

KNOCK (KS) SENSORS

WHAT THEY DO

Detect cylinder block vibrations caused by engine knock and send a signal to the computer to retard ignition timing.

FAILURE SYMPTOMS

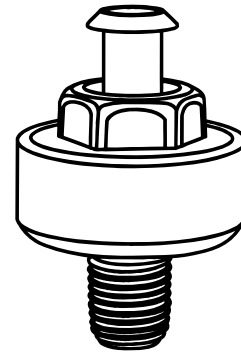
Engine knock, loss of power, MIL light.

MAINTENANCE/SERVICE

Check connection and signal from sensor when complaints of engine knock are present.

LOCATION

On engine block or head.



YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
ACURA				
4 CYL.				
1993-1992	1.7L (B1781) 102"	Integra	30530-PV1-A01	29013
1998-1994	1.8L (B18C1) 110"	Integra	30530-PV1-A01	29013
AUDI				
4 CYL.				
1990	2.0L (3A) 121"	80, 80 Quattro	0-261-231-036	29001
1996-1995	2.2L (AAN) 136"	S6	0-261-231-038	29006
1994-1992	2.2L (AAN) 136"	S4	0-261-231-038	29006
5 CYL.				
1992	2.3L (NG) 141"	80	0-261-231-036	29001
1991-1990	2.3L (NG) 141"	90	0-261-231-036	29001
1990	2.3L (NG) 141"	80 Quattro (Exc.Cal.)	0-261-231-038	29006
1990	2.3L (NG) 141"	80, 80 Quattro	0-261-231-036	29001
6 CYL.				
1996	2.8L (AFC) 169"	A4	0-261-231-036	29001
1996-1995	2.8L (AFC,AAH) 169"	A6	0-261-231-036	29001
1995	2.8L (AFC) 169"	Cabrio	0-261-231-038	29006
1995-1994	2.8L (AFC, AAH) 169"	Cabrio	0-261-231-036	29001
1995-1993	2.8L (AFC,AAH) 169"	90 Quattro	0-261-231-038	29006
1995-1993	2.8L (AFC,AAH) 169"	90, 90 Quattro	0-261-231-036	29001
1994-1992	2.8L (AAH) 169"	100, 100 Quattro	0-261-231-036	29001

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YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
AUDI (Cont'd)				
8 CYL.				
1991-1990	3.6L (PT) 217"	V8 Quattro (AT,8/89 on)	0-261-231-038	29006
1990	3.6L (PT) 217"	V8 Quattro (7/89 To 8/89,AT)	0-261-231-004	29002
BUICK				
4 CYL.				
1986-1984	1.8L (J) 112"	Skyhawk	1997690,10497170	29018
1987	2.0L (M) 122"	Skyhawk	1997690,10497170	29018
1996	2.2L (4) 134"	Century	10456209	29027
1995-1994	2.2L (4) 134"	Century	10456001	29031
1995	2.3L (D) 138"	Skylark	1997562,10456017,10456287	29014
1994-1993	2.3L (3) 138"	Skylark	1997562,10456017,10456287	29014
1992-1988	2.3L (D,3) 138"	Skylark	10456019	29015
1998-1996	2.4L (T) 146"	Skylark	10456209	29027
6 CYL.				
1989-1988	2.8L (W) 173"	Regal	10456208,10497163	29015
1989-1987	2.8L (W) 173"	Century	10456208,10497163	29015
1988-1985	3.0L (L) 181"	Skylark, Somerset	1997562,10456017,10456287	29014
1985	3.0L (E) 181"	Electra	1997562,10456017,10456287	29014
1985-1984	3.0L (E) 181"	Century	1997562,10456017,10456287	29014
1999-1996	3.1L (M) 191"	Century, Regal	10456238	29028
1998-1996	3.1L (M) 191"	Skylark	10456238	29028
1995-1994	3.1L (M) 191"	Century, Regal, Skylark	10456208,10497163	29015
1993-1989	3.1L (T) 191"	Regal	10456208,10497163	29015
1991-1990	3.1L (T) 191"	Century, Regal (H.O.)	10456019	29015
1993-1989	3.3L (N) 204"	Century, Skylark	10456019	29015
1999-1996	3.8L (K,1) 231"	LeSabre, Park Avenue, Regal, Riviera	10456215	29026
1995	3.8L (K,1) 231"	Park Avenue, Riviera	10456206	29015
1995-1994	3.8L (L) 231"	Regal	10456204	29032
1994-1993	3.8L (L) 231"	LeSabre, Regal	10456019	29015
1994-1992	3.8L (L,1) 231"	Park Avenue	10456019	29015
1993-1992	3.8L (L) 231"	Park Avenue, Regal	10456019	29015
1993-1991	3.8L (L) 231"	Riviera	10456019	29015
1992	3.8L (L) 231"	LeSabre	10456019	29015
1992-1990	3.8L (L) 231"	Regal	10456019	29015
1991	3.8L (L,1) 231"	Park Avenue	10456019	29015
1991	3.8L (L) 231"	Reatta	10456019	29015
1991	3.8L (C) 231"	LeSabre	10456019	29015
1990-1988	3.8L (C) 231"	LeSabre, Park Avenue, Reatta, Riviera	10456019	29015
1988-1987	3.8L (3) 231"	Electra, Riviera	1997562,10456017,10456287	29014
1988-1984	3.8L (B,3) 231"	Century, LeSabre	1997562,10456017,10456287	29014
1986	3.8L (B) 231"	LeSabre, Electra, Riviera	1997562,10456017,10456287	29014
1985	3.8L (3) 231"	Electra	1997562,10456017,10456287	29014
1982-1981	3.8L (3) 231"	Regal, Riviera	1997463	29017
1980-1979	3.8L (3) 231"	Century, LeSabre, Regal, Riviera	1997463	29017
1978	3.8L (3) 231"	LeSabre, Regal	1997463	29017
1982	4.1L (4) 252"	Electra, LeSabre, Regal, Riviera	1997463	29017
1981	4.1L (4) 252"	Electra, LeSabre, Riviera	1997463	29017
8 CYL.				
1992-1991	5.0L (E) 305"	Roadmaster	1997562,10456017,10456287	29014
1996	5.7L (P) 350"	Roadmaster	1997562,10456017,10456287	29014
1995-1994	5.7L (P) 350"	Roadmaster	10456126	29020
1993-1992	5.7L (7) 350"	Roadmaster	1997699,10456018,10456288	29016

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
CADILLAC				
6 CYL.				
1988-1987	2.8L (W) 173"	Cimarron	10456208,10497163	29015
1999-1997	3.0L (R) 181"	Catera (2 Req)	90541521	29040
1981	4.1L (4) 252"	DeVille, Eldorado, Fleetwood Brougham, Seville	1997463	29017
8 CYL.				
1999-1996	4.6L (Y,9) 279"	Concours, DeVille, Eldorado, Seville	10456222	29029
1995-1994	4.6L (Y,9) 279"	DeVille, Eldorado, Seville	10456208,10497163	29015
1993	4.6L (9) 279"	Allante, Eldorado, Seville	10456208,10497163	29015
1992-1991	5.0L (E) 305"	Brougham	1997562,10456017,10456287	29014
1990-1988	5.0L (Y,9) 307"	Brougham	10456019	29015
1996	5.7L (P) 350"	Commercial Chassis, Fleetwood Brougham, Limo	1997562,10456017,10456287	29014
1995-1994	5.7L (P) 350"	Commercial Chassis, Fleetwood Brougham, Limo	10456126	29020
1993	5.7L (7) 350"	Brougham, Limo	10456031,10456549	29019
1992-1990	5.7L (7) 350"	Brougham	1997699,10456018,10456288	29016
CHEVROLET				
4 CYL.				
1999-1996	2.2L (4) 133"	Cavalier	10456209	29027
1996	2.2L (4) 133"	Beretta, Corsica	10456209	29027
1995-1994	2.2L (4) 133"	Beretta, Cavalier, Corsica	10456001	29031
1995	2.3L (D) 140"	Cavalier	1997562,10456017,10456287	29014
1994	2.3L (A) 140"	Beretta (MT)	1997562,10456017,10456287	29014
1993	2.3L (A) 140"	Beretta	1997562,10456017,10456287	29014
1992-1990	2.3L (A) 140"	Beretta, Corsica	10456019	29015
1998-1997	2.4L (T) 146"	Malibu	10456209	29027
1998-1996	2.4L (T) 146"	Cavalier	10456209	29027
6 CYL.				
1989-1987	2.8L (W) 173"	Beretta, Cavalier, Celebrity, Corsica	10456208,10497163	29015
1999-1997	3.1L (M) 191"	Malibu	10456238	29028
1999-1996	3.1L (M) 191"	Lumina, Monte Carlo	10456238	29028
1996	3.1L (M) 191"	Beretta, Corsica (AT)	10456238	29028
1995	3.1L (M) 191"	Lumina, Monte Carlo	10456208,10497163	29015
1995-1994	3.1L (M) 191"	Beretta, Corsica (AT)	10456208,10497163	29015
1994-1990	3.1L (T) 191"	Cavalier, Lumina	10456208,10497163	29015
1993	3.1L (T) 191"	Beretta, Corsica	10456208,10497163	29015
1993	3.1L (W) 191"	Lumina	10456208,10497163	29015
1992-1990	3.1L (T) 191"	Beretta, Camaro, Corsica, Lumina	10456019,10456208,10497163	29015
1990	3.1L (T) 191"	Celebrity	10456208,10497163	29015
1997-1996	3.4L (X) 207"	Lumina, Monte Carlo	10456238	29028
1999-1998	3.8L (K) 231"	Lumina, Monte Carlo	10456215	29026
1999-1996	3.8L (K) 231"	Camaro	10456215	29026
1981-1980	3.8L (3) 231"	Monte Carlo (Turbo)	1997463	29017
1995-1994	4.3L (W) 262"	Caprice	10456126	29020
1993-1992	4.3L (2) 262"	Caprice	1997699,10456018,10456288	29016
1990-1985	4.3L (Z) 262"	Caprice, Monte Carlo, Impala	1997699,10456018,10456288	29016
8 CYL.				
1996	4.3L (W) 265"	Caprice	1997562,10456017,10456287	29014
1980	4.9L (T) 301"	Camaro	1997463	29017
1993-1991	5.0L (E) 305"	Caprice	1997562,10456017,10456287	29014
1992-1991	5.0L (F) 305"	Camaro	10456126	29020
1992-1990	5.0L (E) 305"	Camaro	1997562,10456017,10456287	29014

