

# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

## 1990

|                                                    |                                             |         |
|----------------------------------------------------|---------------------------------------------|---------|
| Manufacturer<br><b>CHRYSLER MOTORS CORPORATION</b> | Vehicle Line<br><b>DODGE, PLYMOUTH COLT</b> |         |
| Mailing Address<br><b>DETROIT, MICHIGAN 48288</b>  | Issued<br><b>9-15-89</b>                    | Revised |

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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 Form

METRIC (U.S. Customary)

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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 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 Origin

### Vehicle Models

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

## MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt

|            |      |        |        |             |
|------------|------|--------|--------|-------------|
| Model Year | 1990 | Issued | 1989-4 | Revised (*) |
|------------|------|--------|--------|-------------|

**METRIC (U.S. Customary)**

## 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                    |  |
|-------------------------|--------------------------------------|---------------------------|---------------------|---------------------|----------------------|------|-------------------|------|----------------------|--|
| ENGINE                  | Engine Code                          |                           | 4G15                |                     | 4G15                 |      | 4G61              |      | 4G61                 |  |
|                         | Displacement<br>Liters (in³)         |                           | 1.468 (90)          |                     | 1.468 (90)           |      | 1.596 (97)        |      | 1.596 (97)           |  |
|                         | Induction system<br>(FI, Carb, etc.) |                           | F.I.                |                     | F.I.                 |      | F.I.              |      | F.I.                 |  |
|                         | Compression<br>ratio                 |                           | 9.4                 |                     | 9.4                  |      | 9.2               |      | 9.2                  |  |
|                         | SAE<br>Net<br>at<br>RPM              | Power<br>kW (bhp)         | 60 (81) at 5500     |                     | 60 (81) at 5500      |      | 92 (123) at 6500  |      | 92 (123) at 6500     |  |
|                         |                                      | Torque<br>N • m (lb. ft.) | 126(91) at 3000     |                     | 126(91) at 3000      |      | 134(101) at 5000  |      | 134(101) at 5000     |  |
| Exhaust<br>single, dual |                                      | Dual                      |                     | Dual                |                      | Dual |                   | Dual |                      |  |
| TRANS                   | Transmission/<br>Transaxle           |                           | *1Manual<br>4-Speed | *2Manual<br>5-Speed | Automatic<br>3-Speed |      | Manual<br>5-Speed |      | Automatic<br>4-Speed |  |
|                         | Axle Ratio<br>(std. first)           |                           | 3.454               | 4.021               | 3.600                |      | 4.322             |      | 4.062                |  |

[illegible]

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt  
Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

Engine Description  
Engine Code

| 4G15 (1.468 Liters) |             |    | 4G61 (1.596 Liters) |    |
|---------------------|-------------|----|---------------------|----|
| MT, 4-speed         | MT, 5-speed | AT | MT                  | AT |

## ENGINE - GENERAL

|                                                                                                                                                   |                                                                       |             |                             |     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------|-----------------------------|-----|-----|
| Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.) | In line, Front, Transverse                                            |             |                             |     |     |
| Manufacturer                                                                                                                                      | Mitsubishi Motors Corporation                                         |             |                             |     |     |
| No. of cylinders                                                                                                                                  | 4                                                                     |             |                             |     |     |
| Bore                                                                                                                                              | 75.5                                                                  |             | 82.3                        |     |     |
| Stroke                                                                                                                                            | 82                                                                    |             | 75                          |     |     |
| Bore spacing (C / L to C / L)                                                                                                                     | 82                                                                    |             | 93                          |     |     |
| Cylinder block material & mass kg (lbs.) (machined)                                                                                               | Cast iron, 27.1 (59.7)                                                |             | Cast iron, 37 (82.2)        |     |     |
| Cylinder block deck height                                                                                                                        | 201                                                                   |             | 220                         |     |     |
| Cylinder block length                                                                                                                             | 362                                                                   |             | 400.5                       |     |     |
| Deck clearance (minimum) (above or below block)                                                                                                   | 0                                                                     |             |                             |     |     |
| Cylinder head material & mass kg (lbs.)                                                                                                           | Aluminum alloy, 6.5 (14.3)                                            |             | Aluminum alloy, 11.5 (25.4) |     |     |
| Cylinder head volume (cm³)                                                                                                                        | 31.0                                                                  |             | 44.3                        |     |     |
| Cylinder liner material                                                                                                                           | N.A.                                                                  |             |                             |     |     |
| Head gasket thickness (compressed)                                                                                                                | 1.25                                                                  |             |                             |     |     |
| Minimum combustion chamber total volume (cm³)                                                                                                     | 43.7                                                                  |             | 48.5                        |     |     |
| 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, 4.4 (9.9)                                             |             | Aluminum alloy, 5.5 (12.1)  |     |     |
| Exhaust manifold material & mass [kg (lbs.)]**                                                                                                    | Cast iron, 5.2 (11.6)                                                 |             | Cast iron, 7.1 (15.8)       |     |     |
| Fuel required unleaded, diesel, etc.                                                                                                              | Unleaded                                                              |             |                             |     |     |
| Fuel antiknock index (R + M) + 2                                                                                                                  | No less than 87                                                       |             | No less than 91             |     |     |
| 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***                                                                                                             | 105                                                                   | 106         | 100                         | 146 | 143 |

## Engine - Pistons

|                                                |                |  |            |  |  |
|------------------------------------------------|----------------|--|------------|--|--|
| Material & mass, g (weight, oz.) - piston only | Aluminum alloy |  |            |  |  |
|                                                | 242 (9)        |  | 329 (11.6) |  |  |

