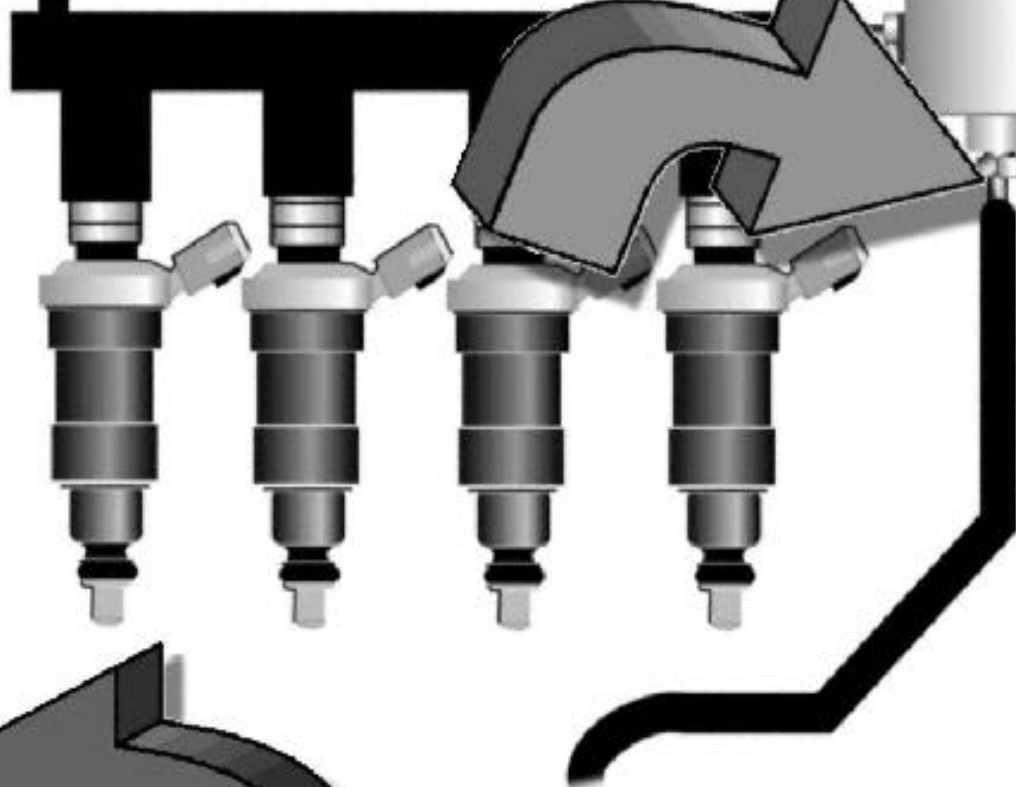


FUEL PRESSURE SPECIFICATIONS



Fuel Gauge

Regulator



Check Valve
in Fuel Pump

No Fuel
Returned
to Tank

AUDI**1985 – 00**

AFC, MOTRONIC

Engine	Year	System w/o vacuum (PSI)	System w/vacuum (PSI)	Residual (PSI)
2226cc	1991	43 – 46	35 – 39	36 – 40
2226cc	1992–95	58 – 61	–	49 – 54
2309cc	1992 – 93	–	55 – 61	46
2771cc	1992 – 99	55 – 61	48 – 54	32 – 44
3562cc	1990 – 91	58 – 62	49 – 54	43 – 50
3697cc	1997	61	52	44
4172cc	1992 – 93	58 – 62	49 – 54	43 – 50
4172cc	1997–99	61	41	44

CIS, CIS—E

Engine	System	Year	System PSI	Control PSI	Differential PSI	Residual PSI
1780cc	CIS—E	1985–87	75–82	–	68–79	38
1984cc	CIS—E	1988–90	88–96	–	81–91	48
2144cc	CIS	1985	68–78	49–55	–	35–38
2226cc	CIS—E	1985–86	75–82	–	68–79	38
2309cc	CIS—E	1987–91	89–94	–	81–90	51

BMW**1985 – 00**

With engine at normal operating temperature and idling.

Engine	Year	Control (PSI)	System (PSI)
1766cc	1985	42–44	40–47
2302cc	1988–91	42–44	40–47
2494cc	1988–92	42–44	40–47
2693cc	1985–88	35–37	33–38
3428cc	1988–92	42–44	40–47
3453cc	1988–90	42–44	40–47
4988cc	1988–92	42–44	40–47

BUICK**1985 – 00****CARBURETED & TBI**

Engine	Year	Pressure @ idle (PSI)
1.8L (112) TBI	1985–86	9.0–13.0 †
2.0L (122) TBI	1985–89	9.0–13.0 †
2.5L (151) TBI	1985–92	9.0–13.0 †
2.8L (173) 2V	1985–86	5.5–6.5
3.0L (181) 2V	1985	5.5–6.5
3.8L (231) 2V	1985–87	5.5–6.5
5.0L (305) 4V	1985–87	5.5–6.5
5.0L (307) 4V	1985–90	5.5–6.5
5.0L, 5.7L TBI	1991–93	9.0–13.0 †

