

Application	Year	Bleeding Sequence	ABS?
Domestic Cars			
Daimler Chrysler			
TC by Maserati	1989-90	RF, LF, RR, LR	
All Others	1965-85	RR, LR, RF, LF	
Premier, Monaco	1988-92	RR, LR, RF, LF	No
All Others	1978-94	RR, LF, LR, RF	No
Avenger, Concord, Intrepid, LHS, New Yorker, Sebring, Talon & Vision	1995-96	RR, LF, LR, RF	No
Avenger, Sebring & Talon	1997-99	RR, LF, LR, RF	No
Breeze, Cirrus, Neon, Sebring Convertible & Stratus	1995-99	LR, RF, RR, LF	No
Concord, Intrepid, LHS, New Yorker, Vision & 300M	1997-99	RR, LR, RF, LF	No
w/ABS			
Avenger, Sebring & Talon	1995-99	RR, LF, LR, RF	Yes
Bosch	1988-90	LR, RR, LF, RF	Yes
Bendix ABX-4			
Breeze, Cirrus, Neon, Sebring & Stratus	1995-97	LR, RF, RR, LF	Yes
Bendix-4	1993-95	RR, LF, LR, RF	Yes
Bendix-6	1991	RR, LR, RF, LF	Yes
Bendix-6	1992-94	RR, LF, LR, RF	Yes
Bendix-10	1990-94	LR, RR, LF, RF	Yes
Teves Mark IV-G	1995-97	RR, LF, LR, RF	Yes
Teves Mark 20			
Breeze, Cirrus, Neon, Sebring Convertible & Stratus	1998-99	LR, RF, RR, LF	Yes
Concord, Intrepid, LHS & 300M	1998-99	RR, LR, RF, LF	Yes
Ford Motor Co.			
RWD w/o ABS	1965-93	RR, LR, RF, LF	No
Cougar & Thunderbird	1994-97	RR, LF, LR, RF	No
All Others	1994-99	RR, LR, RF, LF	No
Crown Victoria, Grand Marquis & Town Car	1990-94	RR, LF, LR, RF	Yes
Crown Victoria, Grand Marquis & Town Car	1995-99	RR, LR, RF, LF	Yes
Cougar & Thunderbird, Mark VII & Mark VIII	1988-92	RF, LF, RR, LR	Yes
Cougar & Thunderbird, Mark VII & Mark VIII	1988-92	RF, LF, RR, LR	Yes
Cougar & Thunderbird	1993-97	RR, LF, LR, RF	Yes
Mark VIII	1993-96	RR, LR, RF, LF	Yes
Mark VIII	1997-98	RR, LR, RF, LF	Yes
Mustang	1994-97	RR, LR, RF, LF	Yes
Mustang	1998-99	RR, LR, RF, LF	Yes
All Others	1986-87	RR, LR, RF, LF	Yes
FWD w/o ABS	1978-94	RR, LF, LR, RF	No
Contour, Cougar & Mystique	1995-99	LF, RR, RF, LR	No
Continental, Escort, Sable, Taurus, Tracer	1995-99	RR, LR, RF, LF	No

Probe	1995-97	RR, LF, LR, RF	No
Continental	1988-89	RF, LF, RR, LR	Yes
Continental, Sable & Taurus	1990-94	RR, LF, LR, RF	Yes
Continental	1995-99	RR, LR, LF, RF	Yes
Contour & Mystique	1995-97	RR, LF, LR, RF	Yes
Contour, Cougar & Mystique	1998-99	LF, RR, RF, LR	Yes
Escort & Tracer	1994-96	RR, LF, LR, RF	Yes
Escort & Tracer	1997-99	RR, LR, RF, LF	Yes
Probe	1994-96	RR, LR, RF, LF	Yes
Sable & Taurus	1995	RR, LF, LR, RF	Yes
Sable & Taurus	1996-99	RF, LF, LR, RR	Yes
General Motors			
Buick			
RWD w/o ABS	1977-85	RR, LR, RF, LF	No
RWD w/o ABS	1986-92	RR, LR, RF, LF	No
RWD w/o ABS	1993-96	RR, LR, RF, LF	No
Bosch 2U	1991-95	RR, LR, RF, LF	Yes
Bosch 5	1996	RR, LR, RF, LF	Yes
Regal	1989-92	RF, RR, LR, LF	No
Regal	1993	RR, LR, RF, LF	No
Regal	1994-96	RR, LF, LR, RF	No
Regal & Century	1997-99	RR, LF, LR, RF	No
All Others	1980-94	RR, LF, LR, RF	No
All Others	1995-99	RR, LR, RF, LF	No
Skylark	1997-99	RR, LR, RF, LF	No
w/ABS			
Bosch 2U	1991-93	LF, RF, LR, RR	Yes
Century, Regal & Skylark	1991-96	RR, LR, RF, LF	Yes
Century, Regal & Skylark	1997-98	RR, LF, LR, RF	Yes
Century & Regal	1999	RR, LF, LR, RF	Yes
LeSabre & Park Avenue	1991-95	RR, LR, RF, LF	Yes
LeSabre & Park Avenue	1996-99	RR, LR, RF, LF	Yes
Regal	1989-90	RF, LF, RR, LR	Yes
Regal	1989-90	RR, LR, RF, LF	Yes
Riviera	1995-96	RR, LR, RF, LF	Yes
Riviera	1997-99	RR, LR, RF, LF	Yes
Roadmaster	1995-96	RR, LR, RF, LF	Yes
Teves Mark II ABS	1988-90	RF, LF, RR, LR	Yes
Cadillac			
RWD w/o ABS	1965-83	RR, LR, RF, LF	No
RWD w/o ABS	1984-85	RR, LR, RF, LF	No
RWD w/o ABS	1984-85	RR, LF, LR, RF	No
RWD w/o ABS	1986-92	RR, LR, RF, LF	No
RWD w/o ABS	1986-92	RR, LF, RF, LF	No
RWD w/o ABS	1993-96	RR, LR, RF, LF	No
Brougham, Fleetwood	1990-92	LF, RF, LR, RR	Yes
Brougham, Fleetwood	1995-96	RR, LR, RF, LF	Yes
Catera	1997-99	RR, LR, RF, LF	Yes
All Others	1986-94	RR, LR, RF, LF	Yes
All Others	1986-92	RR, LF, LR, RF	Yes
All Others	1993-94	RR, LR, RF, LF	Yes

Cimarron	1982-85	RR, LF, LR, RF	No
Eldorado & Seville	1980-85	RR, LR, RF, LF	No
Eldorado & Seville	1986-90	RR, LF, LR, RF	No
Eldorado & Seville	1991-94	LF, RF, LR, RR	No
All Others	1980-94	RR, LR, RF, LF	No
Allante	1987-92	LR, RR, LF, RF	Yes
Concours, DeVille, Eldorado, Fleetwood & Seville	1995-99	LF, RF, LR, RR	Yes
Deville, Eldorado, Fleetwood & Seville	1986-90	RR, LR, RF, LF	Yes
Chevrolet			
Chevette	1977-85	LF, RF, LR, RR	No
Chevette	1986-87	RR, LR, RF, LF	No
Corvette	1965-83	LR, RR, LF, RF	No
Corvette	1984-86	LR, RR, LF, RF	No
Corvette	1987-92	RF, RR, LR, LF	No
Monza & Vega	1971-80	RR, LR, RF, LF	No
All Others	1977-92	RR, LR, RF, LF	No
All Others	1993-94	RR, LR, RF, LF	No
Camaro	1993-96	RR, LR, RF, LF	Yes
Camaro	1997	RR, LF, LR, RF	Yes
Camaro	1998	RR, LF, LR, RF	Yes
Camaro	1999	RR, LR, RF, LF	Yes
Caprice & Impalla SS	1995-96	RR, LR, RF, LF	Yes
Corvette	1987-91	RF, RR, LR, LF	Yes
Corvette	1992-94	RR, LR, RF, LF	Yes
Corvette	1995-99	RR, LR, RF, LF	Yes
All Others	1990-92	RR, LR, RF, LF	Yes
Lumina (Except APV Van)	1990-99	RR, LF, LR, RF	No
Metro & Prizm	1998-99	RR, LR, RF, LF	No
All Others	1980-99	RR, LF, LR, RF	No
Beretta, Cavalier, Corsica, Malibu, Metro & Prizm (Up To 1997)	1992-99	RR, LR, RF, LF	Yes
Lumina & Monte Carlo	1992-99	RR, LF, LR, RF	Yes
Prizm	1998-99	RR, LR, RF, LF	Yes
Oldsmobile			
RWD w/o ABS	1977-85	RR, LR, RF, LF	No
RWD w/o ABS	1986-92	RR, LR, RF, LF	No
RWD w/o ABS	1993-94	RR, LR, RF, LF	No
RWD w/ABS VI	1991-94	RR, LR, RF, LF	Yes
Toronado, 98 Regency	1980-85	RR, LR, RF, LF	No
Cutlass Supreme	1989-92	RF, RR, LR, LF	No
Cutlass Supreme	1993	RR, LR, RF, LF	No
All Others	1980-93	RR, LF, LR, RF	No
Achieva, Ciera, Cutlass	1992-99	RR, LR, RF, LF	Yes
Alero, Cutlass Supreme & Intrigue (3.8L)	1992-99	RR, LF, LR, RF	Yes
Aurora	1995-96	RR, LR, RF, LF	Yes
Aurora	1997-99	RR, LR, RF, LF	Yes
Cutlass Supreme	1989-91	RF, LF, RR, LR	Yes
Eighty Eight, Ninety Eight & Toronado	1986-90	RF, LF, RR, LR	Yes