## Engine - Camshaft

|                                   |               |               |  |                 |
|-----------------------------------|---------------|---------------|--|-----------------|
| Location                          |               | Cylinder Head |  |                 |
| Material & mass kg (weight, lbs.) |               | Cast iron     |  |                 |
|                                   |               | 2.39 (5.27)   |  | 1.90 (4.19)     |
| Drive type                        | Chain / belt  | Belt          |  |                 |
|                                   | Width / pitch | 19.1 / 9.525  |  | 29 / 9.525 (mm) |

\* 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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4G61 (1.596 Liters)

## Engine - Valve System

|                                    |                                       |                |
|------------------------------------|---------------------------------------|----------------|
| Hydraulic lifters (std., opt., NA) | N.A.                                  | Std.           |
| Valves                             | Number intake / exhaust<br>4 / 4      | 8 / 8          |
|                                    | Head O.D. intake / exhaust<br>35 / 30 | 34 / 30.5 (mm) |

## Engine - Connecting Rods

|                                        |                           |                                |
|----------------------------------------|---------------------------|--------------------------------|
| Material & mass [kg., (weight, lbs.)]* | Forged iron, 0.490 (1.08) | Drop-forged steel, 0.69 (1.52) |
| Length (axes $\perp$ to $\Phi$ ) mm    | 131                       | 150                            |

## Engine - Crankshaft

|                                              |                         |                                                            |
|----------------------------------------------|-------------------------|------------------------------------------------------------|
| Material & mass [kg., (weight, lbs.)]*       | Cast iron, 10.1 (22.27) | Drop-forged steel, 15.7(34.61)                             |
| End thrust taken by bearing (no.)            | 3                       |                                                            |
| Length & number of main bearings             | 19mm, 5                 | 23mm, 5                                                    |
| Seal (material, one, two piece design, etc.) | Front<br>Rear           | Synthetic rubber, One piece<br>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)          | 4.0 (3.5) |

## Engine - Diesel Information

|                                                             |                                      |
|-------------------------------------------------------------|--------------------------------------|
| Diesel engine manufacturer                                  | -                                    |
| Glow plug, current drain at 0°F                             | -                                    |
| Injector nozzle                                             | Type<br>Opening pressure [kPa (psi)] |
| Pre-chamber design                                          | -                                    |
| Fuel in-jection pump                                        | Manufacturer<br>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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|---------------------|-------------|----|---------------------|----|
| MT, 4-speed         | MT, 5-speed | AT | 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(qt.)                                | 5.0 (4.4)                                                                                          |          | 6.0 (5.3) |  |
|                                                | With air cond.-L(qt.)                             | 5.0 (4.4)                                                                                          |          | 6.0 (5.3) |  |
|                                                | Opt. equipment [specify-L(qt.)]                   | 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)   Aluminum, 5.0(11.0)   Aluminum, 5.6 (12.3) |          |           |  |
|                                                | Width                                             | 668 (mm)                                                                                           |          |           |  |
|                                                | Height                                            | 375 (mm)                                                                                           |          |           |  |
|                                                | Thickness                                         | 16                                                                                                 |          | 32 (mm)   |  |
|                                                | Fins per inch                                     | 15                                                                                                 |          | 20        |  |
|                                                | Radiator end tank material                        |                                                                                                    |          |           |  |
| 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                                                                                               |          | 1950      |  |
|                                                | Motor rating (wattage) (elec.)                    | 45                                                                                                 |          | 80        |  |
|                                                | 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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Vehicle Line Dodge Colt, Plymouth Colt  
Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

Engine Description  
Engine Code

4G15 (1.468 Liters)

4G61 (1.596 Liters)

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)         | Cylinder head (Four)           |
|                                                                       | Constant, pulse, flow                                    | 5.76mm <sup>3</sup> / 2.5m sec | 6.07mm <sup>3</sup> / 2.5m sec |
|                                                                       | Control (electronic, mech.)                              | Electronic                     |                                |
|                                                                       | System pressure (kPa (psi))                              | 328                            |                                |
| Idle spd.-rpm (spec. neutral or drive and propane if used)            | Manual                                                   | 750 A/C ON:850                 |                                |
|                                                                       |                                                          |                                |                                |
|                                                                       | Automatic                                                | N position 750 A/C ON:850      | N.A.                           |
|                                                                       |                                                          | D position 700 A/C ON:700      | N.A.                           |
| 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)) | 0.36 L/hr                      |                                |

## 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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Engine Description  
Engine Code

4G15 (1.468 Liters)

4G61 (1.596 Liters)

