

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1991

Manufacturer CHRYSLER MOTORS CORPORATION	Vehicle Line DODGE, PLYMOUTH COLT	
Mailing Address 12000 CHRYSLER DRIVE CIMS 418-05-30 DETROIT, MICHIGAN 48288 - 1118	Issued 9-15-90	Revised

Direct questions concerning these specifications to the manufacturer listed above.

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The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.

MVMA Specifications

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NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt
Model Year 1991 Issued 1990-8 Revised (•) _____

Design & development (company)	Mitsubishi Motors Corporation
Where built (country)	Japan
Authorized U.S. sales marketing representative	Chrysler Corporation

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Migr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
2 DOOR HATCH BACK (FWD)		C52AMNMEL 2/7 C52AMKMEL 2/7 C52AMFSEL 2/7 C52AMKSEL 2/7	5 (2/3) 5 (2/3) 5 (2/3) 5 (2/3)	35 Kg (77 lbs)	29/35 28/31 31/36 28/31

* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

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Power Teams

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

			A	B	C	D	
E N G I N E	Engine Code		4G15		4G15		
	Displacement Liters (in³)		1.468 (90)		1.468 (90)		
	Induction system (FI, Carb, etc.)		F.I.		F.I.		
	Compression ratio		9.2		9.2		
	SAE Net at RPM	Power kW (bhp)	68 (92) at 6000		68 (92) at 6000		
		Torque N • m (lb. ft.)	126 (93) at 3000		126 (93) at 3000		
Exhaust single, dual		Dual		Dual			
T R A N S	Transmission/ Transaxle		*1 Manual 4-Speed	*2 Manual 5-Speed	Automatic 3-Speed		
	Axle Ratio (std. first)		3.454	4.021	3.600		

[illegible]

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Engine Description
 Engine Code

4G15 (1.468 Liters)	
MT	AT

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hpmi, wedge, pro-cambor, etc.)	In line, Front, Transverse	
Manufacturer	Mitsubishi Motors Corporation	
No. of cylinders	4	
Bore	75.5	
Stroke	82	
Bore spacing (C / L to C / L)	82	
Cylinder block material & mass kg (lbs.) (machined)	Cast iron, 27.1 (59.7)	
Cylinder block deck height	201	
Cylinder block length	362	
Deck clearance (minimum) (above or below block)	0	
Cylinder head material & mass kg (lbs.)	Aluminum alloy, 6.5 (14.3)	
Cylinder head volume cm ³ (inches ³)	31.0	
Cylinder liner material	N.A.	
Head gasket thickness (compressed)	1.25	
Minimum combustion chamber total volume cm ³ (inches ³)	43.7	
Cyl. no. system (front to rear)*	L. Bank	N.A.
	R. Bank	N.A.
Firing order	1-3-4-2	
Intake manifold material & mass kg (lbs.)**	Aluminum alloy, 4.1 (9.0)	
Exhaust manifold material & mass kg (lbs.)**	Cast iron, 5.9 (13.0)	
Knock sensor (yes / no)	No	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) ÷ 2	No less than 87	
Engine mounts	Quantity	4
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	Crossmember
Total dressed engine mass (wt) dry***	110	105

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum alloy, 242 (9)
--	-------------------------

Engine - Camshaft

Location	Cylinder Head
Material & mass kg (weight, lbs.)	Cast iron, 2.83 (6.25)
Drive type	Chain / belt
	Belt
	22.0 / 9.525

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Finished state.

*** Dressed engine mass (weight) includes the following:

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Engine Description
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4G15 (1.468 Liters)

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	N.A.
Valves	8/4
Head O.D. intake / exhaust	26,31/33 (mm)

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged iron, 0.40 (0.88)
Length (axes C/L to C/L)	131

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Cast iron, 10.0 (22.05)
End thrust taken by bearing (no.)	3
Length & number of main bearings	19mm, 5
Seal (material, one, two piece design, etc.)	Front Synthetic rubber, One piece
	Rear Synthetic rubber, One piece

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	300 (42.6) at 2000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c/case, less filter-refill-L (qt.)	3.0 (2.6)

Engine - Diesel Information

Diesel engine manufacturer	-
Glow plug, current drain at 0°F	-
Injector nozzle	Type -
	Opening pressure kPa (psi) -
Pre-chamber design	-
Fuel in-jection pump	Manufacturer -
	Type -
Fuel injection pump drive (belt, chain, gear)	-
Supplementary vacuum source (type)	-
Fuel heater (yes/no)	-
Water separator, description (std., opt.)	-
Turbo manufacturer	-
Oil cooler-type (oil to engine coolant; oil to ambient air)	-
Oil filter	-

Engine - Intake System

Turbo charger - manufacturer	N.A.
Super charger - manufacturer	N.A.
Intercooler	N.A.

