-2A
Thread

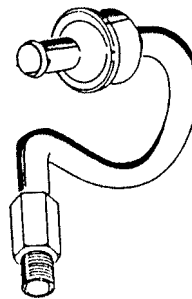


FIG. 11
3/4" I.D. Hose
1/2" - 14 Dryseal NPTF
Thread

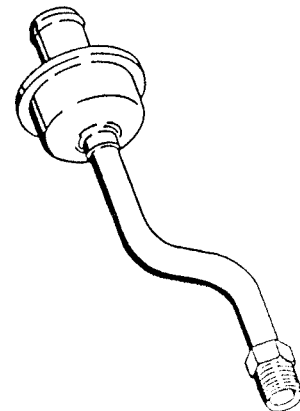


FIG. 12
3/4" I.D. Hose
1/2" - 18 NPSF
Thread

AIR PUMP CHECK VALVES

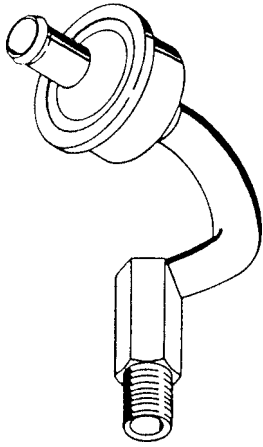


FIG. 13

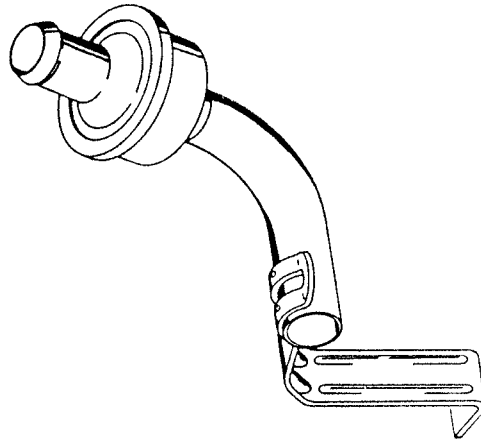


FIG. 14

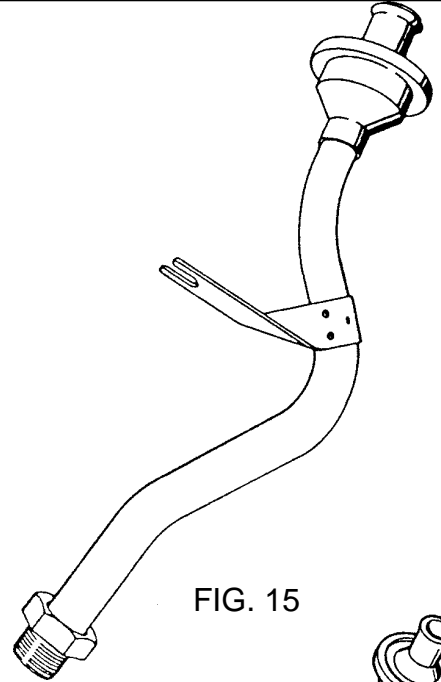


FIG. 15

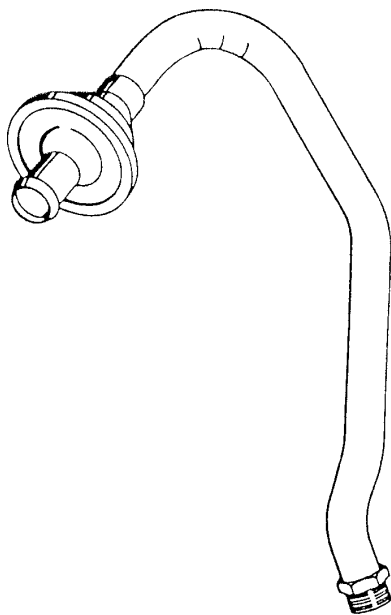


FIG. 16

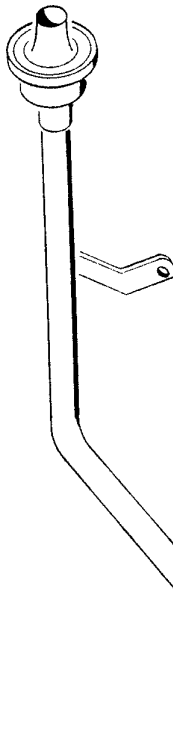


FIG. 17

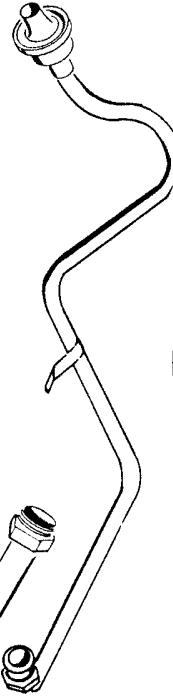


FIG. 18

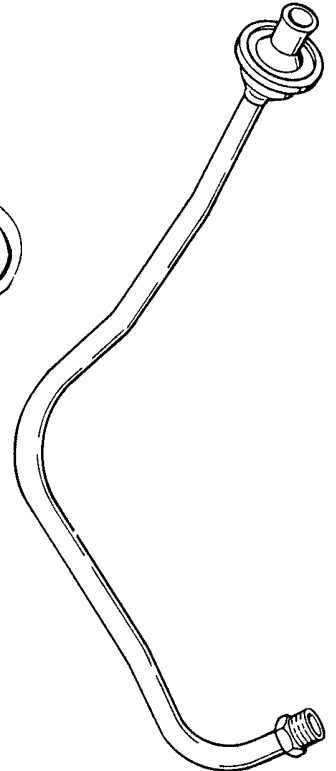


FIG. 19

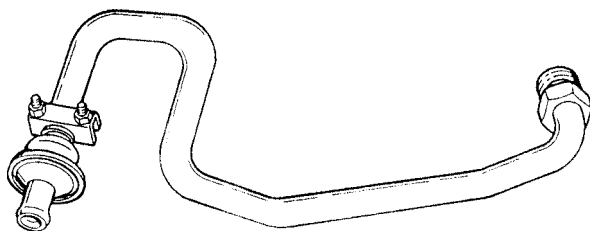


FIG. 20

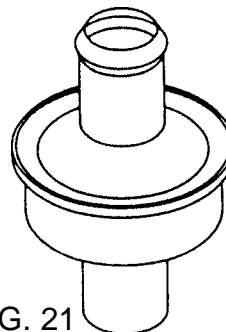


FIG. 21