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YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
CHEVROLET 8 CYL. (Cont'd)				
1990	5.0L (F) 305"	Camaro	10456019	29015
1990-1989	5.0L (E) 305"	Caprice	1997562,10456017,10456287	29014
1990-1988	5.0L (Y) 307"	Caprice	10456019	29015
1989-1988	5.0L (E,F) 305"	Camaro	1997562,10456017,10456287	29014
1988-1985	5.0L (G,H) 305"	Monte Carlo, El Camino	1997562,10456017,10456287	29014
1987	5.0L (F,H) 305"	Camaro	1997562,10456017,10456287	29014
1986-1983	5.0L (F) 305"	Camaro	1997562,10456017,10456287	29014
1983	5.0L (H,S) 305"	Monte Carlo, El Camino	1997562,10456017,10456287	29014
1982	5.0L (7) 305"	Camaro	1997463	29017
1998	5.7L (G) 350"	Camaro, Corvette (w/Locating Tab, 1st Design)	10456222	29029
1997-1996	5.7L (P) 350"	Camaro	1997562,10456017,10456287	29014
1996	5.7L (J,P) 350"	Caprice, Impala SS	1997562,10456017,10456287	29014
1996-1993	5.7L (J,P) 350"	Corvette	1997562,10456017,10456287	29014
1995	5.7L (P) 350"	Impala SS	10456126	29020
1995-1994	5.7L (P) 350"	Caprice	10456126	29020
1995-1993	5.7L (P) 350"	Camaro	10456126	29020
1995-1992	5.7L (P) 350"	Corvette	10456126	29020
1993-1991	5.7L (7) 350"	Caprice	1997699,10456018,10456288	29016
1992-1990	5.7L (8) 350"	Camaro	10456031,10456549	29019
1991-1990	5.7L (8) 350"	Corvette	10456031,10456549	29019
1990	5.7L (J) 350"	Corvette (Button Types 1/4"18 Thread)	10456075	29036
1989-1987	5.7L (8) 350"	Camaro, Corvette	1997699,10456018,10456288	29016
1986-1984	5.7L (8) 350"	Corvette	1997562,10456017,10456287	29014
1982	5.7L (8) 350"	Corvette	1997463	29017
CHEVROLET TRUCK				
4 CYL.				
1999-1996	2.2L (4) 133"	S, T Series	10456209	29027
6 CYL.				
1991	2.8L (R) 173"	S, T Blazer	1997562,10456017,10456287	29014
1990-1986	2.8L (R) 173"	S, T Blazer	1997562,10456017,10456287	29014
1995-1990	3.1L (D) 191"	Lumina APV	1997562,10456017,10456287	29014
1996	3.4L (E) 207"	Lumina APV	10456238	29028
1995	3.8L (L) 231"	Lumina APV	10456204	29032
1994-1992	3.8L (L) 231"	Lumina APV	10456019	29015
1999	4.3L (W) 262"	Sierra	10456075	29036
1999	4.3L (W) 262"	Sierra	10456075	29036
1999-1996	4.3L (W) 262"	G Van, Astro (Button Types 1/4"18 Thread)	10456075	29036
1999-1996	4.3L (W,X) 262"	S, T Pickup (Button Types 1/4"18 Thread)	10456075	29036
1999-1996	4.3L (W) 262"	P30 (w/AT,(MTI) (Button Types 1/4"18 Thread)	10456075	29036
1998-1996	4.3L (W) 262"	C, K Pickup (Button Types 1/4"18 Thread)	10456075	29036
1995	4.3L (Z) 262"	P30 Commercial (w/3/8-16 Mounts to Back of Engine)	10456082	29035
1995-1994	4.3L (Z) 262"	C, K Pickup (w/3/8-16 Straight Thread)	10456082	29035
1995-1994	4.3L (W) 262"	L, M Van (w/3/8-16 Straight Thread)	10456082	29035
1995-1994	4.3L (Z) 262"	C, K (w/3/8"18 Pipe Thread)	10456146	29034
1995-1992	4.3L (W,Z) 262"	Astro, S, T (w/3/8"18 Pipe Thread)	10456146	29034
1994	4.3L (W) 262"	L, M Van (w/3/8-16 mounts to Back of Engine)	10456082	29035
1994	4.3L (Z) 262"	P30 (w/3/8"18 Pipe Thread)	10456146	29034
1994-1993	4.3L (Z) 262"	S,T Pickup (w/3/8-16 Mounts RR of RH Head)	10456082	29035

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
CHEVROLET TRUCK 6 CYL. (Cont'd)				
1994-1992	4.3L (Z) 262"	G1, 2, 3	10456031,10456549	29019
1994-1992	4.3L (W) 262"	S,T Pickup (w/3/8-16 Mounts RR of RH Head)	10456082	29035
1994-1991	4.3L (Z) 262"	P3, Commercial Van (AT)	10456031,10456549	29019
1994-1991	4.3L (Z) 262"	P3 Commercial	1997699,10456018,10456288	29016
1993	4.3L (Z) 262"	Astro	10456031,10456549	29019
1993-1992	4.3L (Z) 262"	C1, 2, 3, K 1, 2, 3	10456031,10456549	29019
1993-1992	4.3L (Z) 262"	C1, 2, 3, K, 1, 2, 3, Pickup, Blazer	1997699,10456018,10456288	29016
1992	4.3L (W) 262"	Astro (AT)	10456031,10456549	29019
1992	4.3L (W) 262"	Astro	1997699,10456018,10456288	29016
1992-1991	4.3L (Z) 262"	Astro, S, T	1997699,10456018,10456288	29016
1991	4.3L (Z) 262"	G1, 2, 3 Van (AT)	1997699,10456018,10456288	29016
1991	4.3L (Z) 262"	P3 Commercial (MT)	1997699,10456018,10456288	29016
1990	4.3L (Z) 262"	F, C (MT,Commercial)	1997699,10456018,10456288	29016
1990	4.3L (B,Z) 262"	Astro	1997699,10456018,10456288	29016
1990-1988	4.3L (Z) 262"	Blazer	1997699,10456018,10456288	29016
1990-1987	4.3L (Z) 262"	G1, 2, 3 Van	1997699,10456018,10456288	29016
1989-1985	4.3L (M,N) 262"	M Van	1997699,10456018,10456288	29016
1987-1980	4.3L (Z) 262"	R1, 2, 3, V1, 2, 3, Pickup, Blazer, Suburban	1997699,10456018,10456288	29016
1986	4.3L (Z) 262"	C, K, Pickup, Blazer	1997699,10456018,10456288	29016
1986-1985	4.3L (N) 262"	Blazer, C, G, K Series	1997699,10456018,10456288	29016
1986-1985	4.3L (N) 262"	G1, 2, 3 Van	1997562,10456017,10456287	29014
8 CYL.				
1999-1996	5.0L (M) 305"	G1 Van	1997562,10456017,10456287	29014
1996	5.0L (M) 305"	C1, 2, K 1, 2	1997562,10456017,10456287	29014
1995-1993	5.0L (H) 305"	C, K, G Series (AT)	10456019	29015
1995-1993	5.0L (H) 305"	C1, 2, K 1, 2	1997562,10456017,10456287	29014
1992	5.0L (H) 305"	C1, 2, K, 1, 2 Pickup, G1, 2 Van	1997562,10456017,10456287	29014
1991-1987	5.0L (H) 305"	G1, 2 Van	1997562,10456017,10456287	29014
1987	5.0L (H) 305"	R1, 2, V1, 2 Pickup	1997562,10456017,10456287	29014
1986-1985	5.0L (H) 305"	C1, 2, K 1, 2 Pickup, G1, 2 Van	1997562,10456017,10456287	29014
1982-1981	5.0L (F,H) 305"	Blazer, C, G, K Series, El Camino	1997463	29017
1999-1997	5.7L (R) 350"	C1, 2, 3, K 1, 2, 3, Pickup, Blazer, Tahoe	1997699,10456018,10456288	29016
1999-1996	5.7L (R) 350"	G1, 2, 3 Van, Express, P3 Commercial	1997699,10456018,10456288	29016
1996	5.7L (K) 350"	G3	10456031,10456549	29019
1996	5.7L (R) 350"	C1, 2, 3, K 1, 2, 3, Pickup, Blazer	1997699,10456018,10456288	29016
1996-1991	5.7L (K) 350"	P3, Commercial Van (AT)	10456031,10456549	29019
1995-1994	5.7L (K) 350"	C1, 2, 3, K 1, 2, 3, Pickup, Blazer (MT,MG5)	1997699,10456018,10456288	29016
1995-1993	5.7L (K) 350"	G1,2,3	10456031,10456549	29019
1995-1992	5.7L (K) 350"	C1, 2, 3, K 1, 2, 3 (AT)	10456031,10456549	29019
1995-1992	5.7L (K) 350"	P3 Commercial (MT)	1997699,10456018,10456288	29016
1993-1992	5.7L (K) 350"	C1, 2, 3, K 1, 2, 3, (AT,MD8) (MT,MG5)	1997699,10456018,10456288	29016
1992	5.7L (K) 350"	G3 (AT,4 Spd.)	10456031,10456549	29019
1992-1991	5.7L (K) 350"	G1, 2, 3 Van (AT)	1997699,10456018,10456288	29016
1991	5.7L (K) 350"	G3, C, K, Blazer (AT)	10456031,10456549	29019
1991	5.7L (K) 350"	R1, V1, Pickup, Blazer, Suburban	1997699,10456018,10456288	29016
1991	5.7L (K) 350"	R3, V3, (MT) Pickup, Blazer, Suburban	1997699,10456018,10456288	29016
1991	5.7L (K) 350"	P3 Commercial (MT)	1997699,10456018,10456288	29016
1990-1987	5.7L (K) 350"	Blazer, G1, 2 Van, F, C Commercial, R1, 2, 3, Suburban, V1, 2, 3	1997699,10456018,10456288	29016
1996	6.0L (P) 366"	P7, B7, Topkick, Kodiak	1997699,10456018,10456288	29016
1996-1993	6.0L (P) 366"	B7	1997699,10456018,10456288	29016
1996-1992	6.0L (P) 366"	P6	1997699,10456018,10456288	29016