* Finished State

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Engine Description
 Engine Code

4G15 (1.468 Liters)	
MT	AT

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Std.	
Coolant fill location (rad., bottle)		Bottle	
Radiator cap relief valve pressure kPa (psi)		88 (12.8)	
Circulation thermostat	Type (choke, bypass)	Choke pellet	
	Starts to open at °C (°F)	88 (190.4)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	-	
	Number of pumps	1	
	Drive (V-belt, other)	V ribbed belt	
	Bearing type	Ball, integral shaft permanently sealed	
	Impeller material	Cold-rolled carbon steel sheet	
	Housing material	Aluminum die casting	
By-pass recirculation type (inter., ext.)		External	
Cooling system capacity	With heater - L(ql.)	5.0 (4.4)	
	With air conditioner - L(ql.)	5.0 (4.4)	
	Opt. equipment specify - L(ql.)	No	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		No	
Water jackets open at head face (yes, no)		No	
Radiator core	Std., A/C, HD	Std. and A/C	
	Type (cross-flow, etc.)	Down - flow	
	Construction (fin & tube mechanical, braze, etc.)	Tube and corrugated fin brazed	
	Material, mass kg (wgt., lbs.)	Copper & Brass, 2.6(5.7)	Copper & Brass, 5.2(11.5)
	Width	668	(mm)
	Height	375	(mm)
	Thickness	16	(mm)
	Fins per inch	15	20
Radiator end tank material		Plastic	
Fan	Std., elec., opt.	Electric	
	Number of blades & type (flex, solid, material)	4	
	Diameter & projected width	300	(mm)
	Ratio (fan to crankshaft rev.)	N.A.	
	Fan cutout type	N.A.	
	Drive type (direct, remote)	N.A.	
	RPM at idle (elec.)	1800	
	Motor rating (wattage/elec.)	45	
	Motor switch (type & location/elec.)	Thermo switch, RAD	
	Switch point (temp./pressure/elec.)	82°C - 85°C	
	Fan shroud (material)	Plastic	

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Engine - Fuel System (See supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		Mitsubishi Electric Co., Ltd.
Carburetor no. of barrels		-
Idle A/F mix.		14.7
Fuel injection	Point of injection (no.)	Air intake port (Four)
	Constant, pulse, flow	5.76mm ³ / 2.5m sec
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	329
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	750
	Automatic	N position 750
		D position 700
Intake manifold heat control (exhaust or water thermostatic or fixed)		N.A.
Air cleaner type		Dry, non-woven cloth
Fuel filter (type/location)		Paper filter, Engine room
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Tank
	Pressure range kPa (psi)	190-340 (28-50)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	90 (23.8), 250 (36)

Fuel Tank

Capacity refill L (gallons)		50 (13.2)
Location (describe)		Underneath rear Seat pan
Attachment		Weld bolt & nut
Material & Mass kg (weight lbs.)		Steel, 10.0 (22.0)
Filler pipe	Location & material	Right, rear quarter panel, Steel
	Connection to tank	Rubber hose
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	N.A.
	Capacity L (gallons)	N.A.
	Location & material	N.A.
	Attachment	N.A.
Auxiliary tank	Opt., n.a.	N.A.
	Capacity L (gallons)	N.A.
	Location & material	N.A.
	Attachment	N.A.
	Selector switch or valve	N.A.
	Separate fill	N.A.

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Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Three-way catalyst with feedback control Exhaust gas recirculation
	Air Injection	Pump or pulse	N.A.
		Driven by	N.A.
		Air distribution (head, manifold, etc.)	N.A.
		Point of entry	N.A.
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled flow
		Exhaust source	Exhaust port No.2
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake manifold
	Catalytic Converter	Type	Three-way
		Number of	1
		Location(s)	Under floor
		Volume L (in³)	0.8 (48.8) + 0.6 (36.6)
		Substrate type	Monolith
		Noble metal type	-
		Noble metal concentration (g/cm³)	-
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction system
	Energy source (manifold vacuum, carburetor, other)		Intake manifold vacuum
	Discharges to (intake manifold, other)		To intake manifold
	Air inlet (breather cap, other)		Air intake hose
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	-
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		Yes

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single with cross over
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs)		One (Reverse flow), Stainless Steel plate, 5.45 (12.02)
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	42.7 X 1.2
	Main o.d., wall thickness	42.7 X 1.2
	Material & Mass kg (weight lbs)	Stainless steel tube, 1.78 (3.92)
Inter-mediate pipe	o.d. & wall thickness	42.7 X 1.5
	Material & Mass kg (weight lbs)	Stainless steel tube, 3.89 (8.58)
Tail pipe	o.d. & wall thickness	42.7 X 1.2
	Material & Mass kg (weight lbs)	Stainless steel tube, 0.65 (1.43)

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4G15 (1.468 Liters)

Transmissions/Transaxle (Std., Opt., N.A.)

Manual 3-speed (manufacturer/country)	N.A.
Manual 4-speed (manufacturer/country)	Std., Mitsubishi Motors Corp. / Japan
Manual 5-speed (manufacturer/country)	Std., Mitsubishi Motors Corp. / Japan
Automatic (manufacturer/country)	Std., Mitsubishi Motors Corp. / Japan
Automatic overdrive (manufacturer/country)	N.A.