Eighty Eight & Ninety Eight	1991-95	RR, LR, RF, LF	Yes
Eighty Eight & Ninety Eight	1996-99	RR, LR, RF, LF	Yes
Intrigue (3.5L)	1998-99	RR, LF, LR, RF	Yes
Pontiac			
Fiero	1984-88	RR, LR, RF, LF	No
T1000	1981-82	RR, LF, LR, RF	No
T1000	1983-87	RR, LR, RF, LF	No
All Others	1977-92	RR, LR, RF, LF	No
All Others	1993-94	RR, LR, RF, LF	No
Firebird	1993-96	RR, LR, RF, LF	Yes
Firebird	1997	RR, LF, LR, RF	Yes
Firebird	1998	RR, LF, LR, RF	Yes
Firebird	1999	RR, LR, RF, LF	Yes
Grand Prix	1989-92	RF, RR, LR, LF	No
Grand Prix	1993-94	RR, LR, RF, LF	No
All Others	1980-92	RR, LF, LR, RF	No
All Others	1993-94	RR, LR, RF, LF	No
Grand Am, Sunbird & Sunfire	1991-99	RR, LR, RF, LF	Yes
Bonneville & 6000	1986-90	RF, LF, RR, LR	Yes
Bonneville	1991-95	RR, LR, RF, LF	Yes
Bonneville	1996-99	RR, LR, RF, LF	Yes
Grand Prix	1989-91	RF, LF, RR, LR	Yes
Grand Prix	1992-97	RR, LF, LR, RF	Yes
Grand Prix	1998-99	RR, LF, LR, RF	Yes
Saturn			
w/o ABS	1992-96	RR, LF, LR, RF	No
w/Delco VI ABS	1991-99	RR, LR, RF, LF	Yes
Domestic Light Trucks			
Daimler Chrysler			
RWD w/ABS	1965-86	RR, LR, RF, LF	Yes
RWD w/o ABS	1965-86	RR, LR, RF, LF	No
RWD w/ABS	1987-94	RR, LR, RF, LF	Yes
RWD w/o ABS	1987-94	RR, LR, RF, LF	No
RWD w/o ABS	1995-99	RR, LR, RF, LF	No
Kelsey-Hayes RWAL	1995-97	LR, RR, RF, LF	Yes
Kelsey-Hayes RWAL	1998-99	LR, RR, RF, LF	Yes
Kelsey-Hayes EBC-5H-4WAL	1993-97	LR, RR, RF, LF	Yes
Kelsey-Hayes EBC-310-4WAL Dakota	1997	LR, RR, RF, LF	Yes
Kelsey-Hayes EBC-325-4WAL	1998-99	RR, LR, RF, LF	Yes
FWD & AWD Vans w/ABS	1986-92	RR, LR, RF, LF	Yes
FWD & AWD Vans w/o ABS	1986-92	RR, LR, RF, LF	No
FWD & AWD Vans w/o ABS	1993-99	RR, LR, RF, LF	No
FWD & AWD Vans w/ABS Bendix-4	1993-94	RR, LF, LR, RF	Yes
FWD & AWD Vans w/ABS			
Teves Mark IV-G & Teves Mark 20	1995-99	LR, RF, RR, LF	Yes
Ford Motor Co.			
w/o ABS	1965-99	RR, LR, RF, LF	No
w/Rear ABS	1987-99	RR, LR, RF, LF	Yes
w/4-Wheel ABS			
Bronco, Explorer & Ranger	1993-96	RR, LR, RF, LF	Yes
w/4-Wheel ABS			

Econoline, Expedition, F Series Pickup
Navigator & 1997-99 Explorer,

Ranger & Mountaineer	1994-99	RR, LR, RF, LF	Yes
w/o ABS	1993	RR, LR, RF, LF	No
Villager	1994-95	LF, RF, LR, RR	No
Windstar	1995-99	RR, LF, LR, RF	No
Villager	1995-99	LF, RF, LR, RR	Yes
Windstar	1995-96	LF, RF, LR, RR	Yes

General Motors

RWD w/o ABS	1965-85	RR, LR, RF, LF	No
RWD w/o ABS	1986-96	RR, LR, RF, LF	No
RWD w/ Rear Wheel ABS	1987-95	RR, LR, RF, LF	Yes
RWD w/4-Wheel ABS (Except Tracker)	1990-99	RR, LR, RF, LF	Yes
RWD w/4-Wheel ABS (Tracker)	1998	RR, LR, RF, LF	Yes
RWD w/4-Wheel ABS (Tracker)	1999	RR, LR, RF, LF	Yes
FWD w/o ABS	1990-92	RR, LR, RF, LF	No
FWD w/o ABS	1993-94	RR, LF, LR, RF	No
FWD w/Delco VI ABS	1992-96	RR, LR, RF, LF	Yes
FWD w/Delco VI ABS	1997-99	RR, LF, LR, RF	Yes

International Harvester

All Models	1965-86	RR, LR, RF, LF	No
Jeep			
w/o ABS	1978-99	RR, LR, RF, LF	No
w/ABS	1990-94	RR, LR, RF, LF	Yes
Cherokee, Grand Cherokee & Wrangler	1995-96	RR, LR, RF, LF	Yes
Wrangler	1997-99	RR, LR, RF, LF	Yes
Cherokee & Grand Cherokee	1997-99	RR, LR, RF, LF	Yes

Import Car & Light Truck

Acura

w/o ABS	1986-89	LF, RR, RF, LR	No
w/o ABS	1990-96	RR, LF, LR, RF	No
Integra, Legend & Vigor	1988-96	RR, LF, LR, RF	Yes
Integra	1997-99	LF, RF, RR, LR	Yes
2.2CL & 3.0CL	1997	RR, LF, LR, RF	Yes
2.2CL & 3.0CL	1998-99	LF, RF, RR, LR	Yes
3.5RL	1996-99	LF, RF, RR, LR	Yes
2.5TL & 3.2TL	1995-98	LF, RF, RR, LR	Yes
3.2TL	1999	LF, RF, RR, LR	Yes
SLX (4-Wheel ABS)	1996-99	RR, LR, RF, LF	Yes

Alfa Romeo

All Models	1965-94	RF, RR, LR, LF	No
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Audi

4000, 5000, Quattro	1978-85	RR, LR, RF, LF	No
All Others	1986-92	RR, LR, RF, LF	No
w/ABS & w/o Traction Control	1986-89	RR, LR, RF, LF	Yes
w/ABS & w/o Traction Control	1990-96	RR, RF, LR, LF	Yes
w/ABS & Traction Control	1996-99	RR, LR, RF, LF	Yes

Austin Healey

3000	1965-87	RR, LR, RF, LF	No
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BMW

w/o ABS	1965-85	RR, LR, RF, LF	No
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w/o ABS	1986-92	RR, LR, RF, LF	No
7 Series W/ASC + T	1990-94	RR, LR, LF, RF	Yes
All Others	1986-99	RR, LR, RF, LF	Yes
Chrysler/Eagle Imports			
Conquest	1986-89	RR, LR, RF, LF	
All Others	1971-85	RR, LR, RF, LF	
Champ	1979-85	LR, RF, RR, LF	
Colt Hatchback, Vista, Eagle Vista, Wagon w/ABS	1979-94	LR, RF, RR, LF	Yes
Colt Hatchback, Vista, Eagle Vista, Wagon w/o ABS	1979-94	LR, RF, RR, LF	No
Colt/Summit 200 Series	1989-93	LR, RF, RR, LF	
Colt/Summit 200 Series	1994	RR, LF, LR, RF	
Summit	1995-96	RR, LF, LR, RF	
Summit Wagon	1995-96	LR, RF, RR, LF	
Lazer & Talon	1990-98	RR, LF, LR, RF	
Stealth	1991-96	RR, LF, LR, RF	
2WD Light Truck	1978-86	RR, LR, RF, LF	
Ram Raider	1987-89	RR, RF, LF	
All Other Light Trucks	1982-96	RR, LSPV, RF, LF	
Daihatsu			
All Models	1988-92	RR, LR, RF, LF	Yes
Fiat			
All Models	1965-82	RR, LR, RF, LF	
Ford Motor Co. Imports			
Aspire	1994-97	RR, LF, LR, RF	
Capri	1991-94	RR, LF, LR, RF	
Courier	1972-82	RR, LR, RF, LF	
Festiva	1988-93	RR, LF, LR, RF	
Merkur XR4Ti	1985-89	RR, LR, RF, LF	
Scorpio	1988-89	LF, RF, LR, RR	
General Motors Import			
LeMans	1988-93	RR, LF, LR, RF	
Metro/Sprint w/o ABS	1985-97	RR, LF, LR, RF	No
Metro/Sprint w/Delco VI ABS	1995-97	RR, LR, RF, LF	Yes
Nova	1985-88	RR, LF, LR, RF	
Prizm/Storm w/o ABS	1989-97	RR, LR, RF, LF	No
Prizm/Storm w/Delco VI ABS	1995-97	RR, LR, RF, LF	Yes
Spectrum	1985-89	LF, RR, RF, LR	
Tracker w/o ABS	1989-93	RF, LF, LR, LSPV	No
Tracker w/Rear ABS	1989-93	RF, LF, LR, LSPV	Yes
Tracker w/o ABS	1994-97	RR, LR, RF, LF	No
Tracker w/Rear ABS	1994-97	RR, LR, RF, LF	Yes
Tracker w/4-Wheel ABS	1996-97	RR, LR, RF, LF	Yes
Honda			
Accord	1990-93	LR, RF, RR, LF	Yes
Accord	1990-93	LR, RF, RR, LF	No
Accord	1994-97	RR, LF, LR, RF	Yes
Accord	1994-97	RR, LF, LR, RF	No
Accord	1998-99	LF, RF, RR, LR	
Civic	1990-95	RR, LF, LR, RF	Yes