† 13 PSI minimum deadhead

BUICK (con't)**1985 - 00****FUEL INJECTED
(MFI) Engine**

Year	Rest Pressure (PSI)	Pressure @ (PSI)	Deadhead Pressure (PSI)
1.8L (112) Turbo 1985-86	30-40	24-37	60 min.
2.2L, 2.3L (138), 2.4L 1988-98	40.5-47	30.5-44	47 min.
2.8L (173) 1985-89	40.5-47	30.5-44	60 min.
2.0L (122) Turbo 1987	35-38	25-30	65 min.
3.0L (181) 1985-86	37-43	31-40	75 min.
3.0L (181) 1987	34-43	29-34	75 min.
3.0L (181) 1988	40-47	31-42	75 min.
3.1L 1989-00	40.5-47	30.5-44	47 min.
3.3L 1989	40-44	32-46	50 min.
3.3L 1990-92	40-47	31-44	47 min.
3.4L 1994-95	40.5-47	30.5-44	47 min.
3.4L 1996-97	48-55	38-52	55 min.
3.8L (231) 1987	34-43	29-34	75 min.
3.8L (231) Code 3 1988	34-40	25-35	75 min.
3.8L (231) Code C 1988-90	40-47	37-43	75 min.
3.8L Code K 1995-00	48-45	38-52	55 min.
3.8L Code L,1 1990-95	40-47	30.5-44	47 min.
5.7L 1994-96	40-47	30.5-44	47 min.

CADILLAC**1985 - 00**

Engine	Year	Rest Pressure (PSI)	Pressure @ idle (PSI)	Deadhead Pressure (PSI)
2.0L (122) 1985-86		-	9-13	13 min.
2.8L (173) 1985-88		40.5-47.0	30.5-44.0	60 min.
3.0L 1997-98		46-59	-	-
3.0L 1997-00		46-59	-	-
4.1L (250), 4.5L (279) TBI 1985-89		-	9-12	-
4.5L, 4.6L, 4.9L 1990-94		40-50	32-38	-
4.5L, 4.6L, 4.9L 1995		40-50	-	-
4.5L, 4.6L, 4.9L 1996-98		46-59	-	-
5.0L 1991-92		-	9-13	13 min.
5.0L (307) 1986-90		-	5.5-6.5	-
5.7L 1990-93		-	9-13	13 min.
5.7L 1994-96		41-47	31-44	-

CHEVROLET**1985 - 00**

1987 - 88 Includes all models except Nova, Spectrum, Sprint.

1989 - 00 Includes all models except Geo, Sprint, Lumina APV, Venture

CARBURETED & TBI

Engine	Year	Pressure @ idle (PSI)
1.6L (98) 1985-87		5.5-6.5
2.0L (122), 2.2L 1985-93		9.0 - 13.0 †
2.5L (151) exc. 1985-92		9.0 - 13.0 †
2.5L Lumina 1990-92		26 - 32
2.8L (173) 2V 1985-86		5.5-6.5
3.8L (231) 1985-87		5.5-6.5
4.3L (262) 1986-93		9-13 †
5.0L (305), 5.7L TBI 1988-93		9-13 †
5.0L (307), 4V 1989		5.5-6.5
8 - cyl. 4V 1985-88		5.5-6.5

† 13 PSI minimum deadhead

CHEVROLET (con't)

1985 - 00

GASOLINE MFI

Engine	Year	Rest Pressure (PSI)	Pressure @ idle (PSI)	Deadhead Pressure (PSI)
2.2L, 2.3L, 2.4L	1989 - 00	40.5-47	30.5-44	47 min.
2.8L (173), 3.1L	1985 - 00	40.5-47	30.5-44	47 min.
3.1L Flex. fuel	1993-94	48-55	38-52	—
3.4L	1991 - 95	40.5 - 47	30.5 - 44	47 min.
3.4L	1996	48-55	38-52	55 min.
3.4L	1997-00	41-47	31-44	47 min.
3.8L	1995 - 96	48-55	38-52	55 min.
4.3L	1994 - 96	40.5-47	30.5-44	47 min.
5.0L (305)	1985-92	40.5-47	30.5-44	60 min.
5.7L (350) Corvette	1985	34-39	24-36	60 min.
5.7L (350) exc.	1986-00	40.5-47	30.5-44	47 min.
5.7L DOHC	1990-94	48-55	38-52	55 min.

CHEVROLET/GMC TRUCKS

1985 - 00

Includes Chevrolet Lumina APV, Oldsmobile Bravada & Silhouette, Venture, Pontiac Trans Sport, Isuzu Hombre

CARBURETED & TBI

Engine	Year	Pressure @ idle (PSI)
1.9L (119)	1985	4.0-6.5
2.5L (151)	1985-92	9-13 †
2.8L (173) 2V	1985	6-7.5
2.8L (173), 3.1L TBI	1985-96	9-13 †
4.3L (262) 4V	1985-86	4.0-6.5
4.3L (262) TBI	1985-94	9-13 †
7.4L	1994-96	26 - 32
8 - cyl.; Diesel	1987 - 92	5.5 - 6.5
8-cyl.	1985	7.5-9.0 *
8-cyl. 4V	1986-87	4-6.5
8-cyl. TBI	1987-93	9-13 †
8-cyl.: 5.0L, 5.7L	1994-96	9-13 †

† 13 PSI minimum deadhead

MFI @ CFI

Engine	Year	Rest Pressure (PSI)	Pressure @ (PSI)	Deadhead Pressure (PSI)
2.2L, 3.4L	1994 - 96	41-47	31-44	47 min.
3.8L	1992 - 95	40-47	30-44	47 min.
4.3L CFI	1992-95	55-61	37-43	61 min.
4.3L Turbo	1991 - 93	38 - 43	25 - 30	65 min.
4.3L, 5.0L, 5.7L, 7.4L	1996 - 00	60 - 66	50 - 63	66 min.