## Vehicle Emission Control

|                              |                                                          |                                                                                    |                                                                       |                                      |
|------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------|
| Exhaust Emission Control     | Type (air injection, engine modifications, other)        |                                                                                    | Three-way catalyst with feedback control<br>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<br>Point of exhaust injection (spacer, carburetor, manifold, other) | Exhaust port No.2<br>Intake manifold                                  | Exhaust port No.4<br>Intake manifold |
|                              | Catalytic Converter                                      | Type                                                                               | Three-way                                                             |                                      |
|                              |                                                          | Number of                                                                          | 1                                                                     |                                      |
|                              |                                                          | Location(s)                                                                        | Under floor                                                           |                                      |
|                              |                                                          | Volume [L (in <sup>3</sup> )]                                                      | 0.8(48.8) + 0.6(36.6)                                                 |                                      |
|                              |                                                          | Substrate type                                                                     | Monolith                                                              |                                      |
|                              |                                                          | Noble metal type                                                                   | -                                                                     |                                      |
|                              |                                                          | Noble metal concentration (g/cm <sup>3</sup> )                                     | -                                                                     |                                      |
| 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                                                                         | -                                                                     |                                      |
| Electronic system            | Vapor storage provision                                  |                                                                                    | Canister                                                              |                                      |
|                              | 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 Steelplate, 5.45(12.02) | Two(Reverse flow),Stainless Steel plate, 6.01(13.25) |
| Resonator no. & type                                                                                   |                                   | None                                                | One                                                  |
| Exhaust pipe                                                                                           | Branch o.d., wall thickness       | 42.7 x 1.2                                          | None                                                 |
|                                                                                                        | Main o.d., wall thickness         | 42.7 x 1.2                                          | 48.6 x 1.2                                           |
|                                                                                                        | Material & Mass [kg (weight lbs)] | Stainless steel tube,1.78(3.92)                     | Stainless steel tube,1.16(2.55)                      |
| Intermediate pipe                                                                                      | o.d. & wall thickness             | 42.7 x 1.5                                          | 48.6 x 1.5                                           |
|                                                                                                        | Material & Mass [kg (weight lbs)] | Stainless steel tube,3.89(8.58)                     | Stainless steel tube,4.43(9.77)                      |
| Tail pipe                                                                                              | o.d. & wall thickness             | 42.7 x 1.2                                          | 42.7 x 1.2                                           |
|                                                                                                        | Material & Mass [kg (weight lbs)] | Stainless steel tube,0.65(1.43)                     | Stainless steel tube,1.11(2.44)                      |

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Engine Description  
 Engine Code

|                     |                     |
|---------------------|---------------------|
| 4G15 (1.468 Liters) | 4G61 (1.596 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               | MT, 5-speed                |
|-------------------------------------|--------------------|----------------------------------------------|---------------------------|----------------------------|
| Number of forward speeds            |                    | 4                                            | 5                         | 5                          |
| Gear ratios                         | 1st                | 3.363                                        | 3.363                     | 3.083                      |
|                                     | 2nd                | 1.947                                        | 1.947                     | 1.947                      |
|                                     | 3rd                | 1.285                                        | 1.285                     | 1.285                      |
|                                     | 4th                | 0.939                                        | 0.939                     | 0.939                      |
|                                     | 5th                | —                                            | 0.777                     | 0.756                      |
|                                     | Reverse            | 3.083                                        | 3.083                     | 3.083                      |
| Synchronous meshing (specify gears) |                    | 1,2,3,4                                      | 1,2,3,4,5                 | 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) | Aluminum alloy, 9.9 (21.8) |
| 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)     |                                                       | Hydraulic                            |                         |
| Max. pedal effort (nom. spring load, new) N (lbs) | Depressed                                             | 118 (27)                             |                         |
|                                                   | Released                                              | 78 (18)                              |                         |
| Assist (spring, power/percent, nominal)           |                                                       | No                                   |                         |
| Type pressure plate springs                       |                                                       | Diaphragm                            |                         |
| Total spring load (nominal, new) N (lbs)          |                                                       | 3481 (783)                           |                         |
| Clutch facing                                     | Facing mfg. & material coding                         | Hitachi Chemical Co.,Ltd.            | Aisin Chemical Co.,Ltd. |
|                                                   | Facing material & construction                        | Woven                                | Semi mold               |
|                                                   | Rivets per facing                                     | 16                                   |                         |
|                                                   | Outside x inside dia. (nominal)                       | 200 x 130 (mm)                       |                         |
|                                                   | Total eff. area [cm <sup>2</sup> (in. <sup>2</sup> )] | 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.

# MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt  
Model Year 1990 Issued 1989-4 Revised (+) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
Engine Code

|                     |                     |
|---------------------|---------------------|
| 4G15 (1.468 Liters) | 4G61 (1.596 Liters) |
|---------------------|---------------------|

### ☒ Automatic Transmission/Transaxle

|                                                                |                                     |                                                                                         |                                                                                                  |
|----------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Trade Name                                                     |                                     | Mitsubishi Motors Corp. F3A21                                                           | Mitsubishi Motors Corp. F4A21                                                                    |
| Type and special features (describe)                           |                                     | Look up torque converter with automatically operated planetary gear transmission. F3A21 | Look up torque with automatically operated planetary gear transmission. Electronic control F4A21 |
| 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) |                                                                                         |                                                                                                  |
| Gear ratios                                                    | 1st                                 | 2.846                                                                                   | 2.846                                                                                            |
|                                                                | 2nd                                 | 1.581                                                                                   | 1.581                                                                                            |
|                                                                | 3rd                                 | 1.000                                                                                   | 1.000                                                                                            |
|                                                                | 4th                                 | -                                                                                       | 0.685                                                                                            |
|                                                                | Reverse                             | 2.176                                                                                   | 2.176                                                                                            |
| Max. upshift speed - drive range [km/h (mph)]                  |                                     | 1-2 51 (32), 2-3 97 (60)                                                                | 1-2 52(33), 2-3 103(64), 3-4 171(107)                                                            |
| Max. kickdown speed - drive range [km/h (mph)]                 |                                     | 2-1 48 (30), 3-2 91 (57)                                                                | 2-1 45(28), 3-2 96(60), 4-3 155(97)                                                              |
| Min. overdrive speed [km/h (mph)]                              |                                     | -                                                                                       | 26 (16)                                                                                          |
| 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                    | DEXRON II or DEXRON 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)                                                             | Aluminum alloy, 12.3 (27.1)                                                                      |