Manual Transmission/Transaxle		MT, 4-speed	MT, 5-speed
Number of forward speeds		4	5
Gear ratios	1st	3.363	3.363
	2nd	1.947	1.947
	3rd	1.285	1.285
	4th	0.939	0.939
	5th	-	0.777
	Reverse	3.083	3.083
Synchronous meshing (specify gears)		1,2,3,4	1,2,3,4,5
Shift lever location		Floor	
Trans. case mat'l. & mass kg (lbs)*		Aluminum alloy, 9.7(21.4)	Aluminum alloy, 9.8(21.6)
Lubricant	Capacity L (pt.)	1.7	1.8
	Type recommended	Multipurpose gear oil conforming to API GL-4	

Clutch (Manual Transmission)

Clutch manufacturer		Aisin Seiki Co., Ltd.	
Clutch type (dry, wet; single, multiple disc)		Dry single plate	
Linkage (hydraulic, cable, rod, lever, other)		Cable	Hydraulic
Max. pedal effort (nom. spring load) N (lbs)	Depressed	118 (27)	
	Released	78 (18)	
Assist (spring, power/percent, nominal)		No	
Type pressure plate springs		Diaphragm	
Total spring load (nominal) N (lbs)		3481 (783)	
Clutch facing	Facing mfg. & material coding	Hitachi Chemical Co., Ltd.	
	Facing material & construction	Woven	
	Rivets per facing	16	
	Outside x inside dia. (nominal)	200 X 130 (mm)	
	Total eff. area cm ² (in. ²)	363 (56.3)	
	Thickness (pressure plate side/fly wheel side)	3.5 / 3.5 (mm)	
	Rivet depth (pressure plate side/fly wheel side)	1.6 / 1.6 (mm)	
	Engagement cushion method	Flat-wave springs	
Release bearing type & method lub.		Ball bearing, permanently lubricated	
Torsional damping method, springs, hysteresis		Damper rubbers	

* Includes shift linkage, lubricant, and clutch housing. If other specify.

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Engine Description
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4G15 (1.468 Liters)

Automatic Transmission/Transaxle

Trade Name		Mitsubishi Motors Corp. F3A21
Type and special features (describe)		Look up torque converter with automatically operated planetary gear transmission. F3A21
Gear selector	Location (column, floor, other)	Lever : Console mounted
	Ltr./No. designation (e.g. PRND21)	P. R. N. D. 2. L / 6
	Shift interlock (yes, no, describe)	Yes, Shift lock with key inter lock
Gear ratios	1st	2.846
	2nd	1.581
	3rd	1.000
	4th	-
	Reverse	2.176
Max. upshift speed - drive range km/h (mph)		1-2 56 (35), 2-3 103 (64)
Max. kickdown speed - drive range km/h (mph)		2-1 48 (30), 3-2 97 (61)
Min. overdrive speed km/h (mph)		-
Torque converter	Number of elements	Three
	Max. ratio at stall	2.17 : 1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	240
	Capacity factor "K"	245
Lubricant	Capacity refill L (pt.)	6.1 (12.9)
	Type recommended	DIA ATF SP or MOPAR ATF PLUS automatic trans.fluid
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Std., External liquid
Transmission mass kg (lbs) & case material**		Aluminum alloy, 11.4 (25.1)

All Wheel / 4 Wheel Drive

Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		-
Transfer case	Manufacturer and model	-
	Type and location	-
Low-range gear ratio		-
System disconnect (describe)		-
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	-
	Torque split (% front/rear)	-

* Input speed + $\sqrt{\text{torque}}$

** Dry weight including torque converter. If other, specify.

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Engine Code

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MT, 4-Speed	MT, 5-Speed	AT

Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage)

Effective final drive ratio (or overall top gear ratio)		3.150	3.666	3.200
Transfer ratio and method (chain, gear, etc.)		1.096	1.096	1.096
Front drive unit	Ring gear o.d.	170.3	176.7	180.8
	No. of teeth	20	18	16
	Pinion	63	66	67

Front Drive Unit

Description (integral to trans., etc.)		Separable
Limited slip differential (type)		-
Drive pinion	Type	-
	Offset	-
No. of differential pinions		2
Pinion / differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Ball bearing
Lubricant	Capacity L (pt.)	Refer to transmission spec.
	Type recommended	Refer to transmission spec.

Axle Shafts - Front Wheel Drive

Manufacturer and number used			Mitsubishi Motors Corp., Two
Type (straight, solid bar, tubular, etc.)		Left	Straight bar
		Right	Straight bar
Outer diam. x length* x wall thickness	Manual transaxle	Left	24 X 695
		Right	24 X 368
	Automatic transaxle	Left	24 X 695
		Right	24 X 368
	Optional transaxle	Left	-
		Right	-
Slip yoke	Type		None
	Number of teeth		-
	Spline o.d.		-
Universal joints	Make and mfg. no.	Inner	Mitsubishi Motors Corp.
		Outer	Mitsubishi Motors Corp.
	Number used		Two X Two
	Type, size, plunge	Inner	C.V. joint
		Outer	C.V. joint
	Attach (u-bolt, clamp, etc)		-
	Bearing	Type (plain, anti-friction)	-
		Lubrication (fitting, prepack)	-
Drive taken through (torque tube, arms or springs)			Lower arm & Strut
Torque taken through (torque tube, arms or springs)			Lower arm & Strut

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Body Type And/Or
Engine Displacement

C52A

Suspension – General Including Electronic Controls

Car leveling	Standard/optional/not avail.	N.A.
	Manual/automatic control	N.A.
	Type (air/hydraulic)	N.A.
	Primary/assist spring	N.A.
	Rear only/4 wheel leveling	N.A.
	Single/dual rate spring	N.A.
	Single/dual ride heights	N.A.
	Provision for jacking	N.A.
Shock absorber damping controls	Standard/option/not avail.	N.A.
	Manual/automatic control	N.A.
	Number of damping rates	N.A.
	Type of actuation (manual/ electric motor/air, etc.)	N.A.
	s Lateral acceleration	N.A.
	n Deceleration	N.A.
	s Acceleration	N.A.
Shock absorber (front & rear)	s Road surface	N.A.
	Type	Front : Strut type Rear : Telescopic type
	Make	Kayaba Industry Co., Ltd.
	Piston diameter	Front : ϕ 32 Rear : ϕ 25 (mm)
	Rod diameter	Front : ϕ 22 Rear : ϕ 12.5 (mm)

