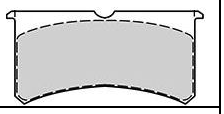
MAINTENANCE AND ORIGINAL PARTS

All pieces listed below are included in the kit but are listed here for reference and long term replacement.

Part numbers listed are typical, but equivalent brands may be substituted unless otherwise stated. Fluids and capacities are listed on page 143.

BRAKES

All pieces listed below are included in the kit but are listed here for reference and long term replacement.

FRONT	Caliper	Pads	Rotor thicknes smax/min
With GM caliper	1975 Camaro	Bendix D52S	1.040"-0.970"
	Rotor, bolt-on	Bendix 141040	
	Rotor, pin - drive	ERA 121.25112.1	
With 4-piston caliper (XL)	Early: Wilwood 160-3871 (LH) and Wilwood 160-3870 (RH) **Late**, with bolt retainer, L/R: 120-11136	Pad retained by cotter pin: Wilwood 150-8856K Pad retained by bolt: Wilwood 150-8854K 	1.250"-1.190"
	Rotor, bolt-on and pin-drive	Wilwood 160-11835	
REAR			
Jaguar	Pad: (1980 XJ-6)	Lucas/Girling GP97	
	E.B pad set	Girling GP175 Ferodo JLM1514	0.500"-0.470"
	Rotor (same origin)	Engle Import C26779	
ERA Outboard brakes	'93-'97 GM "F body" (Camaro/ Firebird)	Bendix MKD750, MRD750, PMD750	0.810"-0.770"

HYDRAULICS

Brake master cylinders (Chassis 220-on) Front	Tilton 74-875U
Rear	Tilton 74-750U
Adapter, brake light switch	Fragola 650206 (#3 x 1/8 FPT)
Line, Flex (GM caliper) front	Raybestos bh36845 or EIS SP5753 (modified)
Rear (Jag based) (chas to subframe)	Raybestos BH36612, AC Delco 18J1780
Clutch master cyl. ($^3/_4$") standard	Tilton 74-750, 74-875 ($^7/_8$") or 74-1000 (1")
Clutch slave cylinder: ** (BMW fits 72-76 2002)	BMW 2152 1104 269 (20.5 mm, .81" ID)
** Note that the narrow sealing surface on some replacement slave cylinders prevent a good seal at the hose. Consequently, we offer an improved hose to fix the problem. A drawing of the hose is on the owners section of erareplicas.com. Inquire.	
Bearing, shaft /clutch pedal:	Tor. B1416
Thrust washer	Tor. TRA1423
Bearing, balance bar	Heim LSS-8

SUSPENSION, FRONT:

The upper and lower ball joints are from: 73-88 Chevelle, 70-96 Camaro and 77-85 Impala.	
Ball joint, lower:	Moog 6145, Rep. 10277
Ball joint, upper:	Moog 5208, Rep. 10268
Bushing, lower, inner pivot	Energy Suspension 9.9111G (set) or from ERA
Tie rod end, outer: *Fits Chevy Vega, 1972-1979.*	Republic ES 425R Moog ES425RL
Tie rod end, inner:	E.R.A. part
Sway bar, link:	MOOG K6630, Energy Suspension 9.8117G
Bushing and bracket	Energy Suspension 9.5128G
Wheel Bearings, Front inner, outer	See page 20.
Seal, inner, F hub	National 8871
Bushing, upper, inner pivot:	TRW 12310
Upper control arm shaft w/bushes Bushings only	MOOG K6148 MOOG K6108
Shafts and bushes are from 1970-73 Chevy Camaro	
Steering gear	Flaming River FR1502 3X3 (Tie rods modified)
Rack mounting bushing	Energy Suspension 15.10.199.39
Tie-rod boot for Mustang based gear	Flaming River FR1502B

TRAILING ARM, JAG

(Front) Bushing/sleeve set	Energy Suspension 9-9105GX
Rear (rod end)	HM-10 rod end bushed to ½" ID or one-piece high angle equivalent. (Requires different length spacers.)

TRAILING ARM, ERA

(Front) Bushing/sleeve set	Energy Suspension 9-9105GX
Rear (rod end)	HM-8 rod end, preferably lined

SUSPENSION, JAGUAR REAR:

Inner pivot bearing, lower wishbone	Tor. B146
Outer fulcrum bearing, lower wishbone	Timken 03062/03162
Seal, inner fulcrum	Jaguar C17168
Seal, outer fulcrum	National 471652
Bearing, inner hub	Timken 18520/18590
Bearing, outer hub	Timken 18620/18690
Hub seal, inner	Jag GHS154, Moss C15231
Hub seal, outer	Jag GHS115, Moss C24789 (large)
Anti-Sway bar link	Energy Suspension 9.5128G
clamp and bushing	Energy Suspension 9.5123
Axle shaft universal jt.	Jaguar XJ or Spicer 5-160X replacement
Subframe pivot bush	Moog K8169 or Energy Supension ENS-3-2126G
Pinion seal (most)	AAU3381A

