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TECHNICAL INFORMATION MANUAL

LASER/TALON



SAFETY NOTICE

CAUTION

ALL SERVICE AND REBUILDING INSTRUCTIONS CONTAINED HEREIN ARE APPLICABLE TO, AND FOR THE CONVENIENCE OF, THE AUTOMOTIVE TRADE ONLY. All test and repair procedures on components or assemblies in non-automotive applications should be repaired in accordance with instructions supplied by the manufacturer of the total product.

Proper service and repair is important to the safe, reliable, operation of all motor vehicles. The service procedures recommended and described in this publication were developed for professional service personnel and are effective methods for performing vehicle repair. Following these procedures will help assure efficient economical vehicle performance and service reliability. Some of these service procedures require the use of special tools designed for specific procedures. These special tools should be used when recommended throughout this publication.

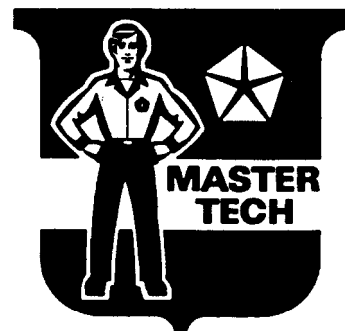
Special attention should be exercised when working with spring or tension loaded fasteners and devices such as E-Clips, Circlips, Snap rings, etc., as careless removal may cause personal injury. Always wear safety goggles whenever working on vehicles or vehicle components.

It is important to note that this publication contains various **Cautions** and **Warnings**. These should be carefully read in order to minimize the risk of personal injury, or the possibility that improper service methods may damage the vehicle or render it unsafe. It is important to note that these **Cautions** and **Warnings** cover only the situations and procedures Chrysler Motors has encountered and recommended. Chrysler Motors could not possibly know, evaluate, and advise the service trade of all conceivable ways that service may be performed, or of the possible hazards of each. Consequently, Chrysler Motors has not undertaken any such broad service review. Accordingly, anyone who uses a service procedure, or tool, that is not recommended in this publication, must assure oneself thoroughly that neither personal safety, nor vehicle safety, be jeopardized by the service methods they select.

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CERTIFICATION
THROUGH



THE
SERVICE  
PROFESSIONALS



TALON BACKUP TECHNICAL INFORMATION MANUAL

FOREWORD

This manual has been prepared as an introduction to the specifications, features, construction and functions of the newly developed TALON. Please read this manual carefully as it will be of assistance for service and sales activities.

Please note that the service manuals are also available and should be used in conjunction with this manual.

All information, illustrations and product descriptions contained in this manual are current as at the time of publication. We, however, reserve the right to make changes at any time without prior notice or obligation.

This BACKUP DSM manual is to be used ONLY as a BACKUP. Please DO NOT REDISTRIBUTE WHOLE SECTIONS. This BACKUP was sold to you under the fact that you do indeed OWN a GENUINE DSM MANUAL. It CANNOT BE considered a REPLACEMENT (Unless your original manual was lost or destroyed.)

Please See README.TXT or

for additional information

Thank you. Gimmiemymanual@hotmail.com



Chrysler Motors reserves the right to make changes in design or to make additions to or improvements in its products without imposing any obligations upon itself to install them on its products previously manufactured.

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MODEL INDICATIONS

The following abbreviations are used in this manual for classification of model types.

M/T: Indicates the manual transaxle, or models equipped with the manual transaxle.

A/T: Indicates the automatic transaxle, or models equipped with the automatic transaxle.

MPI: Indicates the multi-point injection, or engines equipped with the multi-point injection.

DOHC: Indicates an engine with the double overhead camshaft, or a model equipped with such an engine.

Turbo: Indicates an engine with turbocharger, or a model equipped with such an engine.

Non-Turbo: Indicates an engine without turbocharger, or a model equipped with such an engine.

2WD: Indicates the front wheel-drive vehicles.