Civic	1990-95	RR, LF, LR, RF	No
Civic	1996-99	RR, LF, LR, RF	
Civic Del Sol	1993-97	RR, LF, LR, RF	Yes
Civic Del Sol	1993-97	RR, LF, LR, RF	No
CR-V	1997-99	LF, RF, RR, LR	
Odyssey	1995-97	RR, LF, LR, RF	Yes
Odyssey	1995-97	RR, LF, LR, RF	No
Odyssey	1998-99	LF, RF, RR, LR	
Passport w/Rear ABS	1994-96	ALV, LR, RR, LF, RF	Yes
Passport w/4-Wheel ABS	1996-97	RR, LR, RF, LF	Yes
Passport w/4-Wheel ABS	1998-99	RR, LR, RF, LF	Yes
Prelude	1990	LF, RR, RF, LR	Yes
Prelude	1990	LF, RR, RF, LR	No
Prelude	1991-96	RR, LF, LR, RF	Yes
Prelude	1991-96	RR, LF, LR, RF	No
Prelude	1997-99	LF, RF, RR, LR	
All Other Models	1975-89	LF, RR, RF, LR	
Hyundai			
All Models	1987-98	LR, RF, RR, LF	No
Accent	1999	LR, RF, RR, LF	No
Elantra, Sonata, & Tiburon	1999	RR, LF, LR, RF	No
Sonata	1992-94	RR, LF, LR, RF	Yes
All Other Models	1995-98	LR, RF, RR, LF	Yes
Accent	1999	LR, RF, RR, LF	Yes
Elantra, Sonata, & Tiburon	1999	RR, LF, LR, RF	Yes
Infiniti			
G20	1991-99	RR, LF, LR, RF	Yes
G20	1991-99	RR, LF, LR, RF	No
I30	1996-99	RR, LF, LR, RF	Yes
I30	1996-99	RR, LF, LR, RF	No
J30	1993-97	RR, LR, RF, LF	
M30 & Q45 w/o Traction Control	1990-96	RR, LR, RF, LF	Yes
M30 & Q45 w/Traction Control	1995-96	RR, LR, RF, LF	
M30 & Q45 w/ABS & Traction Control	1997-99	RR, LR, RF, LF	Yes
M30 & Q45 w/o ABS & Traction Control	1997-99	RR, LR, RF, LF	No
QX4	1997-99	LSV, LR, RR, LF, RF	Yes
QX4	1997-99	LSV, LR, RR, LF, RF	No
Isuzu & LUV			
Amigo, Pickup & Rodeo	1988-89	LR, RR, LF, RF	
Amigo, Pickup & Rodeo w/Rear ABS	1990-95	ALV, LR, RR, LF, RF	Yes
Amigo, Pickup & Rodeo	1990-95	ALV, LR, RR, LF, RF	No
Amigo, Pickup & Rodeo w/4-Wheel ABS	1996-97	RR, LR, RF, LF	Yes
Amigo, Rodeo, & VehiCROSS	1998-99	RR, LR, RF, LF	
Hombre w/4-Wheel ABS	1996-99	RR, LR, RF, LF	Yes
Impulse	1983-89	LR, RR, RF, LF	
Impulse	1990-92	LR, RR, RF, LF	Yes
Impulse	1990-92	LR, RR, RF, LF	No
Oasis	1996-97	RR, LF, LR, RF	Yes
Oasis	1996-97	RR, LF, LR, RF	No
Oasis	1998-99	LF, RF, RR, LR	
Pickup	1984-85	RR, LR, RF, LF	

Pickup	1986-87	LR, RR, LF, RF	
Stylus	1991-92	LR, RR, RF, LF	
Stylus	1993	LF, RR, RF, LR	
Trooper & Trooper II w/Rear ABS	1984-95	RR, LR, ALV, RF, LF	Yes
Trooper & Trooper II w/o Rear ABS	1984-95	RR, LR, RF, LF	No
Trooper & Trooper II w/4-Wheel ABS	1995-99	RR, LR, RF, LF	Yes
All Other Models	1976-83	LF, RF, LR, RR	
Jaguar			
w/o ABS	1976-85	LR, RR, RF, LF	No
w/o ABS	1986-89	RR, LR, RF, LF	No
w/ABS	1986-94	RF, LF, RR, LR	Yes
w/ABS	1995-99	RF, LF, RR, LR	Yes
KIA			
Sephia	1994-96	RR, LF, LR, RF	No
Sephia	1995-97	RR, LF, LR, RF	Yes
Sephia	1998-99	RF, LF, RR, LR	Yes
Sephia	1998-99	RF, LF, RR, LR	No
Sportage	1995-96	RR, LR, RF, LF	
Land Rover			
Discovery	1997-99		
Range Rover	1997-99	LF, RF, LR, RR	
Lexus			
All Models w/Traction Control (Except LX470 & RX300)	1990-99	RR, LR, RF, LF	
ES300	1997-98	RR, LR, RF, LF	
ES300 w/Traction Control	1999	RR, LR, RF, LF	
ES300 w/Vehicle Skid Control	1999	RR, LR, RF, LF	
GS300 & GS400 w/Traction Control	1995-97	RR, LR, RF, LF	
GS300 & GS400 w/Hydraulic Booster	1998-99	RR, LR, RF, LF	
LS400 w/Traction Control	1995-99	RR, LR, RF, LF	
LX470	1998-99	RR, LR, RF, LF	
RX300	1999	RR, LR, RF, LF	
SC300 & SC400 W/Traction Control	1995-99	RR, LR, RF, LF	
Mazda			
B2000/2200/2600/2600i Pickup w/o ABS	1986-89	LR, RF, LF	No
B2000/2200/2600/2600i Pickup w/RABS	1990-94	LR, HU, RF, LF	Yes
B2300/2500/3000/4000 Pickup w/o ABS	1994-99	RR, LR, RF, LF	No
B2300/2500/3000/4000 Pickup w/RABS	1994-97	HU, RR, LR, RF, LF	Yes
B2300/2500/3000/4000 Pickup w/4WABS	1995-97	HU, RR, LR, RF, LF	Yes
B2300/2500/3000/4000 Pickup w/4WABS	1998-99	RR, LR, RF, LF	Yes
GLC	1981-85	RF, LR, RR, LF	
MPV w/o ABS	1989	RR, LR, RF, LF	No
MPV w/Rear Wheel ABS	1990-95	LR, HU, RF, LF	Yes
MPV w4-Wheel ABS	1996-98		Yes
Navajo	1991-92	RR, LR, RF, LF	
Navajo	1993-94	RR, LF, LR, RF	
MX-6, Millenia, Miata, & 626	1996-99		
Protégé	1990-95	RR, LR, LF, RF	
Protégé	1996-99		
RX7	1986-91	RR, LR, RF, LF	
All Others	1971-95	RR, LR, RF, LF	

Mercedes-Benz				
w/o ABS	1974-85	RR, LR, RF, LF		No
w/o ABS	1988-89			No
w/o ABS	1990-92			No
w/ABS	1979-95			Yes
w/ABS	1996-99	RR, LR, RF, LF		Yes
Mitsubishi				
Cordia & Tredia	1983-85	LR, RF, RR, LF		
Diamante, Eclipse, & 3000 GT w/o ABS	1990-99	RR, LF, LR, RF		No
Diamante, Eclipse, & 3000 GT w/ABS	1990-99	RR, LF, LR, RF		Yes
Expo	1991-95	LR, RF, RR, LF		
Galant 2WD w/ABS	1983-92			Yes
Galant 4WD w/ABS	1990-92			Yes
Galant	1993-99	RR, LF, LR, RF		
Mirage	1989-94	LR, RF, RR, LF		
Mirage	1995-99	RR, LF, LR, RF		
Montero	1987-91	RR, RF, LF		
Montero	1992-99	RR, LR, LSPV, RF, LF		Yes
Montero	1992-99	RR, LR, LSPV, RF, LF		No
Montero & 2WD Truck	1986	RR, LR, RF, LF		
Montero Sport	1997-99	RR, LR, RF, LF		Yes
Montero Sport	1997-99	RR, LR, RF, LF		No
Precis	1988-94	LR, RF, RR, LF		
Starion	1986-89	RR, LR, RF, LF		
Van/Wagon & Truck	1986-92	RR, LSPV, RF, LF		
All Others	1983-85	RR, LR, RF, LF		
All Others	1986-89	LF, RF, RR, LR		
Nissan				
Altima	1993-99	RR, LF, LR, RF		Yes
Altima	1993-99	RR, LF, LR, RF		No
Axxess	1990	LR, RF, RR, LF		
B210 & 1200	1971-81	LR, RR, LF, RF		
Frontier	1998-99	LR, RR, LF, RF		Yes
Maxima	1984-85	RR, LR, RF, LF		
Maxima	1986-94	LR, RF, RR, LF		Yes
Maxima	1986-94	LR, RF, RR, LF		No
Maxima	1995-99	RR, LF, LR, RF		Yes
Maxima	1995-99	RR, LF, LR, RF		No
Quest	1993-99	RR, LF, LR, RF		No
Quest	1993-99	LF, RF, LR, RR		Yes
Sentra, Pulsar/NX	1986	LR, RF, RR, LF		
Sentra, Pulsar/NX	1987-94	LR, RF, RR, LF		Yes
Sentra, Pulsar/NX	1987-94	LR, RF, RR, LF		No
Sentra, Pulsar/NX	1995-99	RR, LF, LR, RF		Yes
Sentra, Pulsar/NX	1995-99	RR, LF, LR, RF		No
Stanza, Stanza Wagon	1986-92	LR, RF, RR, LF		Yes
Stanza, Stanza Wagon	1986-92	LR, RF, RR, LF		No
Pickup & Pathfinder w/o ABS	1980-99	LR, RR, LF, RF		No
Pickup & Pathfinder w/Rear Wheel ABS	1991-97	LR, RR, LF, RF		Yes
Pickup & Pathfinder w/4-Wheel ABS	1996-99	LR, RR, LF, RF		
Van	1987-88	LR, RR, LF, RF		