SUSPENSION, REAR, OUTBOARD BRAKES

Outer fulcrum bearing, lower wishbone	Timken 03062/03162
Upper trailing arm, Frnt	HMR-8
Rear	HML-8
Upper radius rod, inner	HMR-8
Upper rad. rod, outer	HML-8
Lower rad. rod, Rr in'r	HFR-8
Lower rad. rods, out'r	Energy Susp. 9-9105
Lower rad. rod, F in'r	HMR-8
Lower trailing arm, F	Energy Susp. 9-9105
Lower trailing arm, Rr	HMR-8
Subframe, top mt.	Same as Jaguar ⇑
Subframe, bottom mt.	Energy Susp. 9-9107
BEARINGS and SEALS	**All from 1976 Jag XJ**
Bearing, inner hub	Timken 18520/18590
Bearing, outer hub	Timken 18620/18690
Hub seal, inner	Beck Arnley 052-0221
Hub seal, outer	Beck Arnley 052-0643
Sway bar link	Republic SL18050
clamp and bushing	Energy Suspension 9.5123
Axle shaft universal joint	Jaguar XJ or Spicer 5-160X replacement
Subframe pivot bush	Republic 12292
Pinion seal (most)	AAU3381A or inquire for non-leather replacement

BODY

Bushing, Door hinge	FB58-5 Oilite®

COOLING SYSTEM: SEE THE INDEX

STEERING COLUMN:

Bushing, early column housing (with rubber insulators)	Lucas 209423 (Triumph Spitfire)
Bushing, late column	Nylon bush, 1"OD x $^{3}/_{4}$"ID x 1"L (McMaster Carr 6389K226)
Joint, universal	Borgeson U15N $^{9}/_{16}$"x $^{/}/_{16}$" (part of E.R.A. assembly)

RELAYS, SWITCHES

Relay (Horn and radiator fan)	Bosch/Tyco V23234-A001-X032 or VW 321 919 505
Switch, Ignition (unmodified)	Standard US-14
Switch, fan thermo	1980-1984 VW Rabbit, Jetta: 823 959 481/75
Relay (tail-light)	Standard Ign. TC-52, Curt 58240
Switch, Brake light	Ford 100810B, GM 403936, Cole Hersey 8626, Wagner FC5106
ERA Column Signal/Dimmer Switch	VW ('66-'67 Bug) 141 953 517F
Dimmer relay	VW 111 941 583 411 941 583C * Airtex 1R1744 * NAPA ECHAR284 *Requires harness modification
(Ignition and trunk keys	Ignition: Standard Motor Products Y11 Trunk: Lucas FS Series
E.R.A. and Trumph Flasher	Buss 180

Bulbs

Headlight	6014
Frt signal/parking light	1157 or 2357 (brighter)
Rr signal/parking light	1157 (round light), 2357 (rect light)
Instrument lighting	Smith: GE, Osram 159 S/W short socket: 1893 S/W long socket: 57
Warning lights	Osram 3898**,** Wagner 11009 (BA7S base, 12V, 2W). Used on Honda, VW *Later cars have one-piece "fixtures". The bulb is not serviceable. The whole warning light must be replaced.
License plate (2 rqd)	57

FUEL SYSTEM

Filler cap (inner), std	Stant 10810 (1980 Mustang w/3.3L, must be vented)
Filler cap (inner), locking	Stant 10582
Fuel filter, in-line (carburetor)	Wix 33033 Fram G13
Fuel level sender in tank (S/W and Smith gauges	Stewart Warner 385B-F (33Ω full, 240Ω empty)

CAPACITIES/LUBRICANTS

Engine Oil

Ask your engine builder for viscosity recommendations.

FE engine with Canton pan: 7.5 qts.
w/ oil cooler 8 qts.

Add for remote filter: .5 qt.

Brakes: Use DOT 3, DOT 4 or DOT 5.1 fluid for both the brake and clutch systems. We use ATE 200 or Castrol LMA in our rollers. Silicone-based fluid is not recommended.

Transmission:
Ford Top Loader: Fill to hole with 80W-90 GL5 gear oil
Richmond Gear 5 speed: 2 US qts of Redline 75-90 NS
Tremec TKO: GM Synchro transmission fluid or Dexron II
Ford T-5: Ford Automatic transmission fluid

Differential: The filler and drain plugs are ½" square. Fill to the bottom of the filler hole (total gear lube and additive approximately 3.2 pints) with Moroso climbing gear lube, SAE 90, part number 34800. Mix with 2 tubes of GM additive 1052358 or MOPAR additive 4318060AB. If the the Moroso lube is not available, you may use 80W-90 GL5 lubricant with the same limited slip additive.

Suspension: Use an EP-type grease on all pieces with grease nipples. Use a silicone grease when lubing the front lower control arm inner bushes (only necessary when you are replacing them).

Dampers: Cover the lower Rose joint (spherical bearing) with silicone or other heavy grease. If the car is laid up for long periods, put some silicone grease on the shaft so that the shaft seal doesn't dry out.