* With vapor return line, 5.5 - 7.0

CHRYSLER MOTORS CORPORATION

1985 – 00

Chrysler, Dodge, Plymouth & Eagle Vision (Includes FWD Vans)

Engine	Year	Rest Pressure (PSI)	Pressure @ (PSI)	Deadhead Pressure (PSI)
2.0L	1997	—	48 – 54	—
2.0L	1998–00	—	46–50	—
2.0L, 2.4L	1996	—	48 – 54	—
2.4L	1997	—	47 – 51	—
2.7L, 3.2L Long. Eng.	1998–00	—	44–54	—
3.3L	1993–97	53–57	44–48	—
3.3L CNG	1995 – 97	—	90 – 140	—
3.3L CNG	1987 – 96	—	46 – 50	—
3.3L CNG	1997	—	47 – 51	—
3.3L Flex fuel	1998–00	—	50–60	—
3.5L	1993–97	46–50	37–41	—
5.2L (318), 5.9L	1985–89	—	5.8–7.3	—
6—cyl. MFI Trans.	1987–94	—	46–50	—
6—cyl. Trans.	1995 – 97	—	47 – 51	—
engines: 2.5L				
8 cyl.	1998–00	—	44–54	—
8—cyl.	1987 – 89	—	5.8 – 7.3	—
All carbureted	1985–87	—	4.5–6.0	—
EFI Turbo	1985–86	—	51–55	—
EFI Turbo, Flex. Fuel	1987–94	—	53–57	—
MFI	1995	—	47 – 57	—
MFI Flexible Fuel	1987 – 94	—	53 – 57	—
TBI (early)	1986–91	—	13.5–15.5	—
TBI (late)	1991–95	—	38–40	—

CHRYSLER, DODGE, PLYMOUTH

1985 – 00

Includes Colt, Conquest, Laser (1990–94) Raider, Ram 50, Stealth, Vista, Sebring Coupe, Avenger

Carbureted & TBI

Engine	Year	Pressure @ idle (PSI)
Others, 2V	1985–86	4.6–6.0
1597cc, 2555cc TBI	1985–89	35–38

Fuel Injected (MFI)

Engine	Year	Pressure @ idle (PSI) w/o vacuum @ pressure regulator	Pressure @ idle (PSI) w/ vacuum @ pressure regulator
1468cc FI	1988–96	47–50	38
1597cc	1989–90	47–50	38
1755cc, 1834cc	1989–96	47–50	38
1996cc	1995 – 97	48 – 54	—
1996cc	1998–99	47–50	—
1997cc	1987–94	47–50	38
1997cc Turbo	1990–91	36–38	27
2350cc	1990–96	47–50	38
2497cc	1995 – 00	47 – 51	—
2972cc	1989 – 96	47–50	38
2972cc Pickup	1992 – 93	47–53	38
2972cc Turbo	1991 – 96	43–45	34
Turbo AT	1992–94	41–46	33
Turbo MT	1992–94	36–38	27

DODGE TRUCKS

1985 – 00

All Rear Wheel & 4-Wheel Drive Models

Carbureted & TBI

Engine	Year	Pressure @
2.2L (135) 2V	1987 – 88	4.5–6.0
2.5L (153) TBI	1989 – 95	13.5–15.5
3.7L (225)	1985 – 87	4.0–5.5
3.9L (238), 5.2L (318), 5.9L (360)	1985–87	5.75–7.25
3.9L, 5.2L, 5.9L TBI	1987 – 91	13.5–15.5

MFI

Engine	Year	Rest Pressure	Pressure @ (PSI)	Deadhead Pressure (PSI)
3.9L, 5.2L	1992–93	3.1 approx.	39–41 approx.	75
3.9L, 5.2L, 8.0L	1994 – 95	–	35–45	45 min.
3.9L, 5.2L, 8.0L	1996 – 00	–	44 – 54	54 min.
4-cyl.: Fuel Injected	1996 – 00	–	44 – 54	54 min.
5.9L: Diesel	1995–99	–	25 min.	–
5.9L: Gas	1993–95	–	35–45 †	45 min.
5.9L: Gas	1996 – 00	–	44 – 54	54 min.
CNG	1997–98	–	190–140	–
CNG	1999–00	–	110–125	–

† (Returnless) System pressure, does not have vacuum controlled regulator.

EAGLE/RENAULT

1985 – 00

Medallion, Premier, Summit, Talon, Vista

TBI

Engine	Year	Pressure @ idle (PSI)
2.5L	1985–89	14–15

MFI

Engine	Year	Pressure @ idle (PSI)	Pressure @ idle (PSI)
		w/o vacuum @ pressure	w/ vacuum @ pressure
1.5L, 1.6L, 1.8L, 2.0L (exc. Turbo),	1989–98	47–53	38
2.0L exc. Turbo	1995 – 98	47 – 50	–
2.0L Turbo	1995 – 97	42 – 45	33
2.0L Turbo AT	1992–94	41–46	33
2.0L Turbo MT	1990–94	36–38	27
2.2L	1988–89	–	33–39
3.0L (early)	1988–91	–	28–30
3.0L (late)	1991–92	–	43