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YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
CHEVROLET TRUCK 8 CYL. (Cont'd)				
1996-1990	6.0L (P) 366"	C5, 6, 7	1997699,10456018,10456288	29016
1996	7.0L (M) 427"	P7, B7, Topkick, Kodiak	1997699,10456018,10456288	29016
1996-1994	7.0L (M) 427"	B7	1997699,10456018,10456288	29016
1996-1990	7.0L (M) 427"	C5, 6, 7	1997699,10456018,10456288	29016
1999	7.4L (J) 454"	P3 Commercial (AT,2 Req)	10456232	29033
1999-1996	7.4L (J) 454"	C2, 3, K2, 3, Suburban, G3, P3 Commercial (2 Req)	10456232	29033
1998	7.4L (J) 454"	P3 Commercial (AT,Exc.Leaded Fuel Compatable,2 Req)	10456232	29033
1997-1991	7.4L (N) 454"	P3, Commercial Van	10456031,10456549	29019
1996	7.4L (N) 454"	G3	10456031,10456549	29019
1995-1994	7.4L (N) 454"	C1, 2, 3, K 1, 2, 3	10456031,10456549	29019
1995-1993	7.4L (N) 454"	G1, 2, 3	10456031,10456549	29019
1993-1992	7.4L (N) 454"	C1, 2, 3, K 1, 2, 3 (AT)	10456031,10456549	29019
1993-1992	7.4L (N) 454"	C1, 2, 3, K 1, 2, 3, (AT,MD8) (MT,MG5)	1997699,10456018,10456288	29016
1992	7.4L (N) 454"	G3 (AT,4 Spd.)	10456031,10456549	29019
1991	7.4L (N) 454"	G3, C, K, Blazer	10456031,10456549	29019
1991	7.4L (N) 454"	R3, V3, (MT) Pickup, Blazer, Suburban	1997699,10456018,10456288	29016
1990-1987	7.4L (N) 454"	Blazer, G1, 2, 3 Van, R1, 2, 3, Suburban, V1, 2, 3	1997699,10456018,10456288	29016
CHRYSLER				
4 CYL.				
1998-1996	2.0L (Y) 122"	Sebring	4605122	29065
1998-1995	2.0L (Y) 122"	Sebring	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1997-1996	2.0L (F,Y) 122"	Sebring	MD300670	29025
1996-1995	2.0L (Y) 122"	Sebring	4557667	29066
1996-1995	2.0L (Y) 122"	Cirrus	4605122	29065
1993	2.2L (A) 135"	LeBaron, Daytona	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1989	2.2L (P,R) 135"	TC by Maserati	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1998-1996	2.4L (X) 148"	Sebring	4605122	29065
1998-1996	2.4L (X) 148"	Sebring	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1998-1995	2.4L (X) 148"	Cirrus	4605122	29065
1996	2.4L (X) 148"	Sebring	4557667	29066
1995-1992	2.5L (B,J,K) 153"	LeBaron	4111526,4318118,4686044,4700044, 5213629,5226029	29023
6 CYL.				
1998	2.5L (H) 152"	Sebring	4605122	29065
1998-1996	2.5L (H) 152"	Sebring	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1998-1995	2.5L (N) 152"	Sebring	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1997-1996	2.5L (N) 152"	Sebring	MD300670	29025
1995	2.5L (H) 152"	LeBaron	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1995-1992	3.0L (3) 181"	LeBaron	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1997-1993	3.3L (T) 201"	Concorde, LHS	4653069	29064
1993	3.3L (R) 201"	Fifth Avenue, New Yorker	4653069	29064
1993-1992	3.3L (R) 201"	Imperial, New Yorker	4728369,5234911	29024
1998	3.5L (G) 215"	Concorde, LHS	4606093	29054
1997-1993	3.5L (F) 215"	Concorde, LHS	4653069	29064

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
CHRYSLER 6 CYL. (Cont'd)				
1996-1994	3.5L (F) 215"	New Yorker	4653069	29064
1993	3.8L (L) 231"	Fifth Avenue	4653069	29064
1993-1992	3.8L (L) 231"	Imperial, New Yorker	4728369,5234911	29024
1991-1980	All	All	4111526,4318118,4686044,4700044, 5213629,5226029	29023
8 CYL.				
1991-1980	All	All	4111526,4318118,4686044,4700044, 5213629,5226029	29023
CHRYSLER TRUCK				
4 CYL.				
1995-1992	2.5L (K) 153"	Town & Country	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1988-1984	All	Town & Country	4111526,4318118,4686044,4700044, 5213629,5226029	29023
6 CYL.				
1998	3.3L (R) 201"	Town & Country	4686362AB	29055
1998	3.8L (L) 229"	Town & Country	4686362AB	29055
1991-1989	All	Town & Country	4111526,4115029,4318118,4686044, 4700044,5213629	29023
DODGE				
4 CYL.				
1998	1.8L (A) 110"	Neon	4557667	29066
1998-1995	2.0L (C,Y) 122"	Neon	4557667	29066
1998-1995	2.0L (C) 122"	Stratus	4605122	29065
1997-1995	2.0L (F,Y) 122"	Avenger	MD300670	29025
1996-1995	2.0L (Y) 122"	Avenger	4557667	29066
1995-1992	2.2L (D) 135"	Spirit, Shadow	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1998-1995	2.4L (X) 148"	Stratus	4605122	29065
1995-1992	2.5L (B,K) 152"	Spirit, Shadow	4111526,4318118,4686044,4700044, 5213629,5226029	29023
6 CYL.				
1998	2.5L (H) 152"	Stratus	4605122	29065
1997-1995	2.5L (N) 152"	Avenger	MD300670	29025
1995-1992	3.0L (3) 181"	Spirit, Shadow	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1998	3.2L (J) 196"	Intrepid	4606093	29054
1997-1993	3.3L (T) 201"	Intrepid	4653069	29064
1993-1992	3.3L (R) 201"	Dynasty	4728369,5234911	29024
1997-1993	3.5L (C) 213"	Intrepid	4653069	29064
1991-1980	All	All	4111526,4318118,4686044,4700044, 5213629,5226029	29023
8 CYL.				
1991-1980	All	All	4111526,4318118,4686044,4700044, 5213629,5226029	29023
DODGE TRUCK				
4 CYL.				
1998-1997	2.4L (B) 148"	Caravan, Grand Caravan	4557667	29066
1995-1992	2.5L (K) 153"	Caravan	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1991-1984	All	Caravan	4111526,4318118,4686044,4700044, 5213629,5226029	29023