### ☒ 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.

# MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt  
Model Year 1990 Issued 1989-4 Revised (+) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
Engine Code

| 4G15 (1.468 Liters) |             |    | 4G61 (1.596 Liters) |    |
|---------------------|-------------|----|---------------------|----|
| MT, 4-Speed         | MT, 5-Speed | AT | MT                  | 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 | 4.187 | 3.611 |
| Transfer ratio and method (chain, gear, etc.)           |                | 1.096 | 1.096 | 1.125 | 1.096 | 1.125 |
| Front drive unit                                        | Ring gear o.d. | 170.3 | 176.7 | 171.6 | 180.8 | 175.7 |
|                                                         | No. of teeth   | 20    | 18    | 20    | 16    | 18    |
|                                                         | Pinion         | 63    | 66    | 64    | 67    | 65    |

### ⊗ 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   Tapered roller   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    |                         | Toyo Bearing Co.,Ltd.,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                | 26 x 692                  |  |
|                                                     |                             | Right                          | 24 x 368                | 23.2 x 357                |  |
|                                                     | Automatic transaxle         | Left                           | 24 x 695                | 26 x 692                  |  |
|                                                     |                             | Right                          | 24 x 368                | 23.2 x 364                |  |
|                                                     | Optional transaxle          | Left                           | -                       |                           |  |
|                                                     |                             | Right                          | -                       |                           |  |
| Slip yoke                                           | Type                        |                                | None                    |                           |  |
|                                                     | Number of teeth             |                                | -                       |                           |  |
|                                                     | Spline o.d.                 |                                | -                       |                           |  |
| Universal joints                                    | Make and mfg. no.           | Inner                          | Mitsubishi Motors Corp. | Toyo Bearing Co.,Ltd.     |  |
|                                                     |                             | Outer                          | Mitsubishi Motors Corp. | Toyo Bearing Co.,Ltd.     |  |
|                                                     | 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       |                           |  |

\* Centerline to centerline of universal joints, or to centerline of attachment.

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt  
Model Year 1990 Issued 1989-4 Revised (e)

Body Type And/Or  
Engine Displacement

| C52A         |              |       | C53A |
|--------------|--------------|-------|------|
| MNMEL, MKMEL | MNDEL, MKDEL | MFSEL |      |

## 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<br>e<br>n<br>s<br>o<br>r                          | N.A.                                                                     |
|                                 | Lateral acceleration                                | N.A.                                                                     |
|                                 | Deceleration                                        | N.A.                                                                     |
| Shock absorber (front & rear)   | Acceleration                                        | N.A.                                                                     |
|                                 | Road surface                                        | N.A.                                                                     |
|                                 | Type                                                | Front : Strut type Rear : Telescopic type                                |
|                                 | Make                                                | Kayaba Industry Co., Ltd.                                                |
|                                 | Piston diameter                                     | Front : $\phi$ 32 Rear : $\phi$ 25 Front: $\phi$ 30 Rear: $\phi$ 25 (mm) |
|                                 | Rod diameter                                        | Front : $\phi$ 22 Rear : $\phi$ 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<br>145.6 or 147.4 | 371 or 379<br>145.8          |
|                      | Spring rate (N/mm (lb./in.))        | 15.69(90) or 16.08(92)       | 18.63(106)                   |
|                      | Rate at wheel (N/mm (lb./in.))      | 14.46(83) or 14.82(85)       | 17.17(98)                    |
| Stabilizer           | Type (link, linkless, frameless)    | Link                         |                              |
|                      | Material & bar diameter             | S45C or S48C, $\phi$ 16      | S45C or S48C, $\phi$ 20 (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<br>85.2              | 333<br>85.1 |
|                      | Spring rate (N/mm (lb./in.))                     | 16.17 (92)               | 18.23 (104) |
|                      | Rate at wheel (N/mm (lb./in.))                   | 15.68 (90)               | 17.64 (101) |
|                      | 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:

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt  
Model Year 1990 Issued 1989-4 Revised (#) \_\_\_\_\_