FORD MOTOR COMPANY

1985 – 00

Ford, Lincoln, Mercury, Merkur including FWD vans

Carbureted

Engine	Year	Pressure @ idle (PSI)
1.3L (81)	1988–89	3–6
1.6L (98) 2V, 1.9L	1985–86	4.5–6.5
1.9L (113) TBI	1989–90	13–17
2.3L (140) 1V	1985–87	5–7
2.5 (153) TBI	1989–90	13–17
3.8L (232) 2V	1985–86	6–8
351, 400	1985–88	6–8
5.0L (302) exc. FI	1985	6–8

Ford, Lincoln, Mercury, Merkur

TBI or CFI

Engine	Year	Pressure @ idle (PSI)
1.9L (113)	1987–90	13–17
2.3L (140) HSC	1985–87	13–16
2.5L (153)	1986–88	13–17
2.5L (153)	1989–90	35–55
3.8L (232)	1985–87	25–45

MFI

Engine	Year	Rest Pressure (PSI)	Pressure @ idle (PSI)	Deadhead Pressure (PSI)
2.5L: Contour,	1998	–	45 – 60	–
1.3L	1989–93	35–40	25–31	69–85
1.3L	1994–97	38–46	30–38	50 min.
1.3L	1994–97	38–46	30–38	50 min.
1.6L	1985	35–40	30–45	–
1.6L	1987–89	36–42	28–32	–
1.6L	1991–94	37–42	37–41	64–85
1.8L	1991–95	38–46	30–37	64–85
1.9L, 2.3L OHC, 2.9L	1994–96	35–40	30–45	–
1.9L, 2.3L OHC, 2.9L	1987–93	30–45	30–45	–
2.0L	1994–97	35–40	30–45	–
2.0L AT	1993	37–46	30–38	64–92
2.0L MT	1993	35–40	30–45	64–92
2.0L: Contour,	1998–00	–	30–45	–
2.0L: Escort, Tracer	1998–00	–	55–85	–
2.2L	1989–92	34–40	37–41	64–85
2.3L HSC	1988–94	50–60	45–60	–
2.5L	1986–91	50–60	45–60	–
2.5L: Contour,	1995–97	35–40	30–45	–

FORD MOTOR COMPANY (Con't)

1985 – 00

Ford, Lincoln, Mercury, Merkur

MFI

Engine	Year	Rest Pressure (PSI)	Pressure @ idle (PSI)	Deadhead Pressure (PSI)
3.0L Villager	1993–94	40–43	36–38	58–62
3.0L: Villager	1995–00	43	34	58–62
3.4L SHO	1996–97	35–40	30–45	–
3.4L SHO	1998–00	–	30–45	–
3.8L S/C	1989–93	35–40	30–40	–
3.8L S/C	1994–97	35–45	28–54	–
4.6L	1991–93	35–40	30–45	–
4.6L	1994–95	35–45	28–54	–
4.6L	1996–97	35–40	30–45	–
4.6L	1998–00	–	30–45	–
4.6L Continental	1998–00	–	55–85	–
5.0L	1987–93	35–45	30–45	–
5.0L	1994–95	35–45	30–45	–

FORD TRUCKS

1985 – 00

1988–98 Includes Mercury Mountaineer, Lincoln Navigator, Mazda Navajo, B2300, B2500, B3000, B4000 Trucks

Carbureted

Engine	Year	Pressure @ idle (PSI)
2.8L (171)	1985–86	4–6
4 – cyl.	1985–88	5–7
6 – cyl.:	1985–86	5–7
8 – cyl. 2V & 4V Mech.	1985–87	4–5 6–8

Fuel Injected Engine	Year	Rest Pressure	Pressure @ idle (PSI)
2.3L (140)	1985–87	35–45	25–35
2.3L (140)	1988–97	35–45	30–45
2.5L	1998	56–72	–
2.9L (179), 3.0L	1986–87	35–45	28–38
2.9L (179), 3.0L (182), 4.0L	1988–94	35–45	30–45
2.9L (179), 3.0L (182), 4.0L: Ranger	1998	56–72	–
2.9L (179), 3.0L (182), 4.0L: Ranger,	1998	47–63	–
4.2L V6	1997	35–45	30–45
4.2L V6	1998	30–45	–
4.9L (300)	1987–94	50–60	45–60
4.9L (300)	1995–96	35–45	30–45
V8	1985–87	35–45	28–38
V8, V10	1988–97	35–45	30–45
V8, V10	1998–00	30–45	–

GEO – ASUNA/CHEVROLET – PONTIAC

1989–00

Metro, Prizm, Spectrum, Storm, Sunfire, Tracker, Sunrunner, Sprint, Firefly
CHEVROLET – PONTIAC

1985 – 00

Sprint, Spectrum, Nova; Firefly, Sunburst

Carbureted & TBI

Engine	Year	Rest Pressure	Pressure @ idle (PSI)
1.0L, 1.3L	1989–00	23–31	13–20
1.6L Nova	1985–88	3.5	
1.6L Tracker,	1989–95	34 – 41	57 min.