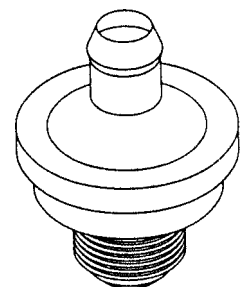


FIG. 22

AIR PUMP CHECK VALVES

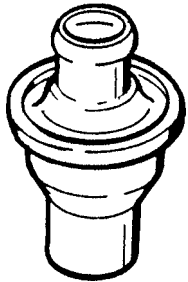


FIG. 23

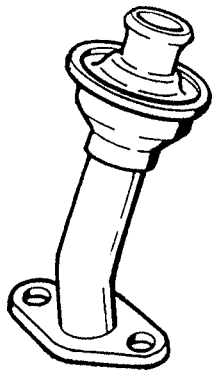


FIG. 24

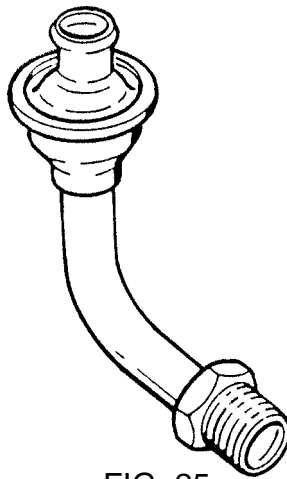


FIG. 25

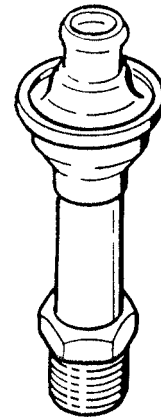


FIG. 26

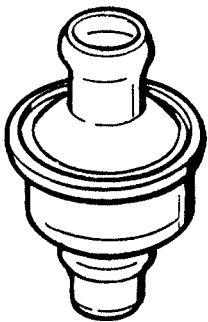


FIG. 27

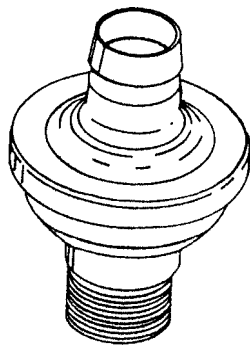


FIG. 28

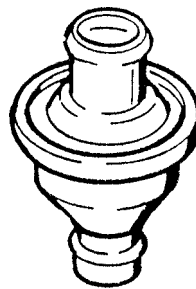


FIG. 29

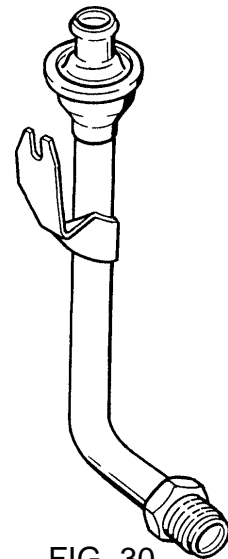


FIG. 30

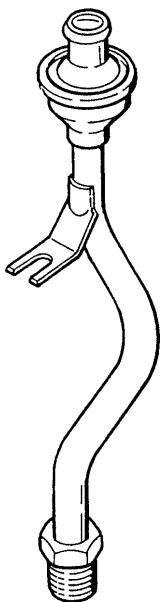


FIG. 31

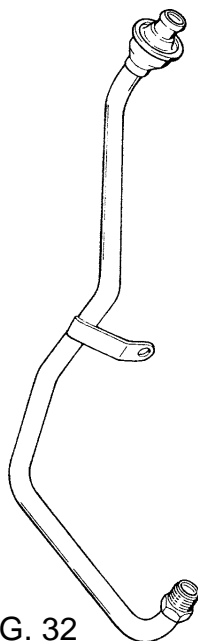


FIG. 32

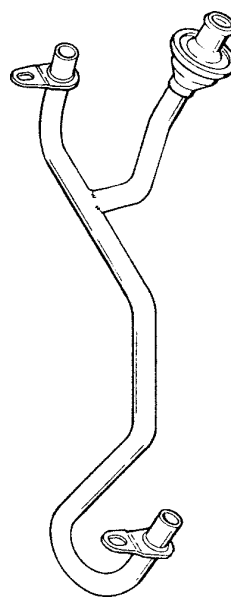


FIG. 33

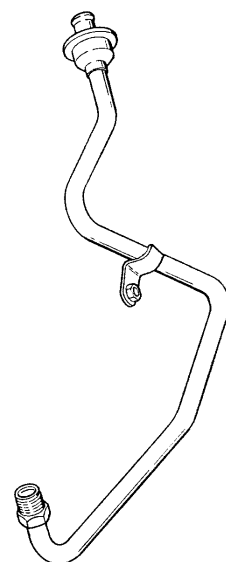


FIG. 34