Suspension – Front

Type and description		Independent strut type	
Travel*	Full jounce	110	(mm)
	Full rebound	60	(mm)
Spring	Type (coil, leaf, other & material)	Spring Steel	
	Insulators (type & material)	-	
	Size (coil design height & i.d.)	390 or 394 145.6 or 147.4	
	Spring rate N/mm (lb./in.)	15.69 (90) or 16.08 (92)	
	Rate at wheel N/mm (lb./in.)	14.46 (83) or 14.82 (85) Link	
	Type (link, linkless, frameless)	Link	
Stabilizer	Material & bar diameter	S45C or S48C, ϕ 16 (mm)	

Suspension – Rear

Type and description		3 Link torsionaxle	
Travel*	Full jounce	130	(mm)
	Full rebound	60	(mm)
Spring	Type (coil, leaf, other & material)	Spring Steel	
	Size (length x width, coil design height & i.d.)	349 85.2	
	Spring rate N/mm (lb./in.)	16.17 (92)	
	Rate at wheel N/mm (lb./in.)	15.68 (90)	
	Insulators (type & material)	Rubber pad	
	If leaf	No. of leaves	-
		Shackle (comp. or tens.)	-
Stabilizer	Type (link, linkless, frameless)	-	
	Material & bar diameter	-	
Track bar (type)			

* Define load condition:

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Body Type And/Or
Engine Displacement

C52A

Brakes - Service

Description			-		
Manufacturer and brake type (std., opt., n.a.)		Front (disc or drum)	Sumitomo Electric Industry Co.,Ltd.,Disc		
		Rear (disc or drum)	AKEBONO Brake Industry Co.,Ltd.,Drum		
Valving type (proportion, delay, metering, other)			Proportioning Valve		
Power brake (std., opt., n.a.)			Std.		
Booster type (remote, integral, vac., hyd., etc.)			Integral		
Vacuum	Source (inline, pump, etc.)		Inline		
	Reservoir (volume in. ³)		-		
	Pump-type (elec, gear driven, belt driven)		N.A.		
Traction control	Operational speed range		N.A.		
	Type engine intervention (electronic, mech.)		N.A.		
Anti-lock device	Front / rear (std., opt., n.a.)		-		
	Manufacturer		-		
	Type (electronic, mech.)		-		
	Number sensors or circuits		-		
	Number anti-lock hydraulic circuits		-		
	Integral or add-on system		-		
	Yaw control (yes, no)		-		
	Hydraulic power source (elec., vac. mtr., pwr. slrg.)		-		
Effective area cm ² (in. ²)*			F:160 (24.8) / R:234 (36.3)		
Gross Lining area cm ² (in. ²)*(F/R)			F:164 (25.5) / R:234 (36.3)		
Swept area cm ² (in. ²)*(F/R)			F:1048 (162.4) / R:396 (61.4)		
Rotor	Outerworking diameter	F/R	F: 232 / R: -		
	Inner working diameter	F/R	F: 143 / R: -		
	Thickness	F/R	F: 13 / R: -		
	Material & type (vented/solid)	F/R	F: Cast iron (Solid) / R:-		
Drum	Diameter & width	F/R	F:- / R: 180 & 39.5		
	Type and material	F/R	F:- / R: Cast iron		
Wheel cylinder bore			F: 51.1 / R: 19.05		
Master cylinder	Bore/stroke	F/R	Bore 20.64 / Stroke (pri: 13, Sec: 15)		
Pedal arc ratio			4.5		
Line pressure at 445 N(100 lb.) pedal load kPa (psi) 1			11033 (1608)		
Lining clearance			F:No major adjustment required R:0.15-0.35(Self adjusting)		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet size		-	
		Manufacturer		Sumitomo Electric Industry Co.,Ltd.	
		Lining code*****		SUMITOMO M9207H EE	
		Material		Molded	
		****	Primary or out-board	96 X 41.7 X 10	(mm)
		Size	Secondary or in-board	96 X 41.7 X 10	(mm)
		Shoe thickness (no lining)		5.0	(mm)
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Manufacturer		AKEBONO Brake Industry Co.,Ltd.	
		Lining code*****		AKP 330 FF	
		Material		Molded	
		****	Primary or out-board	167 X 35 X 4.3	(mm)
		Size	Secondary or in-board	167 X 35 X 4.3	(mm)
		Shoe thickness (no lining)		1.6	(mm)

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
(Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)

**** Size for drum brakes includes length x width x thickness. ***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt
 Model Year 1991 Issued 1990-8 Revised (+) _____

METRIC (U.S. Customary)

Body Type And/Or
 Engine Displacement

C52A	
MNMEL, MKMEL	MFSEL, MKSEL

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P175 / 70R13, B	P155 / 80R13, B
	Type (bias, radial, steel, nylon, etc.)		Radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	200 (29)	
		Rear kPa (psi)	200 (29)	
	Rev./mile-at 70 km/h (45 mph)		915	
Wheels	Type & material		Disc, Steel	
	Rim (size & flange type)		13 X 5J	13 X 4 1/2J
	Wheel offset		46	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	114.3	
		Number & size	Four, M12 X 1.5 (Metric)	
Spare	Tire and wheel		T105 / 70D14, High pressure tire	
	Storage position & location (describe)		On cargo Floor	