200SX, 240SX, 300ZX	1984-89	LR, RR, RF, LF	
200SX	1995-98	RR, LF, LR, RF	Yes
200SX	1995-98	RR, LF, LR, RF	No
240SX	1990-94	LR, RR, LF, RF	Yes
240SX	1990-94	LR, RR, LF, RF	No
240SX	1995-96	RR, LR, RF, LF	Yes
240SX	1995-96	RR, LR, RF, LF	No
300ZX	1990-94	LR, RR, LF, RF	Yes
300ZX	1990-94	LR, RR, LF, RF	No
300ZX	1995-96	LR, RF, LF	Yes
300ZX	1995-96	LR, RF, LF	No
310	1979-82	LR, RF, RR, LF	
All Other RWD Cars	1965-85	RR, LR, RF, LF	
All Other FWD Cars	1976-85	RR, LF, LR, RF	
Peugeot			
405 & 505	1986-92	RR, LR, RF, LF	No
All Others	1965-85	RR, LR, RF, LF	No
405 & 505	1986-92	RR, LR, RF, LF	Yes
Porsche			
All Models	1965-85	LR, RR, RF, LF	
All Models	1986-92	LR, RR, RF, LF	Yes
Boxter w/ABS	1997-99	RR, LR, RF, LF	Yes
Boxter w/ABS & Traction Control	1997-99	RR, LR, RF, LF	Yes
911 2WD	1993-94		
911 All-Wheel Drive	1993-94		
911 w/ABS	1995-96	RR, LR, RF, LF	Yes
911 w/ABS & Traction Control	1995-99	RR, LR, RF, LF	Yes
Renault			
Medallion	1987-89	LR, RR, RF, LF	
R-5, R-8, R-10, R-12, R-15, R-16, & R-17	1969-80	LF, RF, LR, RR	
All Others	1981-88	RR, LF, LR, RF	
All Others	1981-88	RR, LR, RF, LF	
SAAB			
900, 99, Sonnett II	1970-89	LR, RF, RR, LF	
9000	1986-89	RR, LR, LF, RF	
9000, 900	1990-92	LR, RF, RR, LF	
900 & 9000	1990-92	RR, LR, RF, LF	
900	1993-96	RF, LF, LR, RR	
900	1997-98	LF, RF, LR, RR	
9000	1993-94	RF, LF, LR, RR	
9000 (Mark IV ABS)	1995-96	RF, LR, LF, RR	
9-3 & 9-5	1999	LF, RR, RF, LR	
Sterling			
All Models	1986-89	LF, RR, RF, LR	
Subaru			
Justy	1987-89	RR, LR, RF, LF	
Justy	1990-94		
Forester	1998-99	RF, LR, LF, RR	
Impreza, Outback, & Legacy w/o ABS	1990-99	RF, LR, LF, RR	
Impreza, Outback, & Legacy w/ABS Only	1990-94	HU, RF, LR, HU, LF, RR	
Impreza, Outback, & Legacy w/ABS Only	1995-97	RF, LR, LF, RR	

Impreza, Outback, & Legacy w/ABS Only	1998-99	RF, LR, LF, RR	
Legacy w/ABS & Traction Control	1995-97	RF, LR, LF, RR	
Loyale, XT, XT6	1990-94	LF, RR, RF, LR	
SVX	1992-97	HU, HU, RF, LR, LF, RR	
All Others	1980-85	LR, RF, RR, LF	
All Others	1986-89	LF, RR, RF, LR	
Suzuki			
Esteem	1995-99	RR, LF, LR, RF	
Grand Vitara	1999	LR, LSPV, RF, LF	
Grand Vitara	1999	LR, RF, LF	
Samurai	1986-87	RR, LF, LR, RF	
Samurai	1988-92	LR, LSPV, RF, LF	
Samurai	1993-94	RF, LF, LSPV, LR	
Sidekick & X-90 w/o ABS	1989-92	LR, LSPV, RF, LF	
Sidekick & X-90 w/o ABS	1993-98	RF, LF, LSPV, LR	
Sidekick & X-90 w/ABS	1991-95	RF, LF, LR	
Sidekick & X-90 w/Delco VI ABS (1.6L)	1996-99	LR, RF, LF	
Sidekick Sport	1996-98	RF, LF, LR	
Swift w/o ABS	1989-99	RR, LF, LR, RF	
Swift w/Delco VI ABS	1995-99	RR, LR, RF, LF	
Vitara w/o ABS	1999	LR, LSPV, RF, LF	
Vitara w/ABS	1999	LR, RF, LF	
Toyota			
Corolla w/ABS	1998-99		
Land Cruiser	1998-99		
Pickup & 4Runner w/Rear ABS	1990-95		
Supra W/Traction Control	1995-98		
All Other Models	1965-99		
Volkswagen			
Dasher	1974-81	RR, LR, RF, LF	
Vanagon & Type II	1975-89	RR, LR, RF, LF	
All Others	1979-81	RR, LR, RF, LF	
All Others	1982-96	RR, LR, RF, LF	
All Others w/ABS	1990-94	LF, RF, RR, LR	
All Others w/ABS	1995-97	RR, LR, RF, LF	
Beetle, Golf, & Jetta	1998-99	RR, LR, RF, LF	
Passat	1998-99	RR, LR, RF, LF	
Volvo			
240, 260, 740, & 760	1975-85	LF, RF, LR, RR	No
240	1986-92	LF, RF, LR, RR	No
740, 760, 940, & 960	1986-92	RR, LR, RF, LF	No
740, 760, & 780	1987	LF, RF, LR, RR	Yes
240, 740, 760, 780, 850, 940, & 960	1988-97	LR, RR, LF, RF	Yes
S90 & V90	1998-99	LR, RR, LF, RF	Yes
850, C70, S70, & V70 w/ABS & TCS	1997-99	LF, RF, LR, RR	Yes

Drive Wheels	Manual or Pressure	PSI
Rear	Either	10-15
Rear	Either	25-35
Front		15-20
Front	Either	
Front	Either	
Front	Either	
Front	Either	
Front	Either	10-15
Front	Either	
Front	Either	
Front	Manual	
Front	Either	10-15
Front	Either	10-15
Front	Either	20
Front		
Front		
Rear	Either	10-30
Rear	Either	10-30
Rear	Either	10-30
Rear		
Rear		10-30
Rear	Manual	
Rear	Pressure	35
Rear		10-30
Rear		10-30
Rear		10-30
Rear	Either	10-30
Rear		10-30
Rear		35
Front		10-30
Front	Either	10-30
Front	Either	10-30

Front	Either	10-30
Front		35
Front		10-30
Front	Either	10-30
Front	Either	10-30
Front		10-30
Front	Either	10-30
Front	Either	10-30
Front	Either	10-30
Front		10-30
Front		10-30

Rear	Either	20-25
Rear	Either	20-25
Rear	Either	10-30
Rear		20-25
Rear	Either	20-25
Front	Either	20-25
Front	Either	20-25
Front	Either	20-25
Front		30-35
Front	Either	20-25
Front	Either	20-25
Front		30-35

Front	Either	20-25
Front		35
Front		30-35
Front	Either	5-10
Front		20-25
Front	Either	20-25
Front	Manual	
Front	Pressure	10-35
Front		20-25
Front	Either	20-25
Rear	Either	20-25
Front		20

Rear	Either	30
Rear	Manual	10-15
Rear	Pressure	30
Rear	Manual	10-15
Rear	Pressure	20-25
Rear	Either	10-30
Rear	Either	20-25
Rear	Either	20-25
Rear	Manual	
Rear	Manual	10-15
Rear	Pressure	20-25
Rear	Pressure	20-25

Front		30
Front	Either	30
Front		30
Front		30
Front		30
Front	Manual	
Front	Either	20-25
Front		20
Rear	Either	20-30
Rear	Either	20-25
Rear		20-25
Rear		20-25
Rear	Either	20-25
Rear	Either	20-30
Rear		20-25
Rear		10-30
Rear		30-35
Rear		30-35
Rear	Either	20-25
Rear		20-55
Rear	Either	20-25
Rear	Either	20-25
Rear	Either	20-25
Rear	Either	20-25
Rear		20-25
Front		20-25
Front		20-25
Front		20-25
Front		30-35
Front		30-35
Front	Either	20-25
Rear	Either	20-25
Rear	Either	20-25
Rear	Either	10-30
Rear		20-25
Front	Either	20-25
Front	Either	20-25
Front	Either	20-25
Front	Either	20-25
Front		30-35
Front		30-35
Front	Either	20-25
Front	Either	20-25
Front	Manual	
Front		20

Front		20-25
Front	Either	20-25
Front	Either	30-35
Rear		20-25
Rear	Either	20-25
Rear	Either	20-25
Rear		20-25
Rear		10-30
Rear		30-35
Rear		30-35
Rear	Either	20-25
Rear		20-55
Front		20-25
Front		20-25
Front		20-25
Front		10-30
Front		30-35
Front		20
Front		20-25
Front	Either	20-25
Front	Manual	
Front		30-35
Front	Either	30-35
Front	Either	20-25
Front		30-35
Rear		35
Rear		35
Rear		20-30
Rear		20-30
Rear	Either	15-20
Rear	Either	15-20
Rear	Either	15-20
Rear	Either	15-20
Rear		
Rear	Either	15-20
Front or All		20-30
Front or All		20-30
Front or All	Either	35
Front or All	Either	20-30
Front or All	Either	
Rear	Either	10-30
Rear		10-30
Rear	Either	10-30

Rear	Either	10-30
Front	Either	10-30
Front	Either	10-30
Front	Either	10-30
Front	Either	10-30
Front	Either	10-30
Rear	Either	20-30
Rear	Either	20-25
Rear		20-25
Rear	Either	20-25
Rear		20-25
Rear	Either	20-25
Front	Either	20-25
Front		20-25
Front		30-35
Front		30-35
Front or Rear	Either	15-25
4WD		10-15
4WD	Manual	10-15
4WD		
4WD		
4WD	Either	10-15
Front	Manual	10-15
Front	Manual	10-15
Front	Manual	
Front	Manual	
Front	Manual	
Front	Either	
Front	Manual	
Front	Manual	
Front	Either	
Front		
	Manual	10-15
AWD	Manual	10-15
AWD	Manual	10-15
AWD	Manual	10-15
AWD	Manual	10-15
AWD	Pressure	
	Manual	10-15
Rear	Manual	10-15

Rear	Pressure	28
Rear	Pressure	28
Rear	Pressure	28
Rear		10-15
Rear		10-15
Rear		10-15
Front	Manual	
Front	Manual	
Front	Manual	
Front	Manual	
Front	Manual	
Front	Manual	
Front	Manual	
Rear		10-15
Rear		10-15
Rear	Manual	10-15
	Manual	10-15
	Manual	10-15
Front		10-30
	Either	10-30
	Manual	10-15
Front	Either	10-30
		10-15
Front		20-25
Front	Manual	10-15
Front		10-15
Front		20-25
Front		20-25
Front	Manual	20-25
Rear	Manual	
Rear	Manual	
Rear		20-25
Rear		20-25
Rear		20-25
Front		10-15
Front		10-15
Front	Either	
Front	Either	
Front	Manual	
Front		10-15

Front		10-15
Front	Manual	
Front	Either	
Front	Either	
	Manual	
Front	Either	
Front	Either	
Front	Manual	
Rear		
Rear		
Rear		
Front	Either	10-15
Front	Either	10-15
Front	Either	10-15
Front	Either	10-15
Front	Manual	
	Manual	10-15
Front	Either	10-15
Front	Manual	
Front	Manual	
Front		22-23
Front	Manual	
Front	Manual	
Front		
Front	Manual	
Front		
Front	Manual	
Front		
Front	Either	10-15
Front	Either	10-15
Front		
Front	Manual	
Front		
Front	Manual	
Front		
Rear	Manual	
Rear	Manual	
Rear	Manual	
Rear		
Rear		
Rear	Either	20-25
	Manual	
	Manual	
	Manual	
	Either	
	Either	
	Manual	
Rear	Manual	