† Minimum 57 PSI deadhead pressure

MFI

Engine	Year	Rest Pressure (PSI)	Pressure @ idle (PSI)	Deadhead Pressure (PSI)
1.0L Turbo	1987–91	35–43	25–33	—
1.3L	1994 – 97	38.5–44	28.5–34	–
1.5L Turbo	1987–88	35.6	28.4	—
1.6L Nova, Prizm	1988–92	38–44	30–37	57 min.
1.6L Storm, Sunfire	1990–91	35–42	25–30	65 min.
1.6L Storm, Sunfire	1993	30–46	30–36	60 min.
1.6L Tracker,	1993–98	35–43	29–37	60 min.
1.6L, 1.8L Prizm	1993–97	38–44	31–37	—
1.6L, 1.8L Prizm	1998	44 – 50	–	–
1.6L, 1.8L Storm, Sunfire	1992	41–47	25–30	60 min.
1.8L Storm, Sunfire	1993	41–47	41–44	60 min.

HONDA

1985 – 00

Carbureted

Engine	Year	Pressure @ idle (PSI)
1342cc, 1488cc 3V	1985–86	2.4–3.3
1598cc	1985	2.4–3.1
1830cc 2V	1985	2.4–3.1
1830cc 2x1	1986	2.1–2.8
1955cc 2V	1986–87	2.6–3.3
1958cc 2x1	1988–90	2.6–3.3

Fuel Injected

Engine	Year	Rest Pressure	Pressure @ idle (PSI)
1488cc	1985–86	33–39	—
1488cc	1987	36–41	—
1493cc, 1590cc	1988–91	35–41	35–37
1493cc, 1590cc	1992–95	40–47	30–38
1590cc Civic	1996 – 00	38 – 46	28 – 36
1590cc Civic Del Sol	1996 – 97	40 – 47	31–36
1595cc	1999–00	40–47	30–37
1830cc, 1985cc	1985–86	33–39	—
1955cc, 1958cc,	1987–90	35–41	35–37
1972cc	1997–98	38–46	30–37
1972cc	1999–00	40–47	31–38
2156cc Accord,	1991–97	40–47	30–37
2156cc DOHC	1993–96	33–40	24–31
2156cc SOHC	1992–96	36–43	28–35
2157cc	1997 – 99	40 – 47	30–37
2254cc	1998–99	40 – 47	30–37
2675cc	1995–97	44 – 51	36–43
2997cc	1998–00	41–48	32–40
3474cc	1999–00	41–48	32–40

HYUNDAI
1985 – 00
Carbureted

Engine	Year	Pressure @ idle (PSI)
1439cc	1985–88	2.7–3.7
1468cc	1986–89	2.8–3.6
1597cc	1985–87	3.7–5.1
1997cc	1987	2.7–3.7

Fuel Injected

Engine	Year	Rest Pressure	Pressure @ idle (PSI)
1495cc	1993 – 96	44.3	37 approx.
1495cc	1997 – 99	43.5	36 approx.
1495cc	2000	—	50 approx.
1795cc, 1975cc	1996 – 00	44.3	37 approx.
1997cc	1988	35.6–38.4	28.4
2351cc, 2493cc	1999–00	46–49	37 approx.
All	1989–92	46–49	39 approx.
Others	1993–97	46–49	39 approx.
Scoupe	1993–94	44.3	37 approx.

INFINITI
1990 – 00

Engine	Year	Rest Pressure	Pressure @ idle (PSI)
1998cc	1991–96	43	36
1998cc	1999–00	34	43
2960cc	1990–92	43	34
2960cc	1993–98	43	36
2988cc	1995 – 00	43	34
3275cc	1997 – 00	43	34
4130cc	1997–00	43	34
4494cc	1990–96	43	34

ISUZU
1985 – 00
Carbureted & TBI

Engine	Year	Pressure @ idle (PSI)	Deadhead Pressure
1471cc 2V	1985–89	3.8–4.7	—
1817cc, 1949cc 2V	1985–87	3.6	—
2.8L, 3.1L TBI	1989–94	9–13	13–18
2254cc 2V	1992–95	3.5	—

MFI

Engine	Year	Rest Pressure (PSI)	Pressure @ (PSI)	Deadhead Pressure (PSI)
1471cc Turbo	1987–89	35.6	28.4	—
1588cc ex. Turbo	1989–91	35–38	25–30	—
1588cc ex. Turbo, 1809cc	1992–93	35–42	30–59	65 min.
1588cc Turbo	1991–92	—	40–47	65
2198cc	1998–00	42 – 55	27 – 52	55 min.
2254cc, 2559cc	1988–97	42	35	43
3165cc, 3494cc	1992–95	41–46	25–30	65 min.
3165cc, 3494cc	1996–00	42–55	27–52	55 min.

JEEP

1985 – 00

Carbureted & TBI

Engine	Year	Pressure @
4—cyl. ex. FI	1985—86	4.0—5.0
4—cyl. w/FI	1986—90	14—15
6—cyl. 2V	1985—89	4—5
8—cyl.	1985—91	5.0—6.5
V—6 cyl.	1985—86	6.0—7.5

MFI

Engine	Year	Rest Pressure	Pressure @ idle (PSI)
2.5L	1997—00	47—51	—
2.5L, 4.0L, 5.2L	1987—95	38—42	31
2.5L, 4.0L, 5.2L	1996	47—51	—
4.0L	1997—00	47—51	—
4.7L, 5.2L, 5.9L	1997—00	44—54	—
Grand Wagoneer	1997—00	44—54	—