Body Type And/Or  
Engine Displacement

C52A

C53A

## Brakes - Service

Description

|                                                                |                                              |                                 |                                                               |                                        |                        |
|----------------------------------------------------------------|----------------------------------------------|---------------------------------|---------------------------------------------------------------|----------------------------------------|------------------------|
| Manufacturer and brake type (std., opt., n.a.)                 |                                              | Front (disc or drum)            | Sumitomo Electric Industry Co.,Ltd.,Disc                      | AKEBONO Brake Industry Co.,Ltd.,Disc   |                        |
|                                                                |                                              | Rear (disc or drum)             | AKEBONO Brake Industry Co.,Ltd.,Drum                          | AKEBONO Brake Industry Co.,Ltd.,Disc   |                        |
| 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. <sup>3</sup> )         |                                 | -                                                             |                                        |                        |
|                                                                | 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 (elect., vac. mtr., pwr. strg.)         |                                              | -                               |                                                               |                                        |                        |
| Effective area [cm <sup>2</sup> (in. <sup>2</sup> )]*          |                                              |                                 | F:160(24.8)/R:208(32.2)                                       | F:200(31.0)/R:120(18.6)                |                        |
| Gross lining area [cm <sup>2</sup> (in. <sup>2</sup> )]**(F/R) |                                              |                                 | F:165(25.6)/R:208(32.2)                                       | F:206(31.9)/R:120(18.6)                |                        |
| Swept area [cm <sup>2</sup> (in. <sup>2</sup> )]*** (F/R)      |                                              |                                 | F:1099(170.3)/R:396(61.4)                                     | F:1281(198.6)/R:1177(182.5)            |                        |
| Rotor                                                          | Outerworking diameter                        | F/R                             | F:241 /R:-                                                    | F:264 /R:263 (mm)                      |                        |
|                                                                | Inner working diameter                       | F/R                             | F:152 /R:-                                                    | F:170 /R:178 (mm)                      |                        |
|                                                                | Thickness                                    | F/R                             | F: 13 /R:-                                                    | F: 24 /R: 10 (mm)                      |                        |
|                                                                | Material & type (vented/solid)               | F/R                             | F:Cast iron(Solid)/R:-                                        | F:Cast iron(Vented)/R:Cast iron(Solid) |                        |
| Drum                                                           | Diameter & width                             | F/R                             | F:- /R:180&39.5                                               | - (mm)                                 |                        |
|                                                                | Type and material                            | F/R                             | F:- /R:Cast iron                                              | -                                      |                        |
| Wheel cylinder bore                                            |                                              |                                 | F:51.1 /R:19.05                                               | F:53.97 /R:30.16 (mm)                  |                        |
| Master cylinder                                                | Bore/stroke                                  | F/R                             | Bore20.64/Stroke(pri:13,Sec:15)                               | Bore22.22/Stroke(Pri:13,Sec:15)        |                        |
| Pedal arc ratio                                                |                                              |                                 | 4.5                                                           |                                        |                        |
| Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]         |                                              |                                 | 11033 (1608)                                                  | 10823 (1578)                           |                        |
| Lining clearance                                               |                                              | F/R                             | F:No major adjustment required<br>R:0.15-0.35(Self adjusting) | F/R:No major adjustment required       |                        |
| Brake lining                                                   | Front wheel                                  | Bonded or riveted (rivets/seg.) |                                                               | Bonded                                 |                        |
|                                                                |                                              | Rivet size                      |                                                               | -                                      |                        |
|                                                                |                                              | Manufacturer                    |                                                               | Sumitomo Electric Industry Co.,Ltd.    |                        |
|                                                                |                                              | Lining code*****                |                                                               | SUMITOMO M9207H EE                     | SUMITOMO M2234 EE      |
|                                                                |                                              | Material                        |                                                               | Molded                                 |                        |
|                                                                |                                              | ****                            | Primary or out-board                                          | 98 x 40.9 x 10                         | 116 x 43.1 x 10.5 (mm) |
|                                                                |                                              | Size                            | Secondary or in-board                                         | 98 x 40.9 x 10                         | 116 x 43.1 x 10.5 (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                             | AKS 26 GF              |
|                                                                |                                              | Material                        |                                                               | Molded                                 |                        |
|                                                                |                                              | ****                            | Primary or out-board                                          | 148.6 x 35 x 4.3                       | 72.0 x 41.6 x 9.5 (mm) |
|                                                                |                                              | Size                            | Secondary or in-board                                         | 148.6 x 35 x 4.3                       | 72.0 x 41.6 x 9.5 (mm) |
|                                                                |                                              | Shoe thickness (no lining)      |                                                               | 1.6                                    | 6.0 (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 or formulation designation and coefficient of friction classification.

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt

Model Year 1990 Issued 1989-4 Revised (e)

Body Type And/Or  
Engine Displacement

|              |              |       |      |
|--------------|--------------|-------|------|
| C52A         |              |       | C53A |
| MNMEI, MKMEI | MNDEL, MKDEL | MFSEL |      |

## Tires And Wheels (Standard)

|        |                                                             |                     |                                    |               |                                    |                  |
|--------|-------------------------------------------------------------|---------------------|------------------------------------|---------------|------------------------------------|------------------|
| Tires  | Size (load range, ply)                                      |                     | P155/80R13, B                      | P175/70R13, B | P155/80R13, B                      | 195/60R14 85H, 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                                |               | 938                                | 921              |
| Wheels | Type & material                                             |                     | Disc, Steel                        |               |                                    |                  |
|        | Rim (size & flange type)                                    |                     | 13x4 1/2J                          | 13x5J         | 13x4 1/2J                          | 14x5 1/2JJ       |
|        | 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<br>High pressure tire |               | T125 / 70D15<br>High pressure tire |                  |
|        | Storage position & location (describe)                      |                     | On cargo Floor                     |               |                                    |                  |

## Tires And Wheels (Optional)

|                                                                                                                                |                |   |                  |
|--------------------------------------------------------------------------------------------------------------------------------|----------------|---|------------------|
| Tire size (load range, ply)                                                                                                    | P175/70R13, B  | - | -                |
| Type (bias, radial, steel, nylon, etc.)                                                                                        | Radial         | - | Radial           |
| Wheel (type & material)                                                                                                        | Disc, Aluminum | - | Disc, Aluminum   |
| Rim (size, flange type and offset)                                                                                             | 13 x 5J, 46    | - | 14 x 5.1/2JJ, 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 1990 Issued 1989-4 Revised (\*)

## METRIC (U.S. Customary)

Body Type And/Or  
Engine Displacement

| C52A         |              |       | C53A |
|--------------|--------------|-------|------|
| MNMEL, MKMEL | MNDEL, MKDEL | MFSEL |      |