Rear	Manual	
	Manual	
	Manual	
Rear	Manual	
Rear	Manual	
Rear		
	Manual	
Rear		
Rear	Manual	
Rear		
Rear		
	Manual	
	Manual	
	Manual	
	Manual	
Front	Either	10-30
Front		
Front	Manual	
Front	Manual	
Rear	Manual	
Rear		
Rear	Manual	
	Manual	
	Manual	
	Manual	
	Manual	
Rear		10-15
Rear		10-15
Rear	Either	
Rear	Manual	
Rear		
Rear	Manual	
Front	Manual	10-15
Front	Manual	10-15
Front		10-15
Front	Manual	
Rear	Either	10-30
Rear		10-30
Front	Manual	
Front	Either	10-15
Front	Manual	
Rear		10-15
	Either	10-15

Rear	Either	10-15
Rear	Either	10-15
Rear		
Rear		
Rear		

	Either	10-15
	Manual	
	Manual	
	Manual	

4WD

	Manual	
Rear		10-15
Rear	Manual	10-15
Rear		10-15
Rear	Either	10-15
Rear	Manual	
Rear		

	Either	10-15
		10-15
		10-15
		10-15
		10-15

Front	Manual	
Front		
	Either	10-15
		10-15

Rear		
Front		10-15
Front		10-15
Front		10-15

Front	Manual	
Front		
Front	Manual	
Front	Manual	

Front		10-15
Front		10-15
Front		10-15

Front	Manual	
Front		
Front		
Front		

Front		
Front		
Rear		10-15
Rear		
Rear		
	Either	10-15

	Either	10-15
Front	Manual	
Front		
Front		
Front		
Front	Manual	
Front		
Rear		
Rear		
Rear		
Rear		
		10-15
Rear		10-15
Front		10-15
		10-15
		10-15
		10-15
Rear		10-15
Rear		10-15
Rear		22
Rear		22-29
Rear		29
Rear		22
Rear		
Rear		22-29
		10-15
		10-15
	Manual	10-15
	Pressure	10-15
		10-15
		10-15
	Either	10-15
		10-15
		10-15
	Either	
	Vacuum	
		10-15
		10-15
		10-15
		10-15
		10-15

10-15
10-15
10-15
10-15

Manual

Manual

10-15
10-15
31-24
10-15

10-15

Manual

10-15

Manual

35

Manual

10

10-15
10-15
10-15
10-15
10-15

Either

14

Either

14

10-15
10-15
10-15
10-15
10-15

Manual

Remarks

Bleed front normally, bleed rear with key on, system pressurized, and pedal partially depressed.
Manual bleeding is preferred, when pressure bleeding vehicle with composite master cylinder use 25 p
Rear wheels must be on the ground when bleeding.

Accumulator must be depressurized before bleeding. With key off pump pedal at least 25 times. Stok

Bleed base brake system normally. Use DRB to bleed if replacing hydraulic control unit.
Bleed base brake system first. Bleeding modulator requires Diagnostic Readout Box (DRB) or equivalent.
Before bleeding release accumulator pressure. With key off, pump pedal at least 25 times. Bleed loac
Before bleeding release accumulator pressure. With key off, pump pedal at least 25 times. Bleed loac
Before bleeding release accumulator pressure. With key off, pump pedal at least 40 times.
Bleed base brake system normally. Use DRB to bleed if replacing hydraulic control unit.

Bleed base brake system normally. Use DRB to bleed if replacing hydraulic control unit.
Bleed base brake system normally. Use DRB to bleed if replacing hydraulic control unit.

Use Anti-Lock Breakout Box (T90P-50-ALA) to bleed brakes. Before bleeding brakes, see service mar

Bleeding ABS requires the use of New Generation Star (NGS) Tester (007-00500). See service manu:

Front brakes must be bled manually. Allow 5 second intervals between pedal strokes. Accumulator ca

Bleed with key off and pressure released. Bleeder must be open for 10 seconds.
Anti-Lock Brake Adapter (T90P-50-ALA) is required to bleed ABS. See service manual for procedure.
Anti-Lock Brake Adapter (T90P-50-ALA) is required to bleed ABS. See service manual for procedure.
New Generation Star (NGS) Tester (007-00500) is required to beed ABS. See service manual for proc

New Generation Star (NGS) Tester (007-00500) is required to beed ABS. See service manual for proc
Front brakes may be bled manually or with pressure method. Pressure bleeder or accumulator is requ
Manual bleeding on model year 1983 and later allow 5 second intervals between pedal strokes. (Not or

Vehicles equipped with composite master cylinder, use 20-25 psi. Allow 15 second intervals between :

Vehicles equipped with composite master cylinder, use 20-25 psi. Allow 15 second intervals between :

Vehicles equipped with composite master cylinder, use 20-25 psi. Allow 15 second intervals between :

Vehicles equipped with composite master cylinder, use 20-25 psi. Allow 15 second intervals between :

Accumulator must be free of pressure before bleeding, With key off pump pedal at least 25 times hard

Tech-2 is required to Auto Bleed if hydraulic control unit is replaced. See service manual for procedure

Rear brakes must be bled before front brakes. Accumulator pressure is required, with key on bleed on

Bleed inner bleeder first if equipped with 2 per brake. To release air, use a rubber mallet to tap caliper
When bleeding rear of vehicle must be lower than front.

Allow 15 second interval between slow pedal strokes when manual bleeding. Slow pedal strokes are r

Vehicles equipped with quick take-up master cylinder, allow 15 second slow pedal stroke intervals whe

Vehicles equipped with quick take-up master cylinder, allow 15 second slow pedal stroke intervals whe

Tech-1 or Tech-2 is required to place displacement pistons in upper position before bleeding. See ser

Tech-1 or Tech-2 is required to place displacement pistons in upper position before bleeding. See ser

Allow 15 second intervals between slow pedal strokes when manual bleeding.

Tech-2 is required to Auto Bleed when hydraulic control unit is replaced. See service manual for proce

Allow 15 second intervals between slow pedal strokes when manual bleeding. When pressure bleedin

Allow 15 second intervals between slow pedal strokes when manual bleeding. When pressure bleedin

Tech-2 is required to Auto Bleed when hydraulic control unit is replaced. See service manual for proce

Proportioning Valve Depressor (J-35856) is required for vehicles equipped with rear drums during pres

Allow 15 second intervals between slow pedal strokes when manual bleeding.

Allow 15 second intervals between slow pedal strokes when manual bleeding.

Allow 15 second intervals between slow pedal strokes when manual bleeding.

Tech-1 or Tech-2 is required to place displacement pistons in upper position before bleeding. See ser

Tech-1 or Tech-2 is required to place displacement pistons in upper position before bleeding. See ser

Tech-2 is required to Auto Bleed when hydraulic control unit is replaced. See service manual for proce

Allow 15 second intervals between slow pedal strokes when manual bleeding models with quick take-u

To pressurize bleed, hold metering valve open. Wait 15 seconds between slow pedal strokes when m:

Allow 15 second intervals between slow pedal strokes when manual bleeding. Combination Valve Pre

Use a scan tool to place displacement pistons in upper position before bleeding.

Allow 15 second intervals between slow pedal strokes when manual bleeding. When pressure bleedin

Allow 15 second intervals between slow pedal strokes when manual bleeding. When pressure bleedin

Allow 15 second intervals between slow pedal strokes when manual bleeding.

Use a scan tool to place displacement pistons in upper position before bleeding.

Use a scan tool to place displacement pistons in upper position before bleeding.

Allow 15 second intervals between slow pedal strokes when manual bleeding.

Depressurize the system, with key off pump the pedal hard at least 40 times then bleed fronts and dep

Bleed front brakes one at a time. Accumulator must be free of pressure before bleeding. With key off

Allow 15 second intervals between slow pedal strokes when manual bleeding.
Tech-2 is required to Auto Bleed when hydraulic control unit is replaced. See service manual for procedure.

Allow 15 second intervals between slow pedal strokes when manual bleeding. Metering valve must be

Allow 15 second intervals between slow pedal strokes when manual bleeding. Metering valve must be
Allow 15 second intervals between slow pedal strokes when manual bleeding. Metering valve must be
Allow 15 second intervals between slow pedal strokes when manual bleeding. Combination Valve Pre
Tech-1 or Tech-2 is required to place displacement pistons in upper position before bleeding. See service manual for procedure.
Tech-1 or Tech-2 is required to place displacement pistons in upper position before bleeding. See service manual for procedure.

Allow 15 second intervals between slow pedal strokes when manual bleeding.
Allow 15 second intervals between slow pedal strokes when manual bleeding. When pressure bleeding.
Allow 15 second intervals between slow pedal strokes when manual bleeding. When pressure bleeding.
Allow 15 second intervals between slow pedal strokes when manual bleeding. Metering valve must be
Allow 15 second intervals between slow pedal strokes when manual bleeding. Combination Valve Pre
Tech-1 or Tech-2 is required to place displacement pistons in upper position before bleeding. See service manual for procedure.
Bleed front brakes one at a time. Accumulator must be free of pressure before bleeding. With key off
Allow 15 second intervals between slow pedal strokes when manual bleeding.
Tech-2 is required to Auto Bleed when hydraulic control unit is replaced. See service manual for procedure.
Depressurize the system, with key off pump the pedal hard at least 40 times then bleed fronts and depressurize.
Tech-1 or Tech-2 is required to place displacement pistons in upper position before bleeding. See service manual for procedure.
Allow 15 second intervals between slow pedal strokes when manual bleeding.

Tech-1 or Tech-2 is required to place displacement pistons in upper position before bleeding. See service manual for procedure.

Vehicles equipped with composite master cylinder, use 25 psi. On model years 1989-94 anti-lock valve
Vehicles equipped with composite master cylinder, use 25 psi. On model years 1989-94 anti-lock valve
Vehicles equipped with composite master cylinder, use 25 psi. On model years 1989-94 anti-lock valve
Vehicles equipped with composite master cylinder, use 25 psi. On model years 1989-94 anti-lock valve
Metering valve stem must be held open to bleed front brakes.