KNOCK SENSORS

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
DODGE TRUCK (Cont'd)				
6 CYL.				
1998	3.3L (R)201"	Caravan, Grand Caravan	4686362AB	29055
1997-1996	3.3L (R) 201"	Caravan, Grand Caravan	4686135,4686243	29063
1998	3.8L (L) 229"	Caravan, Grand Caravan	4686362AB	29055
1997-1996	3.8L (L) 229"	Caravan, Grand Caravan	4686135,4686243	29063
1991-1984	All	Caravan	4111526,4318118,4686044,4700044, 5213629,5226029	29023
EAGLE				
4 CYL.				
1998-1995	2.0L (Y) 122"	Talon	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1997-1995	2.0L (F,Y) 122"	Talon	MD300670	29025
1997-1995	2.0L (F) 122"	Talon	4557667	29066
6 CYL.				
1997-1993	3.3L (T) 201"	Vision	4653069	29064
1997-1993	3.5L (C) 215"	Vision	4653069	29064
FORD				
4 CYL.				
1999-1998	2.0L (P,3) 121"	Escort	F6RZ-12A699DA	29048
1999-1996	2.0L (Z,3) 121"	Contour	F6RZ-12A699DA	29048
1998	2.0L (P,3) 121"	Escort	F8CF-12A699AC,F8CZ-AA	29061
1992-1989	2.2L (L) 133"	Probe (Turbo)	E92Z-12A699A,F220-18-921	29053
1993-1987	2.3L (A,S,,X) 140"	Mustang	E3ZZ-12A699A	29022
1989-1983	2.3L (T,W) 140"	Mustang (Turbo)	E3ZZ-12A699A	29022
1988-1983	2.3L (T,W) 140"	Thunderbird (Turbo)	E3ZZ-12A699A	29022
1999-1997	2.5L (L) 152"	Contour	E6RZ-12A699AA,F7RZ-AA	29046
1997-1993	2.5L (B) 152"	Probe	F32Z-12A699A	29051
6 CYL.				
1999-1996	3.0L (S) 182"	Taurus	F5DF-12A699AB,F6DF-AA,F6DZ-A	29060
1995-1989	3.8L (R) 232"	Thunderbird (SC)	E9SZ-12A699A,B,F3LY-A	29059
8 CYL.				
1999-1996	3.4L (N) 208"	Taurus (SHO)	F5DF-12A699AB,F6DF-AA,F6DZ-A	29060
1998-1996	4.6L (V) 281"	Mustang	F50Y-12A699A,F65F-AA,F65Z-AA	29049
1987-1986	5.0L (F) 302"	Mustang (AT)	E3AF-12A699AA,E3AZ-A	29021
1991	5.8L (W) 350"	Crown Victoria (A.O.D.)	E3AF-12A699AA,E3AZ-A	29021
1990-1981	5.8L (W) 350"	Crown Victoria	E3AF-12A699AA,E3AZ-A	29021
FORD TRUCK				
4 CYL.				
1987-1986	2.3L (A) 140"	Aerostar	E3ZZ-12A699A	29022
1985	2.3L (A) 140"	Bronco II, Ranger	E3ZZ-12A699A	29022
6 CYL.				
1989-1986	2.8L (S) 171"	Aerostar	E3ZZ-12A699A	29022
1986	2.8L (S) 171"	Aerostar (w/M10 X 1.5 Thread)	E5TF-12A699AA,E5TZ-A	29045
1985	2.8L (S) 171"	Bronco II, Ranger (w/M10 X 1.5 Thread)	E5TF-12A699AA,E5TZ-A	29045
1985	2.8L (S) 171"	Bronco II, Ranger	E3ZZ-12A699A	29022
1985-1984	2.8L (S) 171"	Bronco II (w/M12 X1.5 Thread)	E3TF-12A699AA,E3TZ-A	29044
1984-1983	2.8L (S) 171"	Ranger (w/M12 X 1.5 Thread)	E3TF-12A699AA,E3TZ-A	29044
1992-1990	2.9L (T) 177"	Ranger	E6TF-12A699A,E6TZ-A,E67F-AA	29043
1990	2.9L (T) 177"	Bronco II	E6TF-12A699A,E6TZ-A,E67F-AA	29043
1987-1986	2.9L (T) 177"	Bronco II, Ranger	E6TF-12A699A,E6TZ-A,E67F-AA	29043
1998-1997	4.0L (E) 245"	Explorer	F77Z-12A699BA	29050

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
FORD TRUCK 6 CYL. (Cont'd)				
1998-1997	4.0L (X) 245"	Explorer	F77Z-12A699AA	29047
1996-1991	4.0L (X) 245"	Explorer	E6TF-12A699A,E6TZ-A,E67F-AA	29043
1998-1997	4.2L (Z) 256"	E, F Series	F50Y-12A699A,F65F-AA,F65Z-AA	29049
1990-1987	4.9L (Y) 300"	Bronco, E, F Series	E7TF-12A699A2A,E7TZ-A,F0TZ-A	29042
1989-1987	4.9L (Y) 300"	Bronco, E, F Series	E3ZZ-12A699A	29022
8 CYL.				
1998	4.6L (W,6) 281"	Expedition, F Series	F6ZF-12A699AA,F6ZZ-AA	29052
1998-1997	4.6L (6) 281"	E Series	F6ZF-12A699AA,F6ZZ-AA	29052
1997	4.6L (W) 281"	F Series	F50Y-12A699A,F65F-AA,F65Z-AA	29049
1997	4.6L (6) 281"	Expedition	F6ZF-12A699AA,F6ZZ-AA	29052
1996-1986	5.0L (N) 302"	Bronco, E150, 250, F150, 250	E3AF-12A699AA,E3AZ-A	29021
1999	5.4L (L,M) 330"	F250 (Super Duty), E350	F77Z-12A699A,AA	29047
1998-1997	5.4L (L,M) 330"	E, F Series, Expedition	F77Z-12A699A,AA	29047
1998-1997	5.4L (L,N) 330"	E, F Series	F77Z-12A699AA	29047
10 CYL.				
1998-1997	6.8L (S) 416"	E350	F77Z-12A699A,AA	29047
GEO				
4 CYL.				
1992	1.6L (5) 98"	Prizm	94851941	29038
1991-1990	1.6L (5) 98"	Prizm	94850211	29039
1996-1993	1.8L (8) 110"	Prizm	94854346	29037
GMC TRUCK				
4 CYL.				
1999-1996	2.2L (4) 133"	S, T Series, Sonoma	10456209	29027
6 CYL.				
1990-1986	2.8L (R) 173"	S, T Blazer	1997562,10456017,10456287	29014
1999	4.3L (W) 262"	Silverado	10456075	29036
1999-1996	4.3L (W) 262"	G Van, Safari (Button Types 1/4"18 Thread)	10456075	29036
1999-1996	4.3L (W,X) 262"	S, T Pickup (Button Types 1/4"18 Thread)	10456075	29036
1999-1996	4.3L (W) 262"	P30 (w/AT,(MTI) (Button Types 1/4"18 Thread)	10456075	29036
1998-1996	4.3L (W) 262"	C, K Pickup (Button Types 1/4"18 Thread)	10456075	29036
1995	4.3L (Z) 267"	P30 Commercial (w/3/8-16 Mounts to Back of Engine)	10456082	29035
1995-1994	4.3L (Z) 262"	C, K Pickup (w/3/8-16 Straight Thread)	10456082	29035
1995-1994	4.3L (W) 262"	L, M Van (w/3/8-16 Straight Thread)	10456082	29035
1995-1994	4.3L (Z) 262"	C, K (w/3/8"18 Pipe Thread)	10456146	29034
1995-1992	4.3L (W,Z) 262"	Safari, S, T (w/3/8"18 Pipe Thread)	10456146	29034
1994	4.3L (W) 262"	L, M Van (w/3/8-16 Mounts to Back of Engine)	10456082	29035
1994	4.3L (Z) 262"	P30 (w/3/8"18 Pipe Thread)	10456146	29034
1994-1993	4.3L (Z) 262"	S, T Pickup (w/3/8-16 Mounts RR of RH Head)	10456082	29035
1994-1992	4.3L (Z) 262"	G1, 2, 3	10456031,10456549	29019
1994-1992	4.3L (W) 262"	S, T Pickup (w/3/8-16 Mounts RR of RH Head)	10456082	29035
1994-1991	4.3L (Z) 262"	P3 Commercial Van (AT)	10456031,10456549	29019
1994-1991	4.3L (Z) 262"	P3 Commercial	1997699,10456018,10456288	29016
1993	4.3L (Z) 262"	Safari	10456031,10456549	29019
1993-1992	4.3L (Z) 262"	C1, 2, 3, K, 1, 2, 3, Pickup	1997699,10456018,10456288	29016

KNOCK SENSORS

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
GMC TRUCK 6 CYL. (Cont'd)				
1992-1993	4.3L (Z) 262"	Typhoon	10456031,10456549	29019
1992	4.3L (W) 262"	Safari (AT)	10456031,10456549	29019
1992	4.3L (W) 262"	Safari	1997699,10456018,10456288	29016
1992-1991	4.3L (Z) 262"	Safari, S, T	1997699,10456018,10456288	29016
1991	4.3L (Z) 262"	Syclone	10456031,10456549	29019
1991	4.3L (Z) 262"	G1, 2, 3 Van (AT)	1997699,10456018,10456288	29016
1991	4.3L (Z) 262"	P3 Commercial (MT)	1997699,10456018,10456288	29016
1990	4.3L (Z) 262"	F, C (MT,Commercial)	1997699,10456018,10456288	29016
1990	4.3L (B,Z) 262"	Safari	1997699,10456018,10456288	29016
1990-1988	4.3L (Z) 262"	Jimmy	1997699,10456018,10456288	29016
1990-1987	4.3L (Z) 262"	G1, 2, 3 Van	1997699,10456018,10456288	29016
1989-1985	4.3L (M,N) 262"	M Van	1997699,10456018,10456288	29016
1987-1980	4.3L (Z) 262"	R1, 2, 3, V1, 2, 3, Pickup	1997699,10456018,10456288	29016
1986	4.3L (Z) 262"	C, K, Pickup	1997699,10456018,10456288	29016
1986-1985	4.3L (N) 262"	C, K Pickup, G1, 2, 3 Van	1997699,10456018,10456288	29016
1986-1985	4.3L (N) 262"	G1, 2, 3 Van	1997562,10456017,10456287	29014
1993-1992	4.3L (Z) 262"	C1, 2, 3, K 1, 2, 3	10456031,10456549	29019
8 CYL.				
1999-1997	5.0L (M) 305"	C1, 2, K1, 2 Pickup	1997562,10456017,10456287	29014
1999-1996	5.0L (M) 305"	Savana	1997562,10456017,10456287	29014
1996	5.0L (M) 305"	C1, 2, K 1, 2	1997562,10456017,10456287	29014
1995-1993	5.0L (H) 305"	C, K, G (AT)	10456019	29015
1995-1993	5.0L (H) 305"	C1, 2, K1, 2	1997562,10456017,10456287	29014
1992	5.0L (H) 305"	G1, 2 Van	1997562,10456017,10456287	29014
1992	5.0L (H) 305"	C1, 2, K1, 2 Pickup	1997562,10456017,10456287	29014
1991-1987	5.0L (H) 305"	G1, 2 Van	1997562,10456017,10456287	29014
1987	5.0L (H) 305"	R1, 2, V1, 2 Pickup	1997562,10456017,10456287	29014
1986-1985	5.0L (H) 305"	C1, 2, K1, 2 Pickup, G1, 2 Van	1997562,10456017,10456287	29014
1982-1981	5.0L (F,H) 305"	C, G, K, Jimmy	1997463	29017
1999-1997	5.7L (R) 350"	C1, 2, 3, K, 1, 2, 3, Yukon	1997699,10456018,10456288	29016
1999-1996	5.7L (R) 350"	G1, 2, 3 Van, P3 Commercial, Savana	1997699,10456018,10456288	29016
1996	5.7L (K) 350"	G3	10456031,10456549	29019
1996	5.7L (R) 350"	C1, 2, 3, K, 1, 2, 3, Pickup	1997699,10456018,10456288	29016
1996-1991	5.7L (K) 350"	P3, Commercial Van (AT)	10456031,10456549	29019
1995-1994	5.7L (K) 350"	C1, 2, 3, K, 1, 2, 3, Pickup	1997699,10456018,10456288	29016
1995-1994	5.7L (K) 350"	C1, 2, 3, K, 1, 2, 3 (MT,MG5)	1997699,10456018,10456288	29016
1995-1993	5.7L (K) 350"	G1, 2, 3	10456031,10456549	29019
1995-1992	5.7L (K) 350"	C1, 2, 3, K 1, 2, 3 (AT)	10456031,10456549	29019
1995-1992	5.7L (K) 350"	P3 Commercial (MT)	1997699,10456018,10456288	29016
1993-1992	5.7L (K) 350"	C1, 2, 3, K, 1, 2, 3, (AT,MD8) (MT,MG5)	1997699,10456018,10456288	29016
1992	5.7L (K) 350"	G3 (AT,4 Spd.)	10456031,10456549	29019
1992-1991	5.7L (K) 350"	G1, 2, 3 Van (AT)	1997699,10456018,10456288	29016
1991	5.7L (K) 350"	C, G3, K (AT)	10456031,10456549	29019
1991	5.7L (K) 350"	R1, V1, Pickup	1997699,10456018,10456288	29016
1991	5.7L (K) 350"	P3 Commercial, R3, V3, (MT) Pickup	1997699,10456018,10456288	29016
1990-1987	5.7L (K) 350"	G1, 2 Van, F, C Commercial, R1, 2, 3, V1, 2, 3, Pickup	1997699,10456018,10456288	29016
1996	6.0L (P) 366"	P7, B7, Topkick, Kodiak	1997699,10456018,10456288	29016
1996-1993	6.0L (P) 366"	B7	1997699,10456018,10456288	29016
1996-1992	6.0L (P) 366"	P6	1997699,10456018,10456288	29016
1996-1990	6.0L (P) 366"	C5, 6, 7	1997699,10456018,10456288	29016
1996	7.0L (M) 427"	P7, B7, Topkick, Kodiak	1997699,10456018,10456288	29016
1996-1994	7.0L (M) 427"	B7	1997699,10456018,10456288	29016