LEXUS

1990 – 00

Engine	Year	Rest Pressure	Pressure @ idle (PSI)
2507cc, 2958cc	1990—93	38—44	33—37
2995cc	1994—96	38—44	33—38
2995cc	1997—98	—	44—50
2997cc, 3969cc	1990—97	38—44	28—34
2997cc, 3969cc	1998—00	—	44—50
4669cc	1998—00	38—44	—

MAZDA

1985 – 00

1987—98 Includes B2000, B2600, MPV

1991—98 Includes Navajo, B2300, B3000, B4000

Engine	Year	Rest Pressure	Pressure @ idle (PSI)	Deadhead Pressure (PSI)
1146cc	1985	—	2.8—3.6	—
1308cc	1989—92	—	27—33	71—92
1308cc	1994	36—38	28—32	71—107
1308cc FI	1985	37	28.4	50—71
1308cc FI	1986—87	35.6—37	28.4	64—85.3
1308cc FI	1988	34.1—39.8	28.4	64—85.3
1308cc Turbo	1989—92	34—40	28.4	71—92
1489cc	1995—98	40—45	29—34	72—93
1490cc	1985	—	4.3—6.0	—
1597cc	1999—00	30—38	38—46	64—92
1597cc 2V	1986—87	—	—	4—5
1597cc 323, 1839cc, 1844cc	1994	38—46	30—38	64—92
1597cc FI	1986—89	34—41	24—31	64—85
1597cc MX—3,	1994	37—47	28—37	70—95
1597cc, 1839cc,	1990—93	38—46	30—38	64—92
1839cc Miata	1996—97	38—46	30—38	64—92
1839cc Miata	1999—00	53—61	—	64—92
1839cc Protegé	1996—98	40—45	29—34	72—93
1839cc Protegé	1999—00	30—38	38—46	64—92
1839cc Protegé,	1995	40—45	29—34	72—93
2255cc	1995—00	41—48	30—48	92—116
2497cc	1993—97	30—38	38—46	64—92
2497cc 626	1998—00	30—36	39—45	64—92
2497cc Millenia	1998—00	30—38	38—46	64—92
2555cc	1987—88	—	—	2.8—3.6
2606cc, 2954cc	1988—93	38—46	28—38	64—85
2606cc, 2954cc	1989—98	28—38	38—46	64—85
2997cc MPV	2000	55—61	—	86—110
4016cc	1991—92	35—45	30—45	—

**MERCEDES – BENZ
1985 – 00**

Engine	Year	Control Pressure	System Pressure
2.2L	1994–96	—	47–53
2.3L	1985	—	77–80
2.3L	1986	—	83–96
2.3L	1987–94	—	77–80
2.3L	1996–97	—	83–86
2.6L	1987–94	—	77–80
2.8L	1993–96	—	46–52
3.0L DOHC	1986–92	—	90–93
3.0L SOHC	1986–92	—	77–80
3.0L	1993–96	—	46–52
3.0L DOHC, 3.2L,	1990–97	46–52	54–61
3.2L	1993–96	—	46–52
3.2L DOHC	1991–92	—	90–93
3.8L, 5.0L	1985	49–55	73–80
4.2L	1997	—	47–53
4.2L	1992–96	46–52	54–61
4.2L, 5.6L	1986–94	—	90–93
5.0L	1990–96	—	90–93
6.0L	1992–95	—	46–52

**MITSUBISHI
1985 – 00**

Engine	Year	Rest Pressure	Pressure @ idle (PSI)
1597cc Turbo SOHC, 2555cc Turbo	1985–89	35–38 *	—
2350cc	1985–87	35.5–38.5	28.5
4–cyl. Turbo	1995–00	43–45	34
4–cyl. Turbo AT	1992–94	41–46	33
4–cyl. Turbo MT	1989–94	36–38	27
All ex. Turbo	1988–96	47–53	38
All ex. Turbo	1997–00	47–50	38
V6 Turbo	1991–99	43–45	34

NISSAN

1985—00

All carbureted & TBI, measured at fuel inlet fitting on unit. Values are approximate pressure.

All MFI, measured between fuel filter and metal pipe. Values are approximate pressure.

Carbureted & TBI

Engine	Year	Pressure @ idle (PSI)
1597cc	1989—90	43 (w/ vac. to fuel pressure)
1597cc	1989—90	34 (w/o vac. to fuel pressure)
1597cc TBI	1987—88	14
2389cc (early)	1986	14
2389cc (late)	1986—89	36
2960cc TBI	1986—89	36
All 2V	1985—87	2.8—3.8

MFI	Rest Pressure	Pressure @ idle (PSI)
1597cc, 1988cc	43	36
1598cc	36	28
1809cc DOHC	43	36
1809cc Turbo	37	30
1974cc	37	30
1974cc	43	37
2389cc	43	34
2960 300ZX	43	36
2960cc 300ZX	37	30
2960cc 300ZX Turbo	44	30
2960cc exc. Turbo	37	30
2960cc Maxima	43	36
2960cc Pickup, Quest, Pathfinder,	44	34
2960cc Turbo	44	30
2988cc	48	34
3275cc	43	34
All	37	30

OLDSMOBILE

1985 – 00

All Models Except Bravada, Silhouette

Carbureted & TBI

Engine	Year	Pressure @ idle (PSI)
1.8L (112) FI	1985—86	9.0—13.0*
2.0L (122) FI	1985—89	9.0—13.0*
2.5L (151) FI	1985—92	9.0—13.0*
2.8L (173) 2V	1985—86	5.5—6.5
3.0L (181) 2V	1985	5.5—6.5
3.8L (231) 2V	1985—86	5.5—6.5
5.0L (305)	1985—87	5.5—6.5
5.0L (307)	1985—90	5.5—6.5
5.0L, 5.7L	1991—92	9—13*