Brakes are bled after combination valve, rear anti-lock valve, and master cylinder. Metering valve stem must be held open to bleed front brakes.
Brakes are bled after combination valve, rear anti-lock valve, and master cylinder. Metering valve stem must be held open to bleed front brakes.
Brakes are bled after combination valve, rear anti-lock valve, and master cylinder. Metering valve stem must be held open to bleed front brakes.
Base brakes must be manually bled. See service manual for procedure to bleed anti-lock valve assembly.
Brakes are bled after combination valve, rear anti-lock valve, and master cylinder. Metering valve stem must be held open to bleed front brakes.
Wheel cylinders must be bled after anti-lock valve(s) on model years 1989-92.

Metering valve must be held open to bleed front brakes.
Correctly adjust rear brakes before manual bleeding.
If anti-lock valve is present it must be bled before wheels. Pump pedal 40 times hard to release system pressure.

If anti-lock valve is present it must be bled before wheels. Pump pedal 40 times hard to release system pressure.

Rear brakes must be bled first, followed by rear anti-lock valve, then front brakes.

If run dry, bleed master cylinder first. If hydraulic control unit (HCU) brake lines have been disconnected, bleed HCU first.

If run dry, bleed master cylinder first. If hydraulic control unit (HCU) brake lines have been disconnected

New Generation Star (NGS) Tester is required when bleeding ABS system.

On model year 1990-92 C/K models equipped with power brakes, isolation/dump valve must be bled at
Allow 15 second intervals between slow pedal strokes when manually bleeding. Metering valve stem c
Allow 15 second intervals between slow pedal strokes when manually bleeding. Isolation/dump valve r
Master cylinder must be bled first if replaced. Allow 10-15 second intervals between pedal strokes whe
Tech-2 is required to place displacement pistons in upper position. See service manual for procedure.
See service manual for auto bleed procedure if air is in lines or replacing brake pressure modulator val
Allow 15 second intervals between slow pedal strokes when manually bleeding. When pressure bleed
Allow 15 second intervals between slow pedal strokes when manually bleeding. Metering valve stem c
Tech-2 is required to place displacement pistons in upper position. See service manual for procedure.
Tech-2 is required to place displacement pistons in upper position. See service manual for procedure.

If equipped with metering valve, must be held open when bleeding.

Hydraulic control unit and master cylinder must be bled before brakes. Allow 5 second intervals betwe
Base brakes must be manually bled. DRB must be connected to data link connector (DLC). Select Te
Base brakes must be manually bled. DRB-III must be connected to data link connector (DLC). Select
Base brakes may be bled manually or by the pressure method. DRB-III must be connected to data link

Fluid level must be checked frequently.

Fluid level must be checked frequently.

If modulator requires bleeding see service manual for procedure.

If modulator requires bleeding see service manual for procedure.

If modulator requires bleeding see service manual for procedure.

If modulator requires bleeding see service manual for procedure.

See service manual for special procedure.

First bleed right side at the same time, then left side at the same time.

High-sensing brake pressure regulator lever must be pushed towards rear axle before bleeding.

DOT-4 brake fluid is required. Brake pressure regulator level must be pushed towards rear axle before
System must be free of pressure before bleeding. With key off brake pedal must be pumped 20-25 tim
System must be free of pressure before bleeding. With key off brake pedal must be pumped 20-25 tim

If vehicle is equipped with remote servo, cylinders attached to it must be bled first. If calipers are equip

Sharply pump pedal 20 times with a 2-3 second hold duration between pumps. Now rears must be bled. Open RR bleeder with pedal held down. Slowly pump pedal completely with bleeder open 12 times, hold

Before bleeding front brakes, bleed modulator on vehicles that are equipped.
Bleeding of RR is not required on model Arrow equipped with drum brakes.
Fluid level must be checked frequently.

Engine must be running. If necessary, bleed master cylinder first.

Engine must be running. If necessary, bleed master cylinder first.
Engine must be running. If necessary, bleed master cylinder first.
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Engine must be running. If necessary, bleed master cylinder first.
Engine must be running. If necessary, bleed master cylinder first.
Engine must be running. If necessary, bleed master cylinder first.
Fluid level must be checked frequently.

Both rear wheels are controlled by RR bleeder.
LR is controlled by bleeding Load Sensing Proportioning Valve (LSPV).

If equipped with ABS, rear brakes must be bled with engine running.

If master cylinder needs bled, bleed first.

Lower wheel cylinders must be bled before uppers.

Allow 5 second intervals between pedal strokes.
Front brakes must be manually bled. Key off and remove system pressure by pumping brake pedal several

Allow 15 second intervals between pedal strokes when manual bleeding.
Fluid level must be checked frequently.

Tech-2 is required to place displacement pistons in upper position. See service manual for procedure.
Fluid level must be checked frequently.

Allow 15 second intervals between pedal strokes when manual bleeding.
Engine must be running when manual bleeding. If not could damage booster servo.
Master cylinder and pressure limiting valve must be bled first if necessary. RR is bled through LSPV.
Master cylinder and pressure limiting valve must be bled first if necessary. RR is bled through LSPV.
Master cylinder, proportioning/differential valve, and pressure limiting valve must be bled first if necessary.
Master cylinder, proportioning/differential valve, and pressure limiting valve must be bled first if necessary.
Tech-2 is required to place displacement pistons in upper position. See service manual for procedure.

Use Bleeder T-wrench and special ABS tester to bleed modulator first if necessary. See service manual

See service manual for procedure to bleed modulator if necessary.

See service manual for procedure to bleed modulator if necessary.

Special ABS tester required to bleed modulator if necessary. See service manual for procedure.

See service manual for procedure to bleed modulator if necessary.

Engine must be running while bleeding system, rear Anti-Lock Valve (ALV) must be bled first.
Tech-2 is required to place displacement pistons in upper position. See service manual for procedure.
See service manual for special procedure.
See service manual for procedure to bleed modulator if necessary.

See service manual for procedure to bleed modulator if necessary.

Brake pedal must not be depressed when pressure bleeding.

Special tester is required to bleed accumulator. See service manual for procedure.

Factory scan tool is required to bleed hydraulic control unit. See service manual for procedure.

ABS actuator connectors must be disconnected or battery must be disconnected.

ABS actuator connectors must be disconnected or battery must be disconnected.

Bleed wheels first, then bleed front ABS actuator port, then rear ABS actuator port.
If traction control actuator is replaced, bleed first. See service manual for procedure.
ABS actuator connectors must be disconnected or battery must be disconnected.

ABS actuator connectors must be disconnected or battery must be disconnected. Load Sensing Valve
Load Sensing Valve (LSV) must be bled before wheel brakes.

Engine must be running while bleeding. If equipped with Load Sensing Proportioning Valve (LSPV), bl
Engine must be running while bleeding. If equipped with rear Anti-Lock Valve (ALV), bleed first.
Engine must be running while bleeding. If equipped with rear Anti-Lock Valve (ALV), bleed first.
Tech-2 is required to place displacement pistons in upper position. See service manual for procedure.
See service manual for special procedure.
Master cylinder must be bled first if replaced. Allow 15 second intervals between slow pedal strokes w
Engine must be running while bleeding.
Engine must be running while bleeding. If master cylinder requires bleeding, bleed it first. Remove AE
Engine must be running while bleeding. If master cylinder requires bleeding, bleed it first.
If modulator requires bleeding, see service manual for special procedure.

Engine must be running while bleeding.

Engine must be running while bleeding.
Engine must be running while bleeding.
Engine must be running while bleeding.
Engine must be running while bleeding to prevent damage to booster.
Engine must be running while bleeding to prevent damage to booster.
See service manual for special procedure.
Engine must be running while bleeding.

Engine must be running while bleeding to prevent damage to servo.
DOT 4 brake fluid is required.
DOT 4 brake fluid is required. Front brakes must be manually bled. Accumulator must be discharged

In order to bleed system, the ABS Harness Adapter (OTC-3225) is required. See service manual for s

Battery must be disconnected while bleeding. Start at any caliper and procede in any order.
See service manual for special procedure.

See service manual for special procedure.
See service manual for special procedure.
See service manual for special procedure if reservoir runs dry, or hydraulic brake booster has been dis
See service manual for special procedure if master cylinder runs dry or ABS/TRAC actuator is disasse
See service manual for special procedure if reservoir runs dry, or hydraulic brake booster has been dis

See service manual for special procedure.

Both rear wheels are controlled with LR bleeder.
HU must be bled before bleeding fronts. Both rear wheels are controlled with LR bleeder.

ABS hydraulic unit must be bled first (located in engine compartment on left frame rail). If master cylin
Special adapter is required to bleed master cylinder and hydraulic control unit (HCU) which must be ble
See service manual for special bleeding procedure if Hydraulic Control Unit (HCU) brakelines have bee

Before bleeding front wheels, Hydraulic Unit (HU) (located above RR wheel) must be bled first. Both re
Bleed starting with the longest brakeline.

HCU and master cylinder must be bled before wheels.
Bleed starting with the longest brakeline.

Bleed starting with the longest brakeline.
The upper bleeder is the only one needed if rear caliper has not been disassembled.

Bleed starting with the longest brakeline. On 4-piston calipers, bleed both inside and outside bleeders.
Bleed starting with the longest brakeline.
Bleed starting with the longest brakeline. Hydraulic unit screw labeled "SP" must be opened and bled.
See service manual for special procedure.

Engine must be running when bleeding brakes. If master cylinder requires bleeding, bleed first.

Engine must be running when bleeding brakes. If master cylinder requires bleeding, bleed first.
See service manual for special procedure.
See service manual for special procedure.
Engine must be running when bleeding brakes. If master cylinder requires bleeding, bleed first.
Engine must be running when bleeding brakes.
Engine must be running when bleeding brakes. If master cylinder requires bleeding, bleed first.
Both rear wheels are controlled by RR bleeder.
Engine must be running when bleeding brakes.

Engine must be running when bleeding brakes.

Brake pedal must not be depressed when pressure bleeding.
If equipped with hydraulic modulator, bleed before front brakes.
LR is bled by Load Sensing Proportioning Valve (LSPV).
Fluid level must be checked frequently.
Engine must be running while bleeding brakes on model year 1989 Galant and Mirage.