KNOCK SENSORS

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
GMC TRUCK 8 CYL. (Cont'd)				
1996-1990	7.0L (M) 427"	C5, 6, 7	1997699,10456018,10456288	29016
1999-1996	7.4L (J) 454"	C2, 3, K2, 3, Suburban, G3, P3 Commercial (2 Req)	10456232	29033
1998	7.4L (J) 454"	P3 Commercial (AT,Exc.Leaded Fuel Compatable,2 Req)	10456232	29033
1997-1991	7.4L (N) 454"	P3 Commercial Van	10456031,10456549	29019
1996	7.4L (N) 454"	G3	10456031,10456549	29019
1995-1994	7.4L (N) 454"	C1, 2, 3, K 1, 2, 3	10456031,10456549	29019
1995-1993	7.4L (N) 454"	G1, 2, 3	10456031,10456549	29019
1993-1992	7.4L (N) 454"	C1, 2, 3, K 1, 2, 3 (AT)	10456031,10456549	29019
1993-1992	7.4L (N) 454"	C1, 2, 3, K, 1, 2, 3, (AT,MD8) (MT,MG5)	1997699,10456018,10456288	29016
1992	7.4L (N) 454"	G3 (AT,4 Spd.)	10456031,10456549	29019
1991	7.4L (N) 454"	C, G3, K	10456031,10456549	29019
1991	7.4L (N) 454"	R3, V3, Pickup (MT)	1997699,10456018,10456288	29016
1990-1987	7.4L (N) 454"	R1, 2, 3, V1, 2, 3, Pickup, G1, 2, 3 Van	1997699,10456018,10456288	29016
HONDA				
4 CYL.				
1998-1996	1.6L (D16Y5, D16Y8) 97"	Civic Ex, Ex (ABS), Hx	30530-P2M-A01	29012
1997-1996	1.6L (B16A2) 97"	Del Sol Si	30530-P2M-A01	29012
1997-1994	1.6L (B16A2,3, D16Y8) 97"	Civic, Del Sol	30530-PV1-A01	29013
1996-1992	2.2L (F22A1) 132"	Prelude	30530-P91-A01	29013
1996-1992	2.3L (H23A1) 140"	Prelude	30530-P91-A01	29013
HONDA TRUCK				
6 CYL.				
1998-1996	3.2L (6VD1) 195"	Passport	8-10456-085-0	29011
HYUNDAI				
4 CYL.				
1996-1995	1.5L (N) 90"	Accent	39250-22010	29058
1998-1997	1.8L (M) 109"	Tiburon	39250-23010	29057
1998-1996	1.8L (M) 109"	Elantra	39250-23010	29057
1997	2.0L (F) 122"	Tiburon	39250-23010	29057
INFINITI				
4 CYL.				
1996-1991	2.0L (SR20DE) 123"	G20	22060-30P00	29000
6 CYL.				
1998-1996	3.0L (VQ30DE) 182"	I30	22060-30P00	29000
1997-1993	3.0L (VQ30DE) 182"	J30	22060-30P00	29000
1998-1997	3.3L (VG33E) 202"	QX4	22060-30P00	29000
8 CYL.				
1998-1997	4.1L (VQ45DE) 250"	Q45 (2 Req)	22060-30P00	29000
1996-1990	4.5L (VQ45DE) 275"	Q45 (2 Req)	22060-30P00	29000
ISUZU TRUCK				
4 CYL.				
1998-1997	2.2L (4) 133"	Hombre	10456209	29027
6 CYL.				
1997-1996	3.2L (6VD1) 195"	Trooper	8-10456-085-0	29011
1998-1997	4.3L (X) 262"	Hombre (Button Types 1/4"18 Thread)	8-10456-075-0	29036

KNOCK SENSORS

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
LINCOLN				
8 CYL.				
1999-1998	4.6L (W) 281"	Town Car	F77Z-12A699A,AA	29047
1999-1995	4.6L (V) 281"	Continental	F5OY-12A699A,F65F-AA,F65Z-AA	29049
1998-1996	4.6L (V) 281"	Mark	F5OY-12A699A,F65F-AA,F65Z-AA	29049
1995-1993	4.6L (V) 281"	Mark	F3LY-12A699A	29059
LINCOLN TRUCK				
8 CYL.				
1998	5.4L (L,M) 330"	Navigator	F77Z-12A699A,AA	29047
MERCURY				
4 CYL.				
2000	2.0L (3) 121"	Cougar	F6RZ-12A699DA	29048
1999-1998	2.0L (P) 121"	Tracer	F8CF-12A699AC,F8CZ-AA	29061
1998-1996	2.0L (3) 121"	Mystique	F6RZ-12A699DA	29048
1989-1985	2.3L (W) 140"	Merkur XR4TI (Turbo)	E3ZZ-12A699A	29022
1986-1984	2.3L (W) 140"	Cougar (Turbo)	E3ZZ-12A699A	29022
1986-1983	2.3L (W) 140"	Capri (Turbo & 5 Spd.MT)	E3ZZ-12A699A	29022
1999	2.5L (L) 155"	Cougar (To 5/25/99)	F6RZ-12A699DA	29048
1999-1997	2.5L (L) 155"	Mystique	E6RF-12A699AA,F6RZ-AA	29046
6 CYL.				
1999-1996	3.0L (S) 182"	Sable	F5DF-12A699AB,F6DF-AA,F6DZ-A	29060
1991-1989	3.8L (R) 232"	Cougar (SC)	E9SZ-12A699A,B	29059
8 CYL.				
1986	5.0L (F) 302"	Capri (AT)	E3AF-12A699AA,E3AZ-A	29021
1991-1983	5.8L (W) 350"	Grand Marquis	E3AF-12A699AA,E3AZ-A	29021
1982-1981	5.8L (W) 350"	Marquis	E3AF-12A699AA,E3AZ-A	29021
MERCURY TRUCK				
6 CYL.				
1998-1993	3.0L (W) 182"	Villager	F3XA-12A699AA,F3XY-A	29062
1998-1997	4.0L (E) 245"	Mountaineer	F77Z-12A699BA	29050
1998-1997	4.0L (X) 245"	Mountaineer	F77Z-12A699AA	29047
MITSUBISHI				
4 CYL.				
1997-1995	2.0L (F,Y) 122"	Eclipse	MD300670	29025
1997-1995	2.0L (C,Y) 122"	Eclipse	4557667	29066
NISSAN				
4 CYL.				
1996-1995	1.6L (GA16DE) 97"	Sentra	22060-05U00	29056
1998	2.0L (SRZODE) 122"	Sentra	22030-30P00	29062
1995-1998	2.0L (SR20DE) 122"	200SX	22060-30P00	29062
1994-1991	2.0L (SR2ODE) 122"	Sentra, NX	22060-30P00	29062
1998-1993	2.4L (KAZ4DE) 146"	Altima	22060-30P00	29062
1998-1991	2.4L (KAZ4DE) 146"	240SX	22060-30P00	29062
6 CYL.				
1998-1993	3.0L (VG30E) 181"	Quest	22060-30P00	29062
1998-1992	3.0L (VE30DE) 181"	Maxima	22060-30P00	29062
1996-1989	3.0L (VG30D, VG30D TT) 181"	300ZX	22060-30P00	29062