* 13 PSI minimum deadhead

OLDSMOBILE (con't)

1985 - 00

All Models Except Bravada, Silhouette

MFI

2.2L, 2.3L, 2.4L	1987-00	40-47	30-44	47 min.
2.8L (173)	1985-89	40-47	30-44	60 min.
3.0L (181)	1985-86	37-43	31-40	75 min.
3.0L (181)	1987	34-43	29-34	75 min.
3.0L (181)	1988	40-47	31-42	75 min.
3.1L, 3.4L DOHC	1989-99	40-47	30-44	47 min.
3.3L	1989	40-44	32-36	50 min.
3.3L	1990-93	40-47	30-44	47 min.
3.8L (231)	1985-86	34-43	24-37	75 min.
3.8L (231) Code 3	1987-88	34-40	25-35	75 min.
3.8L (231) Code C	1988-91	40-47	31-43	75 min.
3.8L Code L, 1	1991-95	40-47	30-44	47 min.
3.8L Code K	1995-99	48-55	38-52	55 min.
4.0L	1995-97	48-55	38-52	55 min.
4.0L	1998-99	40-47	30-44	47 min.

PONTIAC

1985 - 00

All Models Except Firefly, Sunburst & Trans Sport

CARBURETED & TBI

Engine	Year	Pressure @ idle (PSI)
1.6L (98)	1989-93	9.0-13.0
1.6L (98) 2V	1985-87	5.5-6.5
1.6L (98) Lemans TBI	1988-93	9.0-13.0*
1.8L (112), 2.0L (122) TBI	1985-89	9.0-13.0*
2.0L (122)	1989	9.0-13.0
2.5L (151) TBI	1985-91	9.0-13.0*
2.8L (173) 2V	1985-86	5.5-6.5
3.8L (231) 2V, 4.1L (252)	1985-87	5.5-6.5
4.3L (262) 4V	1985	5.5-6.5
4.3L (262) TBI	1985-87	9.0-13.0*
5.0L (305 & 307) 4V	1985-87	5.5-6.5
5.0L (305) TBI	1988-92	9.0-13.0*
5.0L (307)	1987-89	5.5-6.5

- 13 PSI minimum deadhead

MFI

Engine	Year	Rest Pressure (PSI)	Pressure @ (PSI)	Deadhead Pressure (PSI)
1.8L (112) Turbo	1985-86	30-40	24-37	60 min.
2.0L	1992-94	40-47	30-44	47 min.
2.0L (122) Turbo	1987-90	35-38	25-30	65 min.
2.2L	1995-00	40-47	30-44	47 min.
2.3L (138), 2.4L	1988-00	40-47	30-44	47 min.
2.8L (173), 3.1L	1985-88	40.5-47	30.5-44	47 min.
3.0L (181)	1985-86	37-43	31-40	75 min.
3.0L (181)	1987	34-43	29-34	75 min.
3.1L	1989-00	40-47	31-44	47 min.
3.3L	1992-93	40-47	31-44	47 min.
3.4L	1991-95	40-47	31-44	47 min.
3.4L	1996-97	48-55	38-52	55 min.
3.8L (231)	1986	34-43	24-37	75 min.
3.8L (231)	1987	34-43	29-34	75 min.
3.8L (231) Code 3	1988	34-40	25-35	75 min.
3.8L (231) Code C	1988-89	40-47	37-43	75 min.
3.8L Code C, L, 1	1990-95	40-47	30-44	47 min.
3.8L Code K	1995-98	48-55	38-52	55 min.
5.0L (305), 5.7L	1985-98	40-47	30-44	47 min.
5.0L, 5.7L (350)	1989-00	40-47	30-44	47 min.

PORSCHE

1985 – 00

DME, L-, LH-JETRONIC

Engine	Year	System Pressure KOEO PSI (bar)	System @ idle* PSI (bar)	Residual ★ PSI (bar)
2479cc DOHC	1987–88	52–55	48 (3.3)	44 (3.0)
2479cc Turbo	1987–89	33–39	29 (2.0)	15 (1.0)
2479cc ex. DOHC	1985–88	33–39 (2.3 – 2.7)	29 (2.0)	15 (1.0)
2681cc	1985–89	52–58	48 (3.3)	44 (3.0)
2990cc	1989–95	52–58	48 (3.3)	44 (3.0)
3164cc	1989–93	52–58 (3.6 – 4.0)	46–51 (3.1–3.5)	44 (3.0)
3164cc	1987–89	33–39	29 (2.0)	29 (2.0)
3299cc	1985–89	51–57 (3.5–3.9)	87–97 (6.0–6.7)	22 (1.5)
3299cc	1991–92	51–57 (3.5–3.9)	87–97 (6.0–6.7)	22 (1.5)
3600cc	1985–89	33–39	29 (2.0)	29 (2.0)
3600cc	1989–96	52–58	46–51	39 (2.7)
4957cc	1989–93	52–58 (3.6–4.0)	46–51 (3.1–3.5)	39 (2.7)
4957cc	1985–86	33–39	29 (2.0)	15 (1.0)
5397cc	1987–92	52–58	48 (3.3)	44 (3.0)
5397cc	1993–95	52–58	–	–

* With engine running at normal operating temp. ★ Min. pressure after 20 min.