### 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                        |  | -                   |  | Coaxial             |  |               |  |    |  |
|                                                           |  |  |  | Manufacturer                              |  | Koyo Seiko Co.,Ltd.            |  | -                   |  | Koyo Seiko Co.,Ltd. |  |               |  |    |  |
|                                                           |  |  |  | Gear                                      |  | Type                           |  | Rack & Pinion       |  | -                   |  | Rack & Pinion |  |    |  |
|                                                           |  |  |  |                                           |  | Ratios                         |  | Gear                |  | ∞                   |  | -             |  | ∞  |  |
|                                                           |  |  |  |                                           |  |                                |  | Overall             |  | 16                  |  | -             |  | 16 |  |
|                                                           |  |  |  | Pump (drive)                              |  | V-belt                         |  | -                   |  | V-belt              |  |               |  |    |  |
|                                                           |  |  |  | No. wheel turns (stop to stop)            |  | 3.15                           |  | -                   |  | 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                                      |  |                                |  |                     |  |                     |  |               |  |    |  |
| Wheel spindle/hub                                         |  |  |  | Diameter                                  |  | Inner bearing                  |  | 38.100              |  |                     |  |               |  |    |  |
|                                                           |  |  |  |                                           |  | Outer bearing                  |  | 38.100              |  |                     |  |               |  |    |  |
|                                                           |  |  |  | Thread (size)                             |  | M22 x 1.5 (Metric)             |  |                     |  |                     |  |               |  |    |  |
|                                                           |  |  |  | Bearing (type)                            |  | Tapered roller                 |  |                     |  |                     |  |               |  |    |  |

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

\*\*See Page 22



# MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt  
 Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

## METRIC (U.S. Customary)

Body Type And/Or  
 Engine Displacement

| C52A         |              |       | C53A |
|--------------|--------------|-------|------|
| MNMEI, MKMEI | MNDEL, MKDEL | MFSEL |      |

### 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                          | Set as above          |
|                                |                          | Camber                          | Set as above          |
|                                |                          | Toe-in                          | Set as above          |
|                                | Periodic M.V. inspection | Caster                          | -                     |
|                                |                          | Camber                          | -                     |
|                                |                          | Toe-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                          | Set as above          |
|                                |                          | Toe-in                          | Set as above          |
|                                | Periodic M.V. inspection | Camber                          | -                     |
|                                |                          | Toe-in                          | -                     |

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

### Electrical - Instruments and Equipment

|                                                    |                                                  |                                                                              |                    |                                      |
|----------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------|--------------------|--------------------------------------|
| Speedometer                                        | Type (analog, digital, std., opt.)               | Analog (Std.)                                                                |                    |                                      |
|                                                    | Trip odometer (std., opt., n.a.)                 | Std.                                                                         |                    |                                      |
| 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 with intermittent                                         | Electric two speed | Electric two speed with intermittent |
|                                                    | Type (optional)                                  | N.A.                                                                         |                    |                                      |
|                                                    | Blade length                                     | 500 / 425                                                                    |                    |                                      |
|                                                    | Swept area (cm <sup>2</sup> (in. <sup>2</sup> )) | 6340 (983)                                                                   |                    |                                      |
| Wind-shield washer                                 | Type (standard)                                  | Electric                                                                     |                    |                                      |
|                                                    | Type (optional)                                  | N.A.                                                                         |                    |                                      |
|                                                    | Fluid level indicator (light, audible)           | N.A.                                                                         |                    | Light                                |
| Rear window wiper, wiper washer (std., opt., n.a.) |                                                  | Opt.                                                                         | N.A.               | Std.                                 |
| Horn                                               | Type                                             | 80 diameter                                                                  |                    |                                      |
|                                                    | Number used                                      | One                                                                          |                    |                                      |
| Other                                              |                                                  | Brake system and parking brake warning light,<br>Fasten belts warning light. |                    |                                      |

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt  
Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

Engine Description  
Engine Code

|                     |             |    |                        |
|---------------------|-------------|----|------------------------|
| 4G15 (1.468 Liters) |             |    | 4G61<br>(1.596 Liters) |
| MT, 4-speed         | MT, 5-speed | 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                                                                       | 55B24R(S)-MF |
|            | Voltage                    | 12                                                                           |              |
|            | Amps at 0°F cold crank     | 356                                                                          | 433          |
|            | Minutes-reserve capacity   | 99                                                                           | 79           |
|            | Amp/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                                                                         | 2.29         |
|            | Output at idle (rpm, park) | -                                                                            |              |
|            | Optional (type & rating)   | N.A.                                                                         |              |
| Regulator  | Type                       | Voltage control                                                              |              |

## Electrical - Starting System

|             |                                   |                           |           |           |
|-------------|-----------------------------------|---------------------------|-----------|-----------|
| Motor       | Manufacturer                      | Mitsubishi Electric Corp. |           |           |
|             | Current drain _____ °F            |                           |           |           |
|             | Power rating [kw (hp)]            | 0.7 (0.9)                 | 0.9 (1.2) | 1.2 (1.6) |
| 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                     | Diamond Electric Manufacturing Co., Ltd.                                |  | Mitsubishi Electric Corp. |
|             | Model                            | F-088                                                                   |  | H4T00172                  |
|             | Current                          | Engine stopped - A                                                      |  | 0                         |
|             |                                  | Engine idling - A                                                       |  | 1.4                       |
| 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.                                               |  | N.A.                      |
|             | Model                            | T3T64173                                                                |  | N.A.                      |

## Electrical - Suppression

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

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Models Dodge Colt, Plymouth Colt  
Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

Body Type

C52A, C53A

## Body

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

## Body - Miscellaneous Information

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

**MVMA Specifications**  
**METRIC (U.S. Customary)**

Vehicle Line Dodge Colt, Plymouth Colt  
 Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