Tires And Wheels (Optional)

Tire size (load range, ply)	-
Type (bias, radial, steel, nylon, etc.)	-
Wheel (type & material)	Disc, Aluminum
Rim (size, flange type and offset)	13 X 5J, 46
Tire size (load range, ply)	-
Type (bias, radial, steel, nylon, etc.)	-
Wheel (type & material)	-
Rim (size, flange type and offset)	-
Tire size (load range, ply)	-
Type (bias, radial, steel, nylon, etc.)	-
Wheel (type & material)	-
Rim (size, flange type and offset)	-
Tire size (load range, ply)	-
Type (bias, radial, steel, nylon, etc.)	-
Wheel (type & material)	-
Rim (size, flange type and offset)	-
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	-

Brakes - Parking

Type of control		1 Handle, Hand-operated
Location of control		Between front Seats
Operates on		Rear Wheels
If separate from service brakes	Type (internal or external)	-
	Drum diameter	-
	Lining size (length x width x thickness)	-

MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt
 Model Year 1991 Issued 1990-8 Revised (+) _____

METRIC (U.S. Customary)

Body Type And/Or
 Engine Displacement

C52A	
MNMEL, MKMEL	MFSEL, MKSEL

Steering

Manual (std., opt., n.a.)				Std.	
Power (std., opt., n.a.)				Opt.	-
Adjustable steering wheel/column (tilt, telescope, other)			Type	-	
			Manufacturer	-	
			(std., opt., n.a.)	N.A.	
Wheel diameter** (W9) SAE J1100			Manual	370	
			Power	370	-
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	10.0		
		Curb to curb (l. & r.)	9.2		
	Inside rear	Wall to wall (l. & r.)	-		
		Curb to curb (l. & r.)	-		
	Scrub Radius*			-2	
	Manual	Gear	Type	Rack & Pinion	
Manufacturer			Koyo Seiko Co.,Ltd.		
Ratios			Gear	∞	
			Overall	22	
No. wheel turns (stop to stop)		3.98	4.28		
Power	Type (coaxial, elec., hyd., etc.)		Coaxial		
	Manufacturer		Koyo Seiko Co.,Ltd.		
	Gear	Type	Rack & Pinion		
		Ratios	Gear	∞	
			Overall	16	
	Pump (drive)		V-belt		
	No. wheel turns (stop to stop)		2.93		
	Linkage	Type		Trailing equal length tie rods	
Location (front or rear of wheels, other)		Rear			
Tie rods (one or two)		Two			
Steering axis	Inclination at camber (deg.)		12°30'		
	Bearings (type)	Upper	Ball bearing		
		Lower	Ball joint		
		Thrust	N.A.		
Steering spindle/knuckle & joint type			Ball		

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.

** See Page 22.

Ø **MVMA Specifications**

Vehicle Line Dodge Colt, Plymouth Colt

Model Year 1991 Issued 1990-8 Revised (•) _____

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

C52A	
MNMEL, MKMEL	MFSEL, MKSEL

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	2°20'
		Camber (deg.)	0°
		Toe-in outside track-mm (in.)	0 ± 3 (0 ± 0.118)
	Service reset*	Caster (deg.)	Set as above
		Camber (deg.)	Set as above
		Toe-in - mm (in.)	Set as above
	Periodic M.V. inspection	Caster (deg.)	-
		Camber (deg.)	-
		Toe-in - mm (in.)	-
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-40' ± 30'
		Toe-in outside track-mm (in.)	2 ± 3 (0.079 ± 0.118)
	Service reset*	Camber (deg.)	Set as above
		Toe-in - mm (in.)	Set as above
	Periodic M.V. inspection	Camber (deg.)	-
		Toe-in - mm (in.)	-

* Indicates pre-set, adjustable, trend set or other.

Ø **Electrical – Instruments and Equipment**

Speedometer	Type (analog, digital, std., opt.)	Analog (Std.)	
	Trip odometer (std., opt., n.a.)	Std.	
Head-up display	Standard, optional, not available		N.A.
	Type	Secondary, opto-electronic	N.A.
	Speedometer	Digital	N.A.
	Status / warning indicators	Turn signals, high beam, low fuel, check gauges	N.A.
	Brightness control	Day / night mode, adjustable	N.A.
	EGR maintenance indicator		N.A.
Charge indicator	Type	Voltage relay	
	Warning device (light, audible)	Light	
Temperature indicator	Type	Cross coil	
	Warning device (light, audible)	Driving pointer (N.A.)	
Oil pressure indicator	Type	Pressure switch	
	Warning device (light, audible)	Light	
Fuel indicator	Type	Cross coil	
	Warning device (light, audible)	Driving pointer & Light	
Wind-shield wiper	Type (standard)	Electric two speed	
	Type (optional)	N.A.	
	Blade length	500 / 425	
	Swept area cm²(in.²)	6340 (983)	
Wind-shield washer	Type (standard)	Electric	
	Type (optional)	N.A.	
	Fluid level indicator (light, audible)	N.A.	
Rear window wiper, wiper/washer (std., opt., n.a.)		Opt.	N.A.
Horn	Type	80 diameter	
	Number used	One	
Other		Brake system and parking brake warning light, Fasten belts warning light.	

MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt

Model Year 1991 Issued 1990-8 Revised (+) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

4G15 (1.468 Liters)	
MT	AT

Electrical – Supply System

Yuasa Battery Co., Ltd., Japan Storage Battery Co., Ltd.	
Battery	Manufacturer
	Matsushita Battery Ind. Co., Ltd. or Shin-kobe Electric Machinery Co., Ltd.
	Model, std., (opt.)
	55D23R
	Voltage
	12
	Amps at 0°F cold crank
	356
	Minutes-reserve capacity
	99
	Amps/hrs.-20 hr. rate
	45
	Location
	Front, right side of engine compartment
Alternator	Manufacturer
	Mitsubishi Electric Corp.
	Rating (idle/max. rpm)
	75A
	Ratio (alt. crank/rev.)
	2.25
	Output at idle (rpm, park)
	-
	Optional (type & rating)
	N.A.
Regulator	Type
	Voltage control

Electrical – Starting System

Motor	Manufacturer
	Mitsubishi Electric Corp.
	Current drain _____ °C(°F)
	Power rating kw (hp)
	0.7 (0.9) 0.9 (1.2)
Motor drive	Engagement type
	Solenoid
	Pinion engages from (front, rear)
	Front

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)
	Std.
	Other (specify)
	-
Coil	Manufacturer
	-
	Model
	-
	Current
	Engine stopped – A
	Engine Idling – A
	-
Spark plug	Manufacturer
	NGK Spark Plug Co., Ltd., Champion Spark Plug Co., Ltd. or Nippon Denso
	Model
	BPR6ES-11, RN9YC4 or W20EPR-11
	Thread (mm)
	14
	Tightening torque N·m (lb. ft)
	20 to 30 (15 to 22)
	Gap
	1.0 to 1.1
	Number per cylinder
	1
Distributor	Manufacturer
	Mitsubishi Electric Corp.
	Model
	T6T57171

Electrical – Suppression

Locations & type	
------------------	--

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt
Model Year 1991 Issued 1990-8 Revised (•) _____

Body Type

C52A

Body

Structure	Monocock body
Bumper system front - rear	Impact absorbing system Fascia (polyurethane) Front : Energy absorber (polypropylene-foam), Rear : Shock absorber Reinforcement (Steel)
Anti-corrosion treatment	Cathodic ED paint Extended use of galvanized steel Wax injection Stone chipping resistance coating

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	Heat setting acrylic enamel
Hood	Material & mass Steel, 13.3 (Kg) Hinge location (front, rear) Rear Type (counterbalance, prop) - Release control (internal, external) Internal
Trunk lid	Material & mass - Type (counterbalance, other) - Internal release control (elec., mech., n.a.) -
Hatch-back lid	Material & mass Steel, 15.1 (Include Glass & Others) (Kg) Type (counterbalance, other) Gas spring Internal release control (elec., mech., n.a.) Mech
Tailgate	Material & mass - Type (drop, lift, door) - Internal release control (elec., mech., n.a.) -
Vent window control (crank, friction, pivot, power)	Front - Rear -
Window regulator type (cable, tape, flex drive, etc.)	Front Cable Rear -
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front Bucket, Spring Rear Bench, Foam 3rd seat -
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front Bucket, Spring Rear 50 / 50, Foam 3rd seat -

MVMA Specifications

Vehicle Line Dodge Colt, PLymouth Colt
 Model Year 1991 Issued 1990-8 Revised (+) _____

METRIC (U.S. Customary)

Body Type

C52A

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / optional	First seat	-	-	-
		Second seat	3 point seat belt with ELR	2 point seat belt with manual adjusting device	3 point seat belt with ELR
		Third seat	-	-	-
Passive	Type & description (air bag, motorized - 2-point belt, fixed belt, knee bolster, manual - lap belt) Standard / optional	First seat	Motorized 2 point belt with ELR, Knee bolster & manual lap belt with ELR	-	Motorized 2 point belt with ELR, Knee bolster & manual lap belt with ELR/ALR
		Second seat	-	-	-
		Third seat	-	-	-

Glass	SAE Ref. No.	
Windshield glass exposed surface area cm ² (in. ²)	S1	9740 (1510)
Side glass exposed surface area cm ² (in. ²) - total 2-sides	S2	14564 (1129)
Backlight glass exposed surface area cm ² (in. ²)	S3	5200 (806)
Total glass exposed surface area cm ² (in. ²)	S4	29504 (4573)
Windshield glass (type)		Curved - laminated plate
Side glass (type)		Curved - tempered plate
Backlight glass (type)		Curved - tempered plate

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Halogen, Replaceable bulb
Shape	Proper Type
Lo-beam type (2A1, 2B1, 2C1, etc.)	# 9006
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	# 9005
Quantity	2

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	-
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MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt
 Model Year 1991 Issued 1990-8 Revised (+) _____

METRIC (U.S. Customary)

Body Type

C52A	
MNMEL, MKMEL	MFSEL, MKSEL

Convenience Equipment (standard, optional, n.a.)