ABS actuator connectors must be disconnected or disconnect the battery before bleeding.

Master cylinder lines must be bled first.
Disconnect battery or ABS actuator for 2WD models or electric unit on 4WD models. If equipped with I
Fluid level must be checked frequently.
If equipped with load sensing proportioning valve, bleed before rear wheels. Before bleeding, hydraulic
If equipped with load sensing proportioning valve, bleed before rear wheels.
ABS actuator connectors must be disconnected or disconnect the battery before bleeding.

ABS actuator connectors must be disconnected or disconnect the battery before bleeding.
Allow 20 second intervals between pedal strokes when bleeding secondary bore (front outlet) of master
Allow 5 second intervals between pedal strokes when bleeding master cylinder manually. Hydraulic ac
Allow 5 second intervals between pedal strokes when bleeding master cylinder manually.
ABS actuator connectors must be disconnected or disconnect the battery before bleeding.

Wheel cylinders must be bled after load sensing proportioning valve.
Wheel cylinders must be bled after load sensing proportioning valve.
If vehicle is equipped with a load sensing proportioning valve, it must be bled first.
If vehicle is equipped with a load sensing proportioning valve, it must be bled first. Next bleed wheel b
ABS actuator must be disconnected or disconnect the battery before bleeding. If vehicle is equipped w

ABS actuator connectors must be disconnected or disconnect the battery before bleeding.

ABS actuator connectors must be disconnected or disconnect the battery before bleeding. Next bleed

ABS actuator connectors must be disconnected or disconnect the battery before bleeding.

ABS actuator connectors must be disconnected or disconnect the battery before bleeding. Next bleed

RR bleeding is controlled by LR bleeder. ABS actuator connectors must be disconnected or disconnect
RR bleeding is controlled by LR bleeder.

Master cylinder lines must be bled first.

Master cylinder lines must be bled first. Allow 5 second intervals between pedal strokes on Pulsar and
Fluid level must be checked frequently.

Weight must be on vehicle's wheels while bleeding. Recommended method of bleeding is by pressure
All wheels must be bled at the same time if pressure bleeding. If vehicle is equipped with rear disc bra
Weight must be on vehicle's wheels while bleeding. With key off, pump pedal 25 times to release syst

Outer caliper bleeder must be bled first if vehicle is equipped with both inner and outer.

ABS tester is required to bleed ABS portion of system. Normal methods can be used to bleed convent
Fluid life is 2 years, DOT 4 is required. Recommended method of bleeding is by pressure. Use short p
Fluid life is 2 years, DOT 4 is required. Recommended method of bleeding is by pressure. Use short p
DOT 4 brake fluid is required. Master cylinder must be bled before wheels. Next bleed both caliper ble
DOT 4 brake fluid is required. Bleed clutch hydraulics and master cylinder and change fluid. Bleed lcc
Fluid life is 2 years, DOT 4 is required. Use short pedal strokes when manual bleeding high milage veh
Fluid life is 2 years, DOT 4 is required. Use short pedal strokes when manual bleeding high milage vel

Engine must be off while bleeding.

Fluid level must be checked frequently.

Fluid level must be checked frequently.

DOT 4 brake fluid is required.

System must be free of pressure. Key off and pump pedal 20 times. Fronts must be bled first by r
System must be free of pressure. Key off and pump pedal 20 times. Fronts must be bled first by r

System must be free of pressure. Key off and pump pedal 20 times. Fronts must be bled first by r
Breakout Box (86-11-06), Breakout Box Lead (86-11-006), and Jumper Harness (86-11-212) is require

Fluid level must be checked frequently.

Fluid level must be checked frequently.

Longest line must be bled first.

See service manual for special bleeding procedure.

Allow 3-4 second intervals between pedal strokes when manually bleeding.

Before bleeding RF and LR, bleed secondary hydraulic unit bleeder. Before bleeding LF and RR, blee

Allow 3-4 second intervals between pedal strokes when manually bleeding.

See service manual for special bleeding procedure.
See service manual for special bleeding procedure.
Primary and secondary hydraulic unit must be bled before bleeding wheels.
Master cylinder lines must be bled first.
Fluid level must be checked frequently.
Fluid level must be checked frequently.

RR bleeding is controlled by Load Sensing Proportioning Valve (LSPV).
RR bleeding is controlled by LR bleeder.
Fluid level must be checked frequently.
RR bleeding is controlled by Load Sensing Proportioning Valve (LSPV).
RR bleeding is controlled by Load Sensing Proportioning Valve (LSPV).
RR bleeding is controlled by Load Sensing Proportioning Valve (LSPV).
RR bleeding is controlled by Load Sensing Proportioning Valve (LSPV).
RR bleeding is controlled by LR bleeder. After wheels have been bled, bleed pressure limit valve.
RR bleeding is controlled by LR bleeder. Tech-2 is required to place displacement pistons in upper po
RR bleeding is controlled by LR bleeder.
Fluid level must be checked frequently.
Tech-2 is required to place displacement pistons in upper position. See service manual for procedure.
RR bleeding is controlled by Load Sensing Proportioning Valve (LSPV).
See service manual for procedure if standard bleeding does not remove all air or if ABS actuator is rep

Longest line must be bled first and shortest line must be bled last. See service manual for special blee
See service manual for special procedure if hydraulic brake booster has been disassembled or replace
Longest line must be bled first and shortest line must be bled last. See service manual for special blee
Longest line must be bled first and shortest line must be bled last. See service manual for special blee
Longest line must be bled first and shortest line must be bled last. After bleeding wheel cylinders, blee

When bleeding brake pressure regulator lever must be pushed toward rear axle.
Fluid level must be checked frequently.
If vehicle is equipped with booster, disconnect vacuum hose and check valve before bleeding. When t
DOT 4 brake fluid is required. If vehicle is equipped with booster, disconnect vacuum hose and check
DOT 4 brake fluid is required. System must be free of pressure. With key off, brake pedal must be de
DOT 4 brake fluid is required. If vehicle is equipped with booster, disconnect vacuum hose and check
DOT 4 brake fluid is required. Fluid level must be checked frequently. ABS must be bled using VW sc
DOT 4 brake fluid is required. Fluid level must be checked frequently. If vehicle is equipped with rear

Rear of vehicle must be higher than front. All 3 front caliper bleeders must be bled at same time.
Fluid level must be checked frequently.
Fluid level must be checked frequently.
Bleed both bleeders at same time if calipers are equipped with 2.
Bleed both bleeders at same time if calipers are equipped with 2.
DOT 4 brake fluid is required.
Dot 4 brake fluid is required. Shut engine off and depress pedal 3-4 times, 1.6 inches (40.6mm) is the

psi max.

Depress pedal slowly with 5 second intervals when manual bleeding.

Standard and special procedure.

For vehicles with a sensing proportioning valve first on vehicles equipped. Bleed master cylinder first if equipped with a bleeder screw. For vehicles with a sensing proportioning valve first on vehicles equipped. Bleed master cylinder first if equipped with a bleeder screw.

Standard procedure for charging system procedure.

Standard procedure for procedures.

Accumulator can be charged while bleeding. Accumulator MUST be fully charged to bleed rears. Key on to allow the accumulator to charge.

Standard procedure.

Standard procedure.

Required to bleed rear brakes. Bleeder screws must be open and pedal must be depressed. Then key on, close bleeder screws. (Probe or Festiva)

t be free of pressure. With key off pump pedal hard at least 20 times. Accumulator MUST be fully charged to bleed
bleeding. The Anti-Lock Breakout Box (T90-P-50-ALA) is required to bleed hydraulic control unit and master cylinder
al for bleeding procedures.

replacing hydraulic control unit.

cedure.

is a 2-step procedure. See service manual for procedure.
cedure.

cylinder equipped 1981 and later models

ing hold metering valve open.

ing a Combination Valve Pressure Bleeder Adapter (J-39177) is required.

sure bleeding to hold the combination valve stem open.

vice manual for procedure.

ing slowly stroke the pedal.

ing slowly stroke the pedal.

ing slowly stroke the pedal.

akes on model years 1986-87, hold open the metering valve.

akes on model years 1986-87, hold open the metering valve.

is. See service manual for procedure.

then depress pedal slowly. Key on and pedal stroke will pressurize the system. Last bleed the rear brakes and
ist 40 times hard. Attach pressure bleeder and pressurize to 35 psi. While bleeding make sure to tap the caliper

is. See service manual for procedure.

vice manual for procedure.

ist be free of pressure before bleeding. With key off pump pedal at least 25 times hard. Rear brakes must be pre

ing, Combination Valve Pressure Bleeder (J-39177) is required.

slow pedal strokes when manually bleeding.

slow pedal strokes when manually bleeding.

slow pedal strokes when manually bleeding.

slow pedal strokes when manually bleeding.

l. Allow 5 second intervals between pedal strokes. Key must be on when bleeding motor and accumulator.

ә.

ie brake at a time while barely depressing pedal for a 10 second duration. When bleeding the front brakes either

s.

needed for pressure bleeding.

on manual bleeding. When pressure bleeding rear brakes metering valve must be held open and Combination V:

on manual bleeding. When pressure bleeding rear brakes metering valve must be held open and Combination V:

vice manual for procedure.

vice manual for procedure.

әdure.

ig slowly stroke pedal.

ig slowly stroke pedal.

әdure.

ssure bleeding to hold the combination valve stem open.

vice manual for procedure.

vice manual for procedure.

әdure.

ip master cylinders. (1981 and later)

anual bleeding.

ssure Bleeder Adapter (J-39177) is required when pressure bleeding.

ig stroke pedal slowly.

ig stroke pedal slowly.

ress pedal slowly. Next pressurize system with key on by stroking pedal once and bleed rear brakes. For 15 se:

pump pedal at least 25 times hard. Rear brakes must be pressure bled with accumulator pressurized. With key

procedure.

metering valve must be held open to pressure bleed.

metering valve must be held open to pressure bleed.

for master cylinders. (1981 and later) Metering valve must be held open when bleeding.

Pressure Bleeder Adapter (J-39177) is required when pressure bleeding.

See service manual for procedure.

See service manual for procedure.

Depress pedal slowly.