Body Type

C52A, C53A

**Restraint System**

| Seating Position |                                                                                                     |             | Left                                                                     | Center                                         | Right                                                                        |
|------------------|-----------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------|
| Active           | Type & description (lap & shoulder belt, lap belt, etc.)                                            | First seat  | -                                                                        | -                                              | -                                                                            |
|                  | Standard / optional                                                                                 | 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) | 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 |
|                  | Standard / optional                                                                                 | Second seat | -                                                                        | -                                              | -                                                                            |
|                  |                                                                                                     | Third seat  | -                                                                        | -                                              | -                                                                            |

| Glass                                                                                 | SAE Ref. No. |                          |
|---------------------------------------------------------------------------------------|--------------|--------------------------|
| Windshield glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> ))           | S1           | 9740 (1510)              |
| Side glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> )) - total 2-sides | S2           | 14564 (1129)             |
| Backlight glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> ))            | S3           | 5200 (806)               |
| Total glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> ))                | 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) | - |
|---------------------------------------------------------------------------------|---|

# MVMA Specifications

## METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt  
 Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

Body Type

| C52A         |              |       | C53A |
|--------------|--------------|-------|------|
| MNMEL, MKMEL | MNDEL, MKDEL | MFSEL |      |

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

|                                               |                                                   |                             |                |      |                             |
|-----------------------------------------------|---------------------------------------------------|-----------------------------|----------------|------|-----------------------------|
| Air conditioning (manual, auto. temp control) |                                                   | Opt. (Manual temp control)  |                |      |                             |
| Clock (digital, analog)                       |                                                   | N.A.                        | Opt. (Digital) | N.A. | Std. (Digital)              |
| Compass/thermometer                           |                                                   | N.A.                        |                |      |                             |
| Console (floor, overhead)                     |                                                   | Floor console               |                |      |                             |
| Defroster, elec. backlight                    |                                                   | Std.                        |                | Opt. | Std.                        |
| Electronic                                    | Diagnostic monitor (integrated, individual)       | Integrated                  |                |      |                             |
|                                               | Instrument cluster (list instruments)             | N.A.                        |                |      |                             |
|                                               | Keyless entry                                     | N.A.                        |                |      |                             |
|                                               | Trip minder (avg. spd., fuel)                     | N.A.                        |                |      |                             |
|                                               | Voice alert (list items)                          | N.A.                        |                |      |                             |
|                                               | Other                                             | N.A.                        |                |      |                             |
|                                               |                                                   |                             |                |      |                             |
| Fuel door lock (remote, key, electric)        |                                                   | Remote & Key                |                | Key  | Remote & 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.                        | Std.           | N.A. | Std.                        |
|                                               | 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), Opt. (Power) |                | Std. | Std. (Remote), Opt. (Power) |
|                                               | R. H. (convex, remote, power, heated)             | Std. (Remote), Opt. (Power) |                | N.A. | Std. (Remote), Opt. (Power) |
|                                               | Visor vanity (RH / LH, illuminated)               | N.A.                        |                |      |                             |
| Navigation system (describe)                  |                                                   | N.A.                        |                |      |                             |
| Parking brake-auto release (warning light)    |                                                   | N.A.                        |                |      |                             |

# MVMA Specifications

## METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt  
 Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

Engine Description  
 Engine Code

| C52A         |              |       | C53A |
|--------------|--------------|-------|------|
| MNMEL, MKMEL | MNDEL, MKDEL | MESEL |      |

### 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.                                  |                                           |                                       |                                                               |
|                                                 |                                                 | Lumbar, hip, thigh, support                                                                                       | N.A.                                  |                                           |                                       |                                                               |
|                                                 |                                                 | Heated (R.H., L.H., other)                                                                                        | N.A.                                  |                                           |                                       |                                                               |
|                                                 | Side windows                                    |                                                                                                                   | N.A.                                  | Opt.                                      | N.A.                                  | Opt.                                                          |
|                                                 | 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) | -                                         | Opt. (AM/FM MPX ETR, Cassette Stereo) |                                                               |
|                                                 |                                                 |                                                                                                                   | -                                     |                                           |                                       | Opt. (AM/FM MPX ETR, Cassette Stereo, with Graphic Equalizer) |
|                                                 | Speaker (number, location)                      |                                                                                                                   | Opt. (4 speakers, I/PNL, R/SHELF)     | Opt. (6 speakers, I/PNL, R/SHELF, F/DOOR) | Opt. (4 speakers, I/PNL, R/SHELF)     | Opt. (6 speakers, I/PNL, R/SHELF, F/DOOR)                     |
| Roof: open air or fixed (flip-up, sliding, "T") |                                                 | N.A.                                                                                                              |                                       |                                           |                                       |                                                               |
| Speed control device                            |                                                 | N.A.                                                                                                              |                                       |                                           | Opt.                                  |                                                               |
| Speed warning device (light, buzzer, etc.)      |                                                 | N.A.                                                                                                              |                                       |                                           |                                       |                                                               |
| Tachometer (rpm)                                |                                                 | Std.                                                                                                              |                                       | N.A.                                      | Std.                                  |                                                               |
| Telephone system (describe)                     |                                                 | N.A.                                                                                                              |                                       |                                           |                                       |                                                               |
| Theft deterrent system                          |                                                 | Disc tumbler, keylocks or ignition switch, Doors, Fuel lid, Luggage compartment & Lockable Steering.              |                                       |                                           |                                       |                                                               |

# MVMA Specifications

Vehicle Line Dodge Colt, Plymouth Colt  
Model Year 1990 Issued 1989-4 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         |              |       | C53A |
|--------------|--------------|-------|------|
| MNMEL, MKMEL | MNDEL, MKDEL | MFSFL |      |

#### 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 (deg.)               | W122 | 22.5°                            |
| Outside mirror width             | W410 | 1950 985 1950                    |

#### 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              | H122    | 60.5°             |
| Backlight slope angle               | H121    | 41.5°             |