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
NISSAN TRUCK				
4 CYL.				
1998	2.4L (KA24DE) 146"	Frontier	22060-30P00	29062
6 CYL.				
1995-1996	3.0L (VG30E) 181"	Pickup Truck (MT,To1/96)	22060-30P00	29062
1995	3.0L (VG30E) 181"	Pathfinder (MT)	22060-30P00	29062
1994-1993	3.0L (VG30E) 181"	Pathfinder	22060-30P00	29062
1994-1990	3.0L (VG30E) 181"	Pickup Truck	22060-30P00	29062
1998-1996	3.3L (VG33E) 201"	Pathfinder	22060-30P00	29062
OLDSMOBILE				
4 CYL.				
1996	2.2L (4) 133"	Cutlass Ciera	10456209	29027
1995-1994	2.2L (4) 133"	Cutlass Ciera	10456001	29031
1995-1993	2.3L (A,D) 138"	Achieva	1997562,10456017,10456287	29014
1994-1993	2.3L (3) 138"	Achieva	1997562,10456017,10456287	29014
1992	2.3L (A,D,3) 138"	Achieva	10456019	29015
1992	2.3L (3) 138"	Achieva (MT)	10456208,10497163	29015
1991-1990	2.3L (A,D) 138"	Cutlass Supreme	10456019	29015
1991-1987	2.3L (D) 138"	Cutlass Calais	10456019	29015
1998-1996	2.4L (T) 146"	Achieva	10456209	29027
6 CYL.				
1989-1988	2.8L (W) 173"	Cutlass Ciera, Cutlass Supreme	10456208,10497163	29015
1988-1987	2.8L (W) 173"	Firenza	10456208,10497163	29015
1987	2.8L (W) 173"	Cutlass Ciera	10456208,10497163	29015
1988-1985	3.0L (L) 181"	Cutlass Calais, Calais	1997562,10456017,10456287	29014
1985	3.0L (E) 181"	Regency	1997562,10456017,10456287	29014
1985-1984	3.0L (E) 181"	Cutlass Ciera	1997562,10456017,10456287	29014
1999	3.1L (J) 191"	Achieva (w/Cal.Emission)	10456238	29028
1999	3.1L (M) 191"	Achieva (w/FED.Emission)	10456238	29028
1998-1997	3.1L (M) 191"	Achieva, Cutlass	10456238	29028
1996	3.1L (M) 191"	Achieva, Cutlass, Cutlass Ciera	10456238	29028
1995-1994	3.1L (M) 191"	Achieva, Cutlass Ciera, Cutlass Supreme	10456208,10497163	29015
1993	3.1L (M) 191"	Cutlass Supreme	10456208,10497163	29015
1993-1989	3.1L (T) 191"	Cutlass Supreme	10456208,10497163	29015
1993-1992	3.3L (N) 204"	Achieva, Cutlass Ciera	10456019	29015
1991-1989	3.3L (N) 204"	Cutlass Calais, Cutlass Ciera	10456019	29015
1999	3.4L (E) 207"	Alero	10456238	29028
1996	3.4L (X) 207"	Cutlass	10456238	29028
1999	3.5L (H) 214"	Intrigue	10456222	29029
1999-1998	3.8L (K) 231"	Intrigue	10456215	29026
1999-1996	3.8L (K,1) 231"	LSS, Regency, 88 Royale	10456215	29026
1995	3.8L (K,1) 231"	88 Royale , 98 Regency	10456206	29015
1994-1992	3.8L (C,L,1) 231"	88 Royale, 98 Regency	10456019	29015
1992-1991	3.8L (L) 231"	Toronado	10456019	29015
1991-1988	3.8L (C) 231"	88 Royale, 98 Regency	10456019	29015
1990-1988	3.8L (C) 231"	Toronado	10456019	29015
1988	3.8L (3) 231"	Delta 88	1997562,10456017,10456287	29014
1988-1986	3.8L (B,3) 231"	Cutlass Ciera	1997562,10456017,10456287	29014
1987-1986	3.8L (A,B,3) 231"	Delta 88, Ninety-Eight, Toronado	1997562,10456017,10456287	29014
1985	3.8L (3) 231"	Regency	1997562,10456017,10456287	29014
1985-1984	3.8L (3) 231"	Cutlass Ciera	1997562,10456017,10456287	29014
1981	3.8L (A) 231"	Cutlass, Delta 88	1997463	29017
1982-1981	4.1L (4) 252"	Ninety Eight, Toronado	1997463	29017

KNOCK SENSORS

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
OLDSMOBILE (Cont'd)				
8 CYL.				
1999-1996	4.0L (C) 244"	Aurora	10456222	29029
1995	4.0L (C) 244"	Aurora	10456208,10497163	29015
1992-1991	5.0L (E) 305"	88, Custom Cruiser	1997562,10456017,10456287	29014
1992	5.7L (7) 350"	88, Custom Cruiser	1997699,10456018,10456288	29016
OLDSMOBILE TRUCK				
6 CYL.				
1995-1990	3.1L (D) 191"	Silhouette	1997562,10456017,10456287	29014
1999-1996	3.4L (E) 207"	Silhouette	10456238	29028
1995	3.8L (L) 231"	Silhouette	10456204	29032
1994-1992	3.8L (L) 231"	Silhouette	10456019	29015
1999-1996	4.3L (W,X) 262"	Bravada (Button Types 1/4"18 Thread)	10456075	29036
1995	4.3L (W,Z) 262"	Bravada	10456146,D8003	29034
PEUGEOT				
4 CYL.				
1984	2.2L (7) 131"	505i	0-261-231-006	29030
PLYMOUTH				
4 CYL.				
1998-1996	2.0L (C) 122"	Breeze	4605122	29065
1998-1995	2.0L (C,Y) 122"	Neon	4557667	29066
1995-1992	2.2L (A) 135"	Acclaim, Sundance	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1998	2.4L (X) 148"	Breeze	4605122	29065
1995-1992	2.5L (B,K,J,H) 152"	Acclaim, Sundance	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1991-1980	All	All (Exc. Laser & Turbo)	4111526,4318118,4686044,4700044, 5213629,5226029	29023
6 CYL.				
1995-1992	3.0L (3) 181"	Acclaim, Sundance	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1991-1980	All	All (Exc. Laser & Turbo)	4111526,4318118,4686044,4700044, 5213629,5226029	29023
8 CYL.				
1991-1980	All	All (Exc. Laser & Turbo)	4111526,4318118,4686044,4700044, 5213629,5226029	29023
PLYMOUTH TRUCK				
4 CYL.				
1998-1997	2.4L (B) 148"	Grand Voyager, Voyager	4557667	29066
1995-1992	2.5L (K) 153"	Voyager	4111526,4318118,4686044,4700044, 5213629,5226029	29023
1991-1984	All	Voyager	4111526,4318118,4686044,4700044, 5213629,5226029	29023
6 CYL.				
1998	3.3L (R) 201"	Grand Voyager, Voyager	4686362AB	29055
1997-1996	3.3L (R) 201"	Grand Voyager, Voyager	4686135,4686243	29063
1997-1996	3.8L (L) 229"	Grand Voyager, Voyager	4686135,4686243	29063
1991-1984	All	Voyager	4111526,4115029,4318118,4686044, 4700044,5213629	29023

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
PONTIAC				
4 CYL.				
1986-1984	1.8L (J) 112"	Sunbird	1997690,10497170	29018
1990-1987	2.0L (M) 122"	Sunbird	1997690,10497170,D8001	29018
1989-1987	2.0L (M) 122"	Grand AM	1997690,10497170,D8001	29018
1998-1996	2.2L (4) 134"	Sunfire	10456209	29027
1995	2.2L (4) 134"	Sunfire	10456001	29031
1995	2.3L (D) 138"	Grand AM, Sunfire	1997562,10456017,10456287	29014
1994-1993	2.3L (A,D,3) 138"	Grand AM	1997562,10456017,10456287	29014
1992	2.3L (3) 138"	Grand AM (AT,3 Spd.)	10456019	29015
1992	2.3L (3) 138"	Grand AM (MT)	10456208,10497163	29015
1992-1989	2.3L (A) 138"	Grand AM	10456019	29015
1992-1988	2.3L (D) 138"	Grand AM	10456019	29015
1991-1990	2.3L (D) 138"	Grand Prix	10456019	29015
1999-1996	2.4L (T) 146"	Grand AM, Sunfire	10456209	29027
6 CYL.				
1989-1988	2.8L (W) 173"	Grand Prix, 6000	1997699,10456018,10456288	29015
1987	2.8L (W) 173"	6000	1997699,10456018,10456288	29015
1987-1985	3.0L (L) 181"	Grand AM	1997562,10456017,10456287	29014
1999-1996	3.1L (M) 189"	Grand AM, Grand Prix	10456238	29028
1995-1994	3.1L (M) 189"	Grand AM, Grand Prix	10456208,10497163	29015
1994-1991	3.1L (T) 189"	Sunbird	10456208,10497163	29015
1993-1989	3.1L (T) 189"	Grand Prix	10456208,10497163	29015
1992-1990	3.1L (T) 189"	Firebird	10456019	29015
1991-1988	3.1L (T) 189"	6000, 6000 SE	10456208,10497163	29015
1990-1989	3.1L (V) 189"	Grand Prix	1997699,10456018,10456288	29015
1993-1992	3.3L (N) 204"	Grand AM	10456019	29015
1996	3.4L (X) 207"	Grand Prix	10456238	29028
1999-1997	3.8L (K,1) 231"	Grand Prix	10456215	29026
1999-1996	3.8L (K,1) 231"	Bonneville, Firebird	10456215	29026
1995	3.8L (K,1) 231"	Bonneville	10456206	29015
1994-1992	3.8L (L,1) 231"	Bonneville	10456019	29015
1991-1988	3.8L (C) 231"	Bonneville	10456019	29015
1989	3.8L (7) 231"	Firebird	1997562,10456017,10456287	29014
1988-1987	3.8L (3) 231"	Bonneville	1997562,10456017,10456287	29014
1987-1983	3.8L (A) 231"	Bonneville, Grand Prix	1997562,10456017,10456287	29014
1984	3.8L (A) 231"	Parisienne	1997562,10456017,10456287	29014
1982	4.1L (4) 252 "	Bonneville, Grand Prix	1997463	29017
1986-1985	4.3L (Z) 262"	Parisienne	1997699,10456018,10456288	29016
8 CYL.				
1981	4.9L (W) 301"	Firebird	1997463	29017
1981-1980	4.9L (T) 301"	Firebird, Trans AM (Turbo)	1997463	29017
1980	4.9L (W) 301"	Bonneville, Catalina, Firebird, Trans AM, Grand AM, Grand Prix, LeMans	1997463	29017
1992-1991	5.0L (F) 305"	Firebird	10456126	29020
1992-1990	5.0L (E) 305"	Firebird	1997562,10456017,10456287	29014
1991	5.0L (F) 305"	Trans AM	10456126	29020
1990	5.0L (F) 305"	Firebird, Trans AM	10456019	29015
1989-1988	5.0L (E,F) 305"	Firebird, Trans AM	1997562,10456017,10456287	29014
1987	5.0L (F,H) 305"	Firebird, Trans AM	1997562,10456017,10456287	29014
1987-1985	5.0L (H) 305"	Grand Prix, Bonneville	1997562,10456017,10456287	29014
1986-1985	5.0L (H) 305"	Parisienne	1997562,10456017,10456287	29014
1986-1984	5.0L (F,G,H) 305"	Firebird, Trans AM	1997562,10456017,10456287	29014
1983	5.0L (H,S,7) 305"	Firebird, Trans AM	1997562,10456017,10456287	29014