Air conditioning (manual, auto, temp control)		Opt. (Manual temp control)	
Clock (digital, analog)		Opt. (Digital)	N.A.
Compass / thermometer		N.A.	
Console (floor, overhead)		Floor console	
Defroster, elec. backlight		Std.	Opt.
Electronic	Diagnostic monitor (integrated, individual)	Integrated	
	Instrument cluster (list instruments)	N.A.	
	Keyless entry	N.A.	
	Tripminder (avg. spd., fuel)	N.A.	
	Voice alert (list items)	N.A.	
	Other	N.A.	
Fuel door lock (remote, key, electric)		Remote & Key	Key
Lamps	Auto head on / off delay, dimming	N.A.	
	Cornering	N.A.	
	Courtesy (map, reading)	N.A.	
	Door lock, ignition	N.A.	
	Engine compartment	N.A.	
	Fog	N.A.	
	Glove compartment	N.A.	
	Trunk	N.A.	
	Illuminated entry system (list lamps, activation)	N.A.	
	Other	N.A.	
Mirrors	Day / night (auto. man.)	Std. (Man)	
	L.H. (remote, power, heated)	Std. (Remote)	Std. (Man)
	R.H. (convex, remote, power, heated)	Std. (Remote)	N.A.
	Visor vanity (RH / LH, illuminated)	N.A.	
Navigation system (describe)		N.A.	
Parking brake-auto release (warning light)		N.A.	

MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt
 Model Year 1991 Issued 1990-8 Revised (+) _____

METRIC (U.S. Customary)

Body Type

C52A	
MNMEL, MKMEL	MFSEL, MKSEL

Convenience Equipment (standard, optional, n.a.)

Power equipment	Deck lid (release, pull down)		N.A.	
	Door locks (manual, automatic, describe system)		N.A.	
	Seats	2 - 4 - 6 way, etc.	N.A.	
		Reclining (R.H., L.H.)	N.A.	
		Memory (R.H., L.H., preset recline)	N.A.	
		Support (lumbar, hip, thigh, etc.)	N.A.	
		Heated (R.H., L.H., other)	N.A.	
	Side windows		N.A.	
	Vent windows		N.A.	
	Rear windows		N.A.	
Radio systems	Antenna (location, whip, w / shield, power)		Opt. (Whip or Front Fender)	
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	N.A.	
	Optional		Opt. (AM /FM MPX ETR)	
			Opt. (AM/FM MPX ETR, Cassette Stereo)	-
			-	
	Speaker (number, location)		Opt. (2 Speakers: I/PNL, 4 Speakers: I/PNL, R/SHELF)	
Roof: open air or fixed (flip-up, sliding, "T")		N.A.		
Speed control device		N.A.		
Speed warning device (light, buzzer, etc.)		N.A.		
Tachometer (rpm)		Std.	N.A.	
Telephone system (describe)		N.A.		
Theft deterrent system		Disc tumbler, keylocks or ignition switch, Doors, Fuel lid, Luggage compartment & Lockable Steering.		

Trailer Towing

Towing capable	Yes / No	Yes
Engine / transmission / axle	Std / Opt	Std.
Tow class (I, II, III)*	Std / Opt	I
Max. gross trailer wgt. (lbs.)	Std / Opt	1000
Max. trailer tongue load (lbs.)	Std / Opt	100
Towing package available	Yes / No	No

* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt

Model Year 1991 Issued 1990-8 Revised (-) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line. SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	C52A
		MNMEL, MKMEL MFSEL, MKSEL
Width		
Tread (front)	W101	1430
Tread (rear)	W102	1430
Vehicle width	W103	1665, 1670 (with Side Protector)
Body width at Sg RP (front)	W117	1650
Vehicle width (front doors open)	W120	4004
Vehicle width (rear doors open)	W121	-
Tumble-home (degrees)	W122	22.5°
Outside mirror width	W410	1950 985

Length

Wheelbase	L101	2385
Vehicle length	L103	4030
Overhang (front)	L104	900
Overhang (rear)	L105	745
Upper structure length	L123	2660
Rear wheel C/L "X" coordinate	L127	2380

Height*

Passenger distribution (front/rear)	PD1,2,3	Front: 2, Rear: 3
Trunk/cargo load		-
Vehicle height	H101	1320
Cowl point to ground	H114	883
Deck point to ground	H138	865
Rocker panel-front to ground	H112	153
Rocker panel-rear to ground	H111	136
Windshield slope angle (degrees)	H122	60.5°
Backlight slope angle (degrees)	H121	41.5°

Ground Clearance*

Front bumper to ground	H102	216
Rear bumper to ground	H104	222
Bumper to ground front at curb mass (wt.)	H103	247
Bumper to ground rear at curb mass (wt.)	H105	296
Angle of approach (degrees)	H106	18.5°
Angle of departure (degrees)	H107	14°
Ramp breakover angle (degrees)	H147	9°
Axle differential to ground (front/rear)	H153	170
Min. running ground clearance	H156	90
Location of min. run. grd. clear.		Exhaust Pipe

* All vehicle height and ground clearances are measured at the Manufacturer's Design Load Weight. Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified. All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt

Model Year 1991 Issued 1990-8 Revised (-) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Body Type

C52A

SAE
Ref.
No.