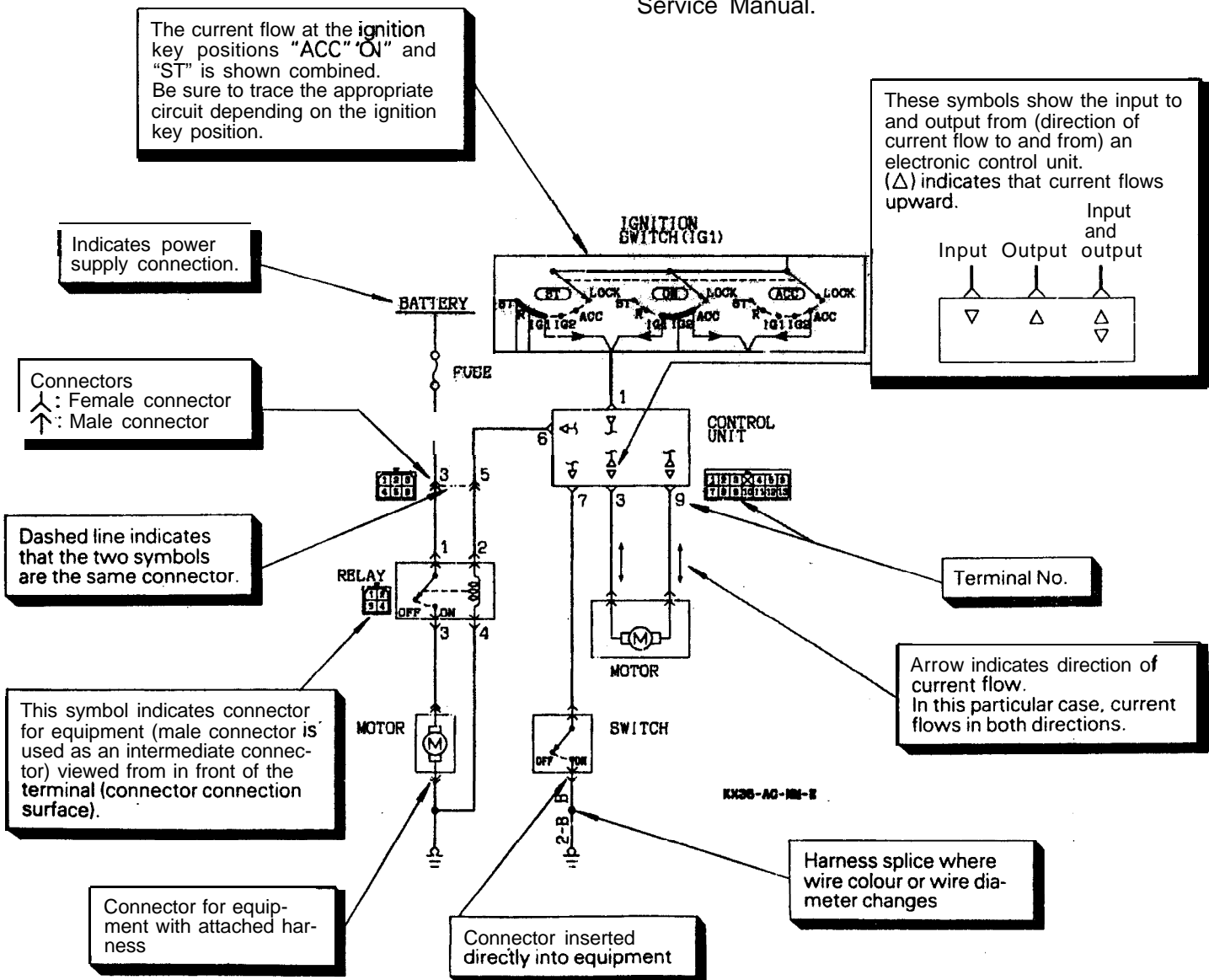
4WD: Indicates the 4 wheel-drive vehicles.

HOW TO READ A CIRCUIT DIAGRAM

Circuit diagrams are prepared as follows using these symbols:

NOTE

For specific details concerning the interpretation of circuit diagrams, refer to the separately bound Service Manual.



GENERAL

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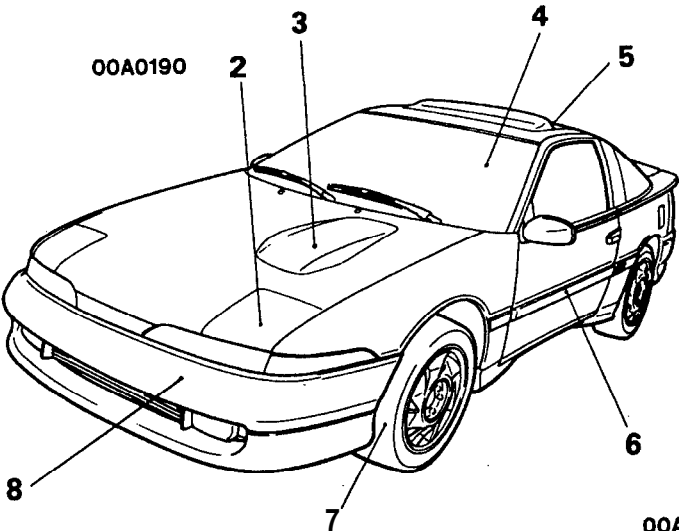
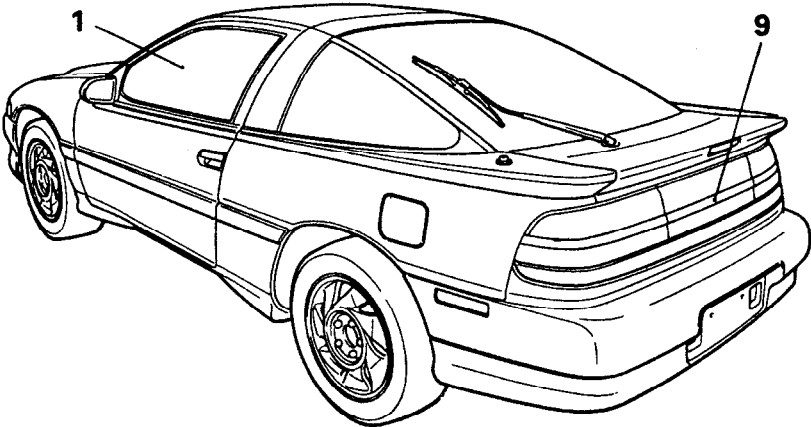
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TECHNICAL FEATURES

ROOCAAB