SATURN

1991 – 00

Engine	Year	Rest Pressure (PSI)	Pressure @ idle (PSI)	Deadhead Pressure (PSI)
1.9L	1995–00	38–44	31–36	46–94
1.9L DOHC	1991–94	38–44	31–36	46–94
1.9L SOHC	1991–94	–	26–31	46–94
2.2	2000	–	50–60	65 min.
3	2000	38–44	–	65 min.

SUBARU

1985 – 00

Engine	Year	Pressure @ idle (PSI)
1189cc 2V	1987–91	1.25–2.0
1595cc, 1781cc 2V	1985	1.3–2.1
1781cc 2V	1986–89	2.6–3.3
1781cc MPFI	1985	61–71
1781cc MPFI	1986–90	26–30
1781cc SPFI	1986–94	20–24
1820cc	1993–94	26–30
1820cc	1997–98	36.3
2212cc	1990–95	26–30
2212cc	1996–98	36.5
2212cc	1999	43.4
2457cc	1996–98	23–30
2457cc	1999	26–30
2672cc	1988–89	26–30
3318cc	1992–94	36.3

TOYOTA
1985 – 00
Carbureted

Engine	Year	Pressure @ idle (PSI)
1452cc	1985 88	2.6 3.5
1456cc	1987 90	3
1587cc	1985 89	2.5 3.5
2366cc	1985 90	2.8 4.3

Fuel Injection		Rest Pressure (PSI)	Pressure @ idle (PSI)
Engine	Year		
1456cc,1497cc	1990 96	41 42	33 37
1497cc	1997	—	44—50
1587cc	1985 87	33 40	24 31
1587cc 2WD	1988 89	38 44	30 33
1587cc 4WD	1989	33 40	33 30
1587cc	1988 89	33 40	20 27
1587cc, 1762cc	1990 97	38 44	30 37
1794cc, 1796cc	1998—00	—	44—50
1988cc 2164cc MR2	1991	33 38	27 31
1995cc, 1998cc	1985 86	33 38	27 31
1998cc	1992—95	33—38	27—31
1998cc	1996—00	—	44—50
1998cc, 2164cc, Camry, Celica	1988 – 91	38 44	33 37
2164cc	1992 – 95	38 44	30 37
2164cc Camry	1996	38—44	33—38
2164cc Camry,	1997—99	—	44—50
2164cc Celica	1996	38—44	30—37
2164cc Celica	1997—99	38—44	33 38
2237cc	1986 – 87	33 38	27 31
2237cc	1988 89	38 44	30 33
2366cc, 2759cc	1985 88	33 38	27 31
2366cc, 2759cc	1989 95	38 44	33 37
2438cc	1991 00	38 44	30 37
2438cc	1994—97	33—40	24—31
2507cc	1988 91	38 44	33 37
2693cc	1994—00	38—44	31—37
2759cc	1987—88	33—38	27—31
2954cc	1986 – 88	33 40	23 30
2954cc Turbo	1989 – 91	33 40	23 30
2954cc, 2958cc	1988 – 91	38 44	33 37
2958cc	1990 – 95	38 44	30 37
2958cc	1988—89	38—44	33—37
2995cc	1994—96	38 44	33 38
2995cc	1997—00	—	44—50
2997cc	1993 – 97	38 44	28 34
2997cc Turbo	1995—98	33—38	27—31
2997cc Turbo	1993 – 94	38 44	27 31
3378cc	1995—00	38—44	33—38
4477cc	1993—99	38—44	31—37
4669cc	1998—00	38—44	28—39

**VOLKSWAGEN
1985 – 00**

Engine	System	Year	System (PSI)	Control (PSI)	Differential (PSI)	Residual (PSI)
1780cc	CIS	1985 – 91	68 – 78	49 – 55	–	35 – 38
1780cc	CIS – E	1985 – 91	75 – 82	–	68 – 79	38
1984cc	CIS – E	1990 – 92	88 – 96	–	81 – 91	48
2226cc	CIS – E	1985 – 88	75 – 82	–	68 – 79	38

Digijet & Digifont Systems

Engine	Year	System w/o vacuum (PSI)	System w/ vacuum (PSI)	Residual Pressure (PSI)
1780cc	1988 – 92	44	36	29
1915cc	1985	36	29	29
2109cc	1986 – 91	36	33	29
1984cc	1993–97	44	36	29
2451cc	1993	44	36	29
2792cc	1993–94	58	51	36
2792cc	1995–97	44	36	29

**VOLVO
1985 – 00**

Engine	System	Year	Control Pressure (PSI)	Line Pressure (PSI)	Residual Pressure (PSI)
2127cc	1V	1985	–	2.1 – 3.8 @	–
2127cc Turbo	LH	1985	36	43	–
2316cc	LH	1985 – 92	36	43	28 – 43
2319cc Turbo,	LH	1993–98	—	43	29 min.
2435cc	LH	1993–98	–	43	29 min.
2473cc	M	1995–96	—	43	—
2849cc	CIS	1985 – 86	49 – 56 *	64 – 75	24 min.
2849cc	LH	1987 – 90	36	43	–
2922cc	M	1992–97	—	43	—

* With vacuum, 44 – 50 psi with vacuum line disconnected.