Front Compartment

SgRP front, "X" coordinate	L31	1310
Effective head room	H61	972
Max. eff. leg room (accelerator)	L34	1065
SgRP to heel point	H30	250
SgRP to heel point	L53	830
Back angle (degrees)	L40	25°
Hip angle (degrees)	L42	94°
Knee angle (degrees)	L44	118°
Foot angle (degrees)	L46	87°
Design H-point front travel	L17	220
Normal driving & riding seat track trvl.	L23	220
Shoulder room	W3	1360
Hip room	W5	1340
Upper body opening to ground	H50	1214
Steering wheel maximum diameter*	W9	376
Steering wheel angle (degrees)	H18	25.3°
Accel. heel pt. to steer. whl. cntr	L11	416
Accel. heel pt. to steer. whl. cntr	H17	628
Undepressed floor covering thickness	H67	10

Rear Compartment

SgRP point couple distance	L50	700
Effective head room	H63	937
Min. effective leg room	L51	825
SgRP (second to heel)	H31	320
Knee clearance	L48	-26
Shoulder room	W4	1324
Hip room	W6	1080
Upper body opening to ground	H51	-
Back angle (degrees)	L41	26°
Hip angle (degrees)	L43	86°
Knee angle (degrees)	L45	77°
Foot angle (degrees)	L47	106°
Depressed floor covering thickness	H73	10

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	-
Liftover height	H195	-

Interior Volumes (EPA Classification)

Vehicle class		Subcompact
Interior volume index (cu. ft.)**		95.8
Trunk / cargo index (cu. ft.)		11.5

* See page 14.

** Includes passenger and trunk / cargo index - see definition page 32.

All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line Dodge Colt, Plymouth Colt
Model Year 1991 Issued 1990-8 Revised (+) _____

Body Type

C52A

SAE
Ref.
No.

Station Wagon -- Third Seat

Seat facing direction	SD1	—
SgRP couple distance	L85	—
Shoulder room	W85	—
Hip room	W86	—
Effective leg room	L86	—
Effective head room	H86	—
SgRP to heel point	H87	—
Knee clearance	L87	—
Back angle (degrees)	L88	—
Hip angle (degrees)	L89	—
Knee angle (degrees)	L90	—
Foot angle (degrees)	L91	—

Station Wagon -- Cargo Space

Cargo length (open front)	L200	—
Cargo length (open second)	L201	—
Cargo length (closed front)	L202	—
Cargo length (closed second)	L203	—
Cargo length at belt (front)	L204	—
Cargo length at belt (second)	L205	—
Cargo width (wheelhouse)	W201	—
Rear opening width at floor	W203	—
Opening width at belt	W204	—
Min. rear opening width above belt	W205	—
Cargo height	H201	—
Rear opening height	H202	—
Tailgate to ground height	H250	—
Front seat back to load floor height	H197	—
Cargo volume index m ³ (ft. ³)	V2	—
Hidden cargo volume index m ³ (ft. ³)	V4	—
Cargo volume index-rear of 2-seat	V10	—

Hatchback -- Cargo Space

Cargo length at front seatback height	L208	1082
Cargo length at floor (front)	L209	1243
Cargo length at second seatback height	L210	451
Cargo length at floor (second)	L211	638
Front seatback to load floor height	H197	639
Second seatback to load floor height	H198	455
Cargo volume index m ³ (ft. ³)	V3	0.98 (34.7)
Hidden cargo volume index m ³ (ft. ³)	V4	—
Cargo volume index-rear of 2-seat	V11	0.33 (11.5)

All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt

Model Year 1991 Issued 1990-8 Revised (+) _____

Body Type

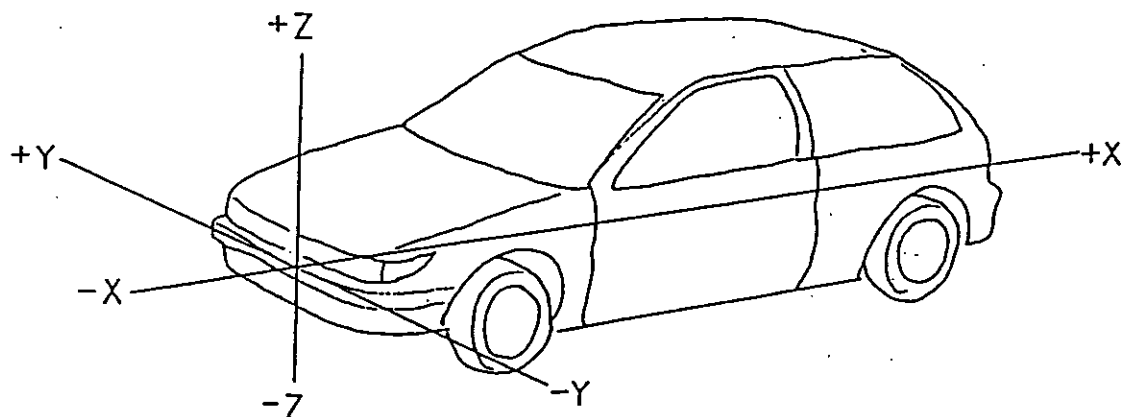
C52A

Vehicle Fiducial Marks

Fiducial Mark
Number*

Define Coordinate Location

Front



Rear

Datum plane definition - Vertical longitudinal plane through the longitudinal center of the car.
Vertical transverse plane through the front wheel center.
Horizontal plane through the lower surface of the front floor panel.

Fiducial
Mark
Number

Front	W21*	363.3
	L54*	30.5
	H81*	-18.3
	H161*	191.0
	H163*	-

Rear	W22*	472.0
	L55*	2910.0
	H82*	224.5
	H162*	443.8
	H164*	-

* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

All linear dimensions are in millimeters (inches) unless otherwise noted.

Model Year	1991	Issued	1990-8	Revised (*)
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METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt
Model Year 1991 Issued 1990-8 Revised (•) _____

[illegible]

* Also see Engine - General Section for dressed engine mass (weight).