#### Ground Clearance\*

|                                             |      |              |     |
|---------------------------------------------|------|--------------|-----|
| Front bumper to ground                      | H102 | 216          | 196 |
| Rear bumper to ground                       | H104 | 222          |     |
| Bumper to ground (front at curb mass (wt.)) | H103 | 247          | 221 |
| Bumper to ground (rear at curb mass (wt.))  | H105 | 296          |     |
| Angle of approach (degrees)                 | H106 | 18.5°        | 17° |
| Angle of departure (degrees)                | H107 | 14°          |     |
| Ramp breakover angle (degrees)              | H147 | 9°           |     |
| Axle differential to ground (front/rear)    | H153 | 170          |     |
| Min. running round 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 1990 Issued 1989-4 Revised (+) \_\_\_\_\_

## METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Body Type

C52A, C53A

### Front Compartment

|                                          | SAE Ref. No. |       |
|------------------------------------------|--------------|-------|
| 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                               | L40          | 25°   |
| Hip angle                                | L42          | 94°   |
| Knee angle                               | L44          | 118°  |
| Foot angle                               | 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                     | 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                         | L41 | 26°  |
| Hip angle                          | L43 | 86°  |
| Knee angle                         | L45 | 77°  |
| Foot angle                         | 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.



# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line Dodge Colt, Plymouth Colt

Model Year 1990 Issued 1989-4 Revised (e) \_\_\_\_\_

Body Type

C52A

C53A

## Station Wagon - Third Seat

SAE  
Ref.  
No.

|                       |     |   |
|-----------------------|-----|---|
| Seat facing direction | SD1 | - |
| Sg RP couple distance | L85 | - |
| Shoulder room         | W85 | - |
| Hip room              | W86 | - |
| Effective leg room    | L86 | - |
| Effective head room   | H86 | - |
| Sg RP to heel point   | H87 | - |
| Knee clearance        | L87 | - |
| Back angle            | L88 | - |
| Hip angle             | L89 | - |
| Knee angle            | L90 | - |
| Foot angle            | 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 <sup>3</sup> (ft. <sup>3</sup> )]        | V2   | - |
| Hidden cargo volume index [m <sup>3</sup> (ft. <sup>3</sup> )] | V4   | - |
| Cargo volume, index-rear of 2-seat                             | V10  | - |

## Hatchback - Cargo Space

Normal seat

Sport seat

|                                                                |      |             |      |
|----------------------------------------------------------------|------|-------------|------|
| Cargo length at front seatback height                          | L208 | 1082        | 1048 |
| Cargo length at floor (front)                                  | L209 | 1243        | 1257 |
| 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 <sup>3</sup> (ft. <sup>3</sup> )]        | V3   | 0.98 (34.7) |      |
| Hidden cargo volume index [m <sup>3</sup> (ft. <sup>3</sup> )] | V4   | -           |      |
| Cargo volume index-rear of 2-seat                              | V11  | 0.33 (11.5) |      |

# MVMA Specifications

## METRIC (U.S. Customary)

Vehicle Line Dodge Colt, Plymouth Colt  
 Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

Body Type

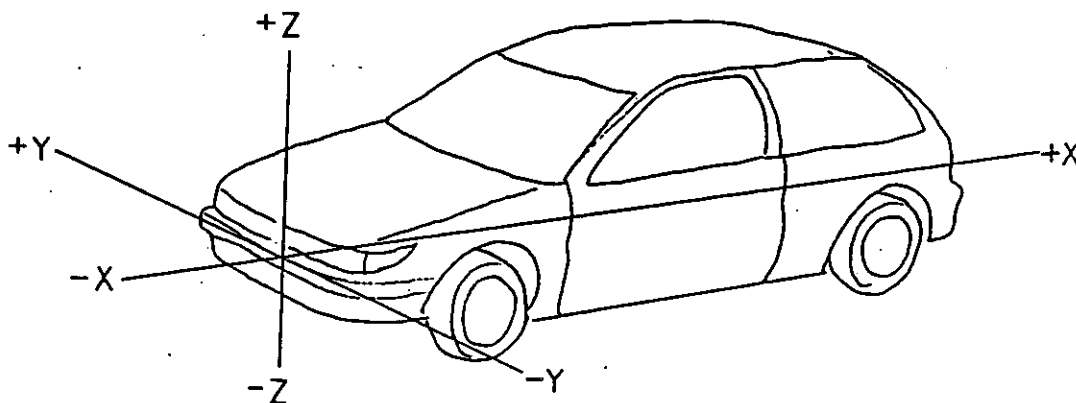
C52A, C53A

### Vehicle Fiducial Marks

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.

**METRIC (U.S. Customary)**

Model Year 1990 Issued 1989-4 Revised (\*)

\* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.  
 \*\* ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications.  
 Refer to ETWC code legend below for test weight class.

|      |      |      |    |      |
|------|------|------|----|------|
| 1000 | 1000 | 3000 | Y  | 4000 |
| 1125 | 2000 | 3125 | Z  | 4250 |
| 1250 | 2125 | 3250 | AA | 4500 |
| 1375 | 2250 | 3375 | BB | 4750 |
| 1500 | 2375 | 3500 | CC | 5000 |
| 1625 | 2500 | 3625 | DD | 5250 |
| 1750 | 2625 | 3750 | EE | 5500 |
| 1875 | 2750 | 3875 | FF | 5750 |
|      | 2875 |      |    |      |

35 kg (77 lbs)

**METRIC (U.S. Customary)**

Model Year 1990 Issued 1989-4 Revised (•) \_\_\_\_\_

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