Depress pedal slowly.

metering valve must be held open to pressure bleed.

Pressure Bleeder Adapter (J-39177) is required when pressure bleeding.

See service manual for procedure.

Depress pump pedal at least 25 times hard. Rear brakes must be pressure bled with accumulator pressurized. With key

procedure.

Depress pedal slowly. Next pressurize system by keying on and bleed rear brakes. For 15 seconds slowly depress

See service manual for procedure.

See service manual for procedure.

metering valve stem must be held open to bleed front brakes on all other wheels.

metering valve stem must be held open to bleed front brakes on all other wheels.

metering valve stem must be held open to bleed front brakes on all other wheels.

metering valve stem must be held open to bleed front brakes on all other wheels.

metering valve stem must be held open to bleed brakes.

metering valve stem must be held open to bleed brakes.

metering valve stem must be held open to bleed brakes. See service manual for procedure to bleed ABS hydraulic control unit.

See service manual for procedure.

metering valve stem must be held open to bleed brakes. See service manual for procedure to bleed ABS hydraulic control unit.

Depress pedal slowly. ABS must be bled independent of base braking system. Base braking system is bled by normal maintenance procedure.

Depress pedal slowly. ABS must be bled independent of base braking system. Base braking system is bled by normal maintenance procedure.

Depress pedal slowly. If HCU has been replaced then ABS requires special bleeding. See service manual for procedure.

and or if HCU has been replaced then ABS requires special bleeding. See service manual for procedure.

After bleeding wheels.

When the combination valve must be depressed to bleed front brakes when pressure bleeding.

Wheels must be bled after bleeding wheels.

When manual bleeding. Combination valve stem must be held open when pressure bleeding. It is not recommended

to

When metering valve stem must be held open.

When the combination valve must be depressed to bleed front brakes when pressure bleeding.

When slow pedal strokes.

When ABS brakes/bleed brakes, then disconnect DRB and bleed base brakes again.

When Teves ABS brakes/bleed brakes, then disconnect DRB-III and bleed base brakes again.

When connector (DLC). Select antilock brakes, miscellaneous, then ABS brakes. Follow directions until it says test complete

When pressure bleeding. Engine must be running and with hard pedal strokes after sequence rebleed RR on 5000 V8 Quattro

When pressure bleeding. Brake pressure regulator must be pushed towards rear axle before bleeding.

When bled with 2 bleeders, inner is bled first, followed by outer. If calipers are equipped with 3 bleeders, lower inboard

d. Pedal must be held down hard, then open bleeder. Repeat this process 10 times. This procedure must be repeated on floor and close bleeder. Process must be repeated on remaining wheels in sequence.

several times before rear brakes can be bled. In order to bleed rear brakes, open LR bleeder and hold pedal half way

down. Allow 15 second intervals between slow pedal strokes when manual bleeding.

down. Allow 15 second intervals between slow pedal strokes when manual bleeding.

See manual for procedure.

re (LSV) must be bled before wheel brakes.

led before front brakes.

hen manual bleeding. Combination valve stem must be held open when pressure bleeding. It is not recommended to remove the main fuse before bleeding system.

before bleeding. Key off, pump pedal at least 20 times until solid. Allow 3 second intervals between pedal strokes.

Special procedure.

Reassembled or replaced.

Reassembled or replaced.

Reassembled or replaced.

If the master cylinder has run dry or has been replaced, bleed it next.
Bleed before wheels. See service manual for procedure.
Bleed when disconnected or if HCU has been replaced.

Front wheels are controlled by LR bleeder.

until fluid runs clear after brakes have been bled on vehicles equipped with traction control.

load sensing proportioning valve bleed first, next bleed brakes, and last bleed ABS actuator on 2WD models or A
: actuator electrical connector must be disconnected. After bleeding wheels bleed front side of actuator followed

or cylinder and LR and RF wheels. Allow 5 second intervals between strokes when bleeding primary bore (rear).
: actuator connector must be disconnected before bleeding. After bleeding wheels, bleed front side of actuator follow

rakes, and finally bleed the ABS actuator.
with load sensing proportioning valve, it must be bled first.

wheel brakes followed by front then rear side of the actuator.

wheel brakes followed by front then rear side of the actuator.

at the battery before bleeding. Next bleed wheel brakes followed by front then rear side of the actuator.

l Sentra models.

3. All wheels must be bled at the same time, close bleeders in sequence.

brakes, pistons must be collapsed into caliper before bleeding.

Remove pressure. Fronts should be bled first, then bleed rears one at a time. Turn key on with pedal depressed. Close

bleeder on master cylinder primary cup. Use this procedure if hydraulic unit is removed or replaced. Use this procedure if hydraulic unit is removed or replaced.

Use this procedure if hydraulic unit is removed or replaced. Use this procedure if hydraulic unit is removed or replaced.

Use this procedure if hydraulic unit is removed or replaced. Use this procedure if hydraulic unit is removed or replaced.

Use this procedure if hydraulic unit is removed or replaced. Use this procedure if hydraulic unit is removed or replaced.

normal method. Rears must be bled one at a time. While depressing pedal, key on. Close bleeder after fluid is clear.

normal method. Rears must be bled one at a time. While depressing pedal, key on. Close bleeder after fluid is clear.

normal method. Rears must be bled one at a time. While depressing pedal, key on. Close bleeder after fluid is clear. See service manual for special procedure. Dot 4 brake fluid is required.

and primary hydraulic unit bleeder.

sition. See service manual for procedure.

placed.

Reinstalling procedure for ABS actuator.

Reinstall.

Reinstalling procedure for Rear Anti-Lock System (RABS).

Reinstalling procedure for TRAC system if traction actuator or master cylinder is removed.

Reinstall by-pass valve and load sensing proportioning valve.

When bleeding, brake pressure regulator lever must be pushed toward rear axle.

Check master cylinder level before bleeding. Brake pressure regulator lever must be pushed toward rear axle while bleeding. Bleed pressure regulator lever at least 20 times. Front brakes may be bled using normal manual or pressure methods. Rear brakes must be bled using pressure method. Check master cylinder level before bleeding. Brake pressure regulator lever must be pushed toward rear axle while bleeding. Bleed pressure regulator lever using a bleed screwdriver (VAG 1551) if ABS hydraulic unit runs dry or is replaced.

When bleeding rear wheels, move brake pressure regulator lever toward rear wheels when bleeding rear wheels.

Check pedal travel. If pedal travel exceeds specifications, bleed again and recheck travel.

crew. A DRB-II is required to bleed modulator see service manual for procedure.
crew. A DRB-II is required to bleed modulator see service manual for procedure.

for to charge, depress pedal and keep bleeder open for 10 seconds. Fluid pressure will be high.

bleeder screws and key off and stroke pedal.

ped rear. Key on to allow accumulator to charge, depress pedal and keep bleeder open for 10 seconds. Fluid pressure. Before bleeding lines accumulator must be free of pressure. With key off pump pedal at least 20 times ha

l depress pedal slowly to halfway for a duration of 15 seconds.
rs with a rubber mallet.

pressure bled with accumulator pressurized. Key on and bleed one side at a time while for a 10 second duration de

· manual or pressure bleeding is acceptable. Accumulator must be free of pressure. With key off pump pedal at

valve Pressure Bleeder Adapter (J-39177) is required.
valve Pressure Bleeder Adapter (J-39177) is required.

conds

on bleed one at a time and depress pedal for a duration of 10 seconds.

on bleed one at a time and depress pedal for a duration of 10 seconds.

pedal

ier models.
ier models.
ier models.
ier models.

nual or pressure bleeding. A DRB-II is required to bleed ABS. See service manual for procedure. Base brake sy
nual or pressure bleeding. A DRB-II is required to bleed ABS. See service manual for procedure. Base brake sy

led to vacuum or gravity bleed. See service manual for special procedure if replacing Brake Pressure Modulator V

omplete, then disconnect DRB-III and bleed base brakes again.

models.

1 is bled first, followed by other 2 together.

peated for each wheel in sequence.

way down. Key on to operate pump and close bleeder when no air bubbles are present. Repeat procedure on R

nded to gravity or vacuum bleed. If replacing Brake Pressure Modulator Valve, see service manual for procedure

es. Pedal must be released slowly. To bleed rear brakes, accumulator must be discharged. RR bleeder is oper

\BS actuator and electric unit on 4WD models.

by rear side.

red by rear side.

Use bleeder after fluid is key, then turn key off. Before repeating steps for other rear wheel, system must be depre

rs.

Use this procedure if hydraulic unit is removed or replaced. Pressure bleeder must be connected to master cylinder
to remove fluid at lock cylinders and operate solenoid valve, use Porsche Tester (9288).

Use this procedure if hydraulic unit is removed or replaced. Pressure bleeder must be connected to master cylinder, Porsche Tester 2 must be connected to the Data

clear. Key off and release system pressure again. Repeat process on other rear.

clear. Key off and release system pressure again. Repeat process on other rear.

clear. Key off and release system pressure again. Repeat process on other rear.

Pressure regulator first on Quantum Synchro.

Just have system free of pressure. Open bleeder screw after connecting bleeder hose. Key on, until fluid flows

Pressure regulator first on Quantum Synchro.

pressure will be high.
and then bleed with pressure method.

pressing the brake pedal.

least 25 times hard.

stem must be bled again after ABS.

stem must be bled again after ABS.

/alve or Electro-Hydraulic Unit.

!R. System is under high pressure.

pedal first, hold pedal down, and key on. Wait at least 15 seconds to allow fluid to flow clear, then close bleeder. 5

repressurized again.

or, Porsche Tester 2 must be connected to the Data Link Connector in the driver's footwell. Key on, then open th

Link Connector in the driver's footwell. Key on, then open the bleeder valve on RR. Choose ABS bleed option c

clear, press regulator level towards the rear axle. Finally close the bleeder and relieve system of pressure. Rep

Slowly release pedal and key off. Repeat for LR.

ie bleeder valve on RR. Choose ABS bleed option on tester. On tester choose START. System must be bled u

on tester. On tester choose START. System must be bled until fluid is free of air bubbles. Now close the bleede

Repeat procedure for other rear wheel.

n RR. Choose ABS bleed option on tester. On tester choose START. System must be bled until fluid is free of :

ar choose START. System must be bled until fluid is free of air bubbles. Now close the bleeder and stop the ble