KNOCK SENSORS

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
PONTIAC 8 CYL. (Cont'd)				
1998	5.7L (G) 350"	Firebird (w/Locating Tab (1st Design))	10456222	29029
1997-1996	5.7L (P) 350"	Firebird	1997562,10456017,10456287	29014
1995-1993	5.7L (P) 350"	Firebird	10456126	29020
1992-1990	5.7L (8) 350"	Firebird, Trans AM	10456031,10456549	29019
1989-1987	5.7L (8) 350"	Firebird, Trans AM	1997699,10456018,10456288	29016
PONTIAC TRUCK				
6 CYL.				
1995-1990	3.1L (D) 191"	Trans Sport	1997562,10456017,10456287	29014
1999-1996	3.4L (E) 207"	Trans Sport	10456238	29028
1995	3.8L (L) 231"	Trans Sport	10456204	29032
1994-1992	3.8L (L) 231"	Trans Sport	10456019	29015
PORSCHE				
6 CYL.				
1995-1992	3.0L (42N,P,R,S) 183"	968 (8/91 On)	0-261-231-006	29030
1991-1990	3.0L (42L,M) 183"	944	0-261-231-006	29030
8 CYL.				
1995-1993	5.4L (81P,R,S, 85P,R,S) 330"	928	0-261-231-036	29001
SAAB				
4 CYL.				
1993-1989	2.0L (B202L) 121"	900 (Turbo)	0-261-231-006	29030
1989	2.0L (B2021) 121"	900, 900S	0-261-231-006	29030
1993-1991	2.1L (B2021) 129"	900, 900S	0-261-231-006	29030
1994	2.3L (B) 140"	900, 900S	0-261-231-046	29003
SATURN				
4 CYL.				
1998-1996	1.9L (7,8) 116"	Coupe, Sedan, Wagon	21023406	29005
1995-1991	1.9L (7,8,9) 116"	Coupe, Sedan, Wagon	21021879	29004
TOYOTA				
4 CYL.				
1991	1.6L (4AGE) 98"	Corolla GTS (From 4/91-6/91, w/Matsushita)	89615-12040	29008
1998-1992	2.2L (5SFE) 134"	Celica (w/Nippondenso)	89615-33010,89615-33020	29007
1996-1992	2.2L (5SFE) 134"	Camry (w/Nippondenso)	89615-33010,89615-33020	29007
1995-1992	2.2L (5SFE) 134"	MR2 (w/Nippondenso)	89615-33010,89615-33020	29007
1997-1992	2.4L (2TZFE, 2TZFZE) 144"	Previa (w/Matsushita)	89615-12040	29008
6 CYL.				
1991-1990	2.5L (2VZFE) 153"	Camry	89615-35040	29009
1998-1997	3.0L (1MZFE) 180"	Camry (w/Matsushita)	89615-12040	29008
1996-1995	3.0L (1MZFE) 180"	Avalon (w/Matsushita)	89615-12040	29008
1996-1994	3.0L (1MZFE) 180"	Camry (w/Matsushita)	89615-12040	29008
1993-1992	3.0L (3VZFE) 180"	Camry	89615-33010,89615-33020	29007
1993-1992	3.0L (7MGE, 7MGTE) 180"	Supra	89615-33010,89615-33020	29007
1992	3.0L (7MGE) 180"	Cressida	89615-33010,89615-33020	29007
TOYOTA TRUCK				
4 CYL.				
1998-1996	2.0L (3SFE) 123"	RAV4 (w/Nippondenso)	89615-33010,89615-33020	29007
1991-1989	2.4L (22RE) 144"	4-Runner	89615-35040	29009
1990-1989	2.4L (22RE) 144"	Pickup	89615-35040	29009

YEAR	ENGINE	MODEL/FOOTNOTES	OE #	PART #
TOYOTA TRUCK 4 CYL. (Cont'd)				
1989-1988	2.4L (22REC) 144"	4-Runner	89615-35040	29009
1988	2.4L (22REC) 144"	Pickup	89615-35040	29009
6 CYL.				
1997-1995	3.4L (5VZFE) 206"	T100, Tacoma (w/Matsushita)	89615-12040	29008
1996	3.4L (5VZFE) 206"	4-Runner (w/Matsushita)	89615-12040	29008
VOLKSWAGEN				
4 CYL.				
1993-1990	1.8L (2H) 109"	Cabriolet	0-261-231-038	29006
1992	1.8L (PF,RV) 109"	Golf GT	0-261-231-038	29006
1992-1990	1.8L (9A) 109"	Passat	0-261-231-004	29002
1992-1990	1.8L (PF,RV) 109"	Golf	0-261-231-036	29001
1991-1989	1.8L (PG) 109"	Corrado	0-261-231-004	29002
1991-1988	1.8L (PF,RV) 109"	Jetta	0-261-231-004	29002
1989-1988	1.8L (PL,RV) 109"	Golf	0-261-231-004	29002
1995	2.0L (ABA) 122"	Cabriolet	0-261-231-036	29001
1995-1993	2.0L (ABA) 122"	Golf, Jetta	0-261-231-036	29001
1993	2.0L (9A) 122"	Passat	0-261-231-038	29006
1992-1990	2.0L (9A) 122"	Golf, Jetta	0-261-231-036	29001
VOLVO				
4 CYL.				
1985	2.1L (B21FT) 130"	244, 245	1317296-0	29010
1984-1983	2.1L (B21FT) 130"	242 GLT, 244 GLT, 245 GLT	1317296-0	29010
1995-1994	2.3L (57) 141"	850 GLT	0-261-231-006	29030
1995-1993	2.3L (86,87) 141"	940	0-261-231-006	29030
1993	2.3L (B230F) 141"	240 Series	0-261-231-006	29030
1992-1991	2.3L (B230F) 141"	240 Series	0-261-231-046	29003
1992-1991	2.3L (B230F, B230FT) 141"	740, 940	0-261-231-046	29003
1991-1989	2.3L (B230FT) 141"	780 (Turbo,Exc.Cal.)	0-261-231-006	29030
1990	2.3L (B230F) 141"	240 Series	0-261-231-006	29030
1990	2.3L (B230FT) 141"	760	0-261-231-006	29030
1990-1989	2.3L (B230FT) 141"	740	0-261-231-006	29030
1988	2.3L (B230FT) 141"	740 GLE, 760 GLE	1317296-0	29010
1988	2.3L (B230FT) 141"	740 GLE, 760 GLE	1317296-0	29010
1988-1986	2.3L (B230F) 141"	244 DL, 244 GL, 245 DL, 245 GL	1317296-0	29010
1987-1986	2.3L (B230FT) 141"	740, 760	1317296-0	29010
1985	2.3L (B23F) 141"	244 DL, 244 GL	1317296-0	29010
1985	2.3L (B230F) 141"	244 DL, 244 GL, 245, 740 GLE, 745 GLE	1317296-0	29010
1985	2.3L (B230FT) 141"	740, 745 GLE, 760	1317296-0	29010
1984	2.3L (B23F) 141"	242 DL, 244 DL, 244 GL, 245	1317296-0	29010
1984	2.3L (B23F) 141"	242 DL, 24 GL, 245	1317296-0	29010
1984	2.3L (B230F) 141"	244 DL	1317296-0	29010
1984	2.3L (B230FT) 141"	760 GLE	1317296-0	29010
1983	2.3L (B23F) 141"	242 DL, 244 DL, 244 GL, 245 DL, 245 GL	1317296-0	29010
1983	2.3L (B230F) 141"	245 DL, 245 GL	1317296-0	29010
1995-1993	2.4L (55) 149"	850 GLT	0-261-231-006	29030
6 CYL.				
1995-1993	3.0L (95) 178"	960	0-261-231-006	29030
1992	3.0L (BG304F) 178"	960	0-261-231-046	29003

OEM INTERCHANGES

OEM#	PART#	OEM#	PART#	OEM#	PART#	OEM#	PART#
BOSCH		E6RZ-12A699AA	29046	GM		HONDA	
0-261-231-004	29002	E6TF-12A699A	29043	1045208	29015	30530-P2M-A01	29012
0-261-231-006	29030	E6TZ-12A699A	29043	10456001	29031	30530-P91-A01	29013
0-261-231-036	29001	E7TF-12A699A2A	29042	10456017	29014	30530-PV1-A01	29013
0-261-231-038	29006	E7TZ-12A699A	29042	10456018	29016	8-10456-085-0	29011
0-261-231-046	29003	E92Z-12A699A	29053	10456019	29015	HYUNDAI	
CHRYSLER		E9SZ-12A699A	29059	10456031	29019	39250-22010	29058
2605122	29065	E9SZ-12A699B	29059	10456075	29036	39250-23010	29057
4111526	29023	F0TZ-12A699A	29042	10456082	29035	INFINITI	
4318118	29023	F32Z-12A699A	29051	10456085	29011	22060-30P00	29000
4557667	29066	F3LY-12A699A	29059	10456126	29020	ISUZU	
4606093	29054	F3XA-12A699AA	29062	10456146	29034	8-10456-075-0	29036
4653069	29064	F3XY-12A699A	29062	10456204	29032	MAZDA	
4686044	29023	F5DF-12A699AB	29060	10456209	29027	F220-18-921	29053
4686135	29063	F5OY-12A699A	29049	10456215	29026	NISSAN	
4686243	29063	F65Z-12A699AA	29049	10456222	29029	22060-05U00	29056
4686362AB	29055	F6DF-12A699AA	29060	10456232	29033	22060-30P00	29062
4700044	29023	F6DZ-12A699A	29060	10456238	29028	SATURN	
4728369	29024	F6RF-12A699AA	29046	10456287	29014	21021879	29004
5213629	29023	F6RZ-12A699DA	29048	10456288	29016	21023406	29005
5226029	29023	F6ZF-12A699AA	29052	10456549	29019	TOYOTA	
5234911	29024	F6ZZ-12A699AA	29052	10497163	29015	89615-12040	29008
MD300670	29025	F77Z-12A699A	29047	10497170	29018	89615-33010	29007
FORD		F77Z-12A699AA	29047	1997463	29017	89615-33020	29007
E3AF-12A699AA	29021	F77Z-12A699AB	29041	1997562	29014	89615-35040	29009
E3AZ-12A699A	29021	F77Z-12A699BA	29050	1997690	29018	VOLVO	
E3TF-12A699AA	29044	F7RZ-12A699AA	29046	1997699	29016	1317296-0	29010
E3TZ-12A699A	29044	F8CF-12A699AC	29061	90541521	29040		
E3ZZ-12A699A	29022	F8CZ-12A699AA	29061	94850211	29039		
E5TF-12A699AA	29045	GEO		94851941	29038		
E5TZ-12A699A	29045	94850211	29039	94851941	29038		
E67F-12A699AA	29043	94854346	29037	94851941	29038		
				94854346	29037		

NUMERICAL LIST

PART#	APPLICATION & YEAR	FIG#
29000	INFINITI 90-98	1
29001	AUDI 90-96, PORSCHE 93-95, VW 90-95	2
29002	AUDI 90, VW 88-92	2
29003	SAAB 94, VOLVO 92	1
29004	SATURN 91-95	3
29005	SATURN 96-98	4
29006	AUDI 90-96, VW 90-93	2
29007	TOYOTA 92-98, TOYOTA TRK 96-98	5
29008	TOYOTA 91-98, TOYOTA TRK 95-97	5
29009	TOYOTA 90-91, TOYOTA TRK 88-91	6
29010	VOLVO 83-88	7
29011	HONDA TRK 96-98, ISUZU TRK 96-97	8
29012	HONDA 96-98	10
29013	ACURA 92-98, HONDA 92-97	10
29014	BUICK 84-88,91-96, CAD 91-92,96, CHEV, PONT 83-97, C TRK, GMC TRK 85-99, OLDS 84-88,91-95, OLDS TRK, PONT TRK 90-95	8
29015	BUICK, PONT 87-95, CAD 87-90, 93-95, CHEV 87-95, C TRK 92-95, GMC TRK 93-95, OLDS 87-95, PONT TRK 92-94	8
29016	BUICK 92-93, CAD 90-92, CHEV 85-93, C TRK, GMC TRK 80-99, OLDS 92, PONT 85-89	8
29017	BUICK 78-82, CAD 81, CHEV, PONT 80-82, C TRK, GMC TRK, OLDS 81-82	27
29018	BUICK 84-87, PONT 84-90	3
29019	CAD 93, CHEV, PONT 90-92, C TRK GMC TRK91-97	8
29020	BUICK, CAD 94-95, CHEV, PONT 91-95	8
29021	FORD, MERC 81-91, F TRK 86-96	9
29022	FORD 83-93, F TRK 85-89, MERC 83-89	13

NUMERICAL LIST

PART#	APPLICATION & YEAR	FIG#
29023	CHRY 80-98, DODGE, PLY 80-95, D TRK 84-95, EAGLE 95-98	11
29024	CHRY, DODGE 92-93	11
29025	CHRY 96-97, DODGE, EAGLE, MITSUBISHI 95-97	12
29026	BUICK, CHEV, OLDS, PONT 96-99	4
29027	BUICK 96-98	25
29028	BUICK 97-99, CHEV, C TRK, OLDS, OLDS TRK, PONT TRK 96-99, PONT 96	25
29029	CAD, OLDS 96-98, CHEV 97-98, PONT 98	4
29030	PEUGEOT 84, PORSCHE 90-95, SAAB 89-93, VOLVO 89-95	1
29031	BUICK, CHEV, OLDS 94-95, PONT 95	3
29032	BUICK 94-95, C TRK, OLDS TRK, PONT TRK 95	8
29033	C TRK, GMC TRK 96-99	8
29034	C TRK, GMC TRK 92-95, OLDS 95	26
29035	C TRK, GMC TRK 92-95	3
29036	C TRK, GMC TRK, OLDS 96-99, ISUZU 97-98	8
29037	CHEV 90, C TRK 96-99, GEO 93-96	5
29038	GEO 92	5
29039	GEO 90-91	6
29040	CAD 97-99	21
29042	F TRK 87-90	13
29043	F TRK 86-87, 90-96	13
29044	F TRK 83-85	13
29045	F TRK 85-86	13
29046	FORD, MERC 97-99	14
29047	F TRK 97-99, LINC 98-99	15
29048	FORD, MERC 96-99	14
29049	FORD 96-98, F TRK 93-98, LINC 95-99	14
29050	F TRK, MERC TRK 97-98	16
29051	FORD 93-97	17
29052	F TRK 97-98	18
29053	FORD 89-92	19
29054	CHRY, DODGE 98	23
29055	D TRK, PLY TRK 98	24
29056	NISSAN 95-96	1
29057	HYUNDAI 96-98	2
29058	HYUNDAI 95-96	2
29059	FORD 89-95, LINC 93-95, MERC 89-91	9
29060	FORD, MERC 96-99	14
29061	FORD 98, MERC 98-99	22
29062	F TRK 97-98, NISSAN 91-94	1
29063	D TRK 96-97	20
29064	CHRY, DODGE, EAGLE 93-97	11
29065	CHRY, DODGE 95-98, PLY 96-98	11
29066	CHRY 95-96, DODGE, PLY 95-98, D TRK, PLY TRK 97-98, EAGLE, MITSUBISHI 95-97	20

KNOCK SENSORS

ILLUSTRATED PARTS GUIDE



FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7



FIG. 8



FIG. 9



FIG. 10



FIG. 11



FIG. 12



FIG. 13



FIG. 14



FIG. 15



FIG. 16



FIG. 17



FIG. 18

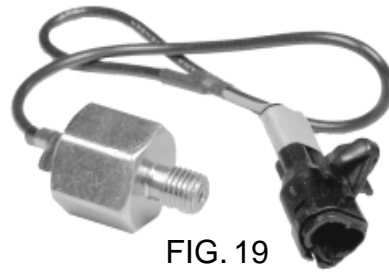


FIG. 19



FIG. 20

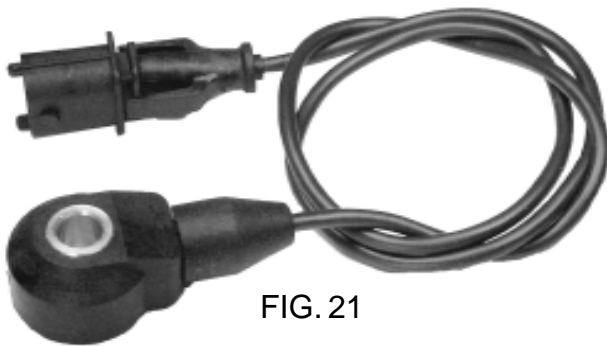


FIG. 21

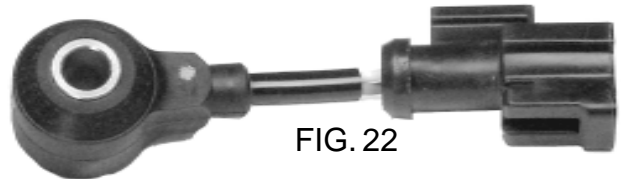


FIG. 22



FIG. 23



FIG. 24



FIG. 25



FIG. 26



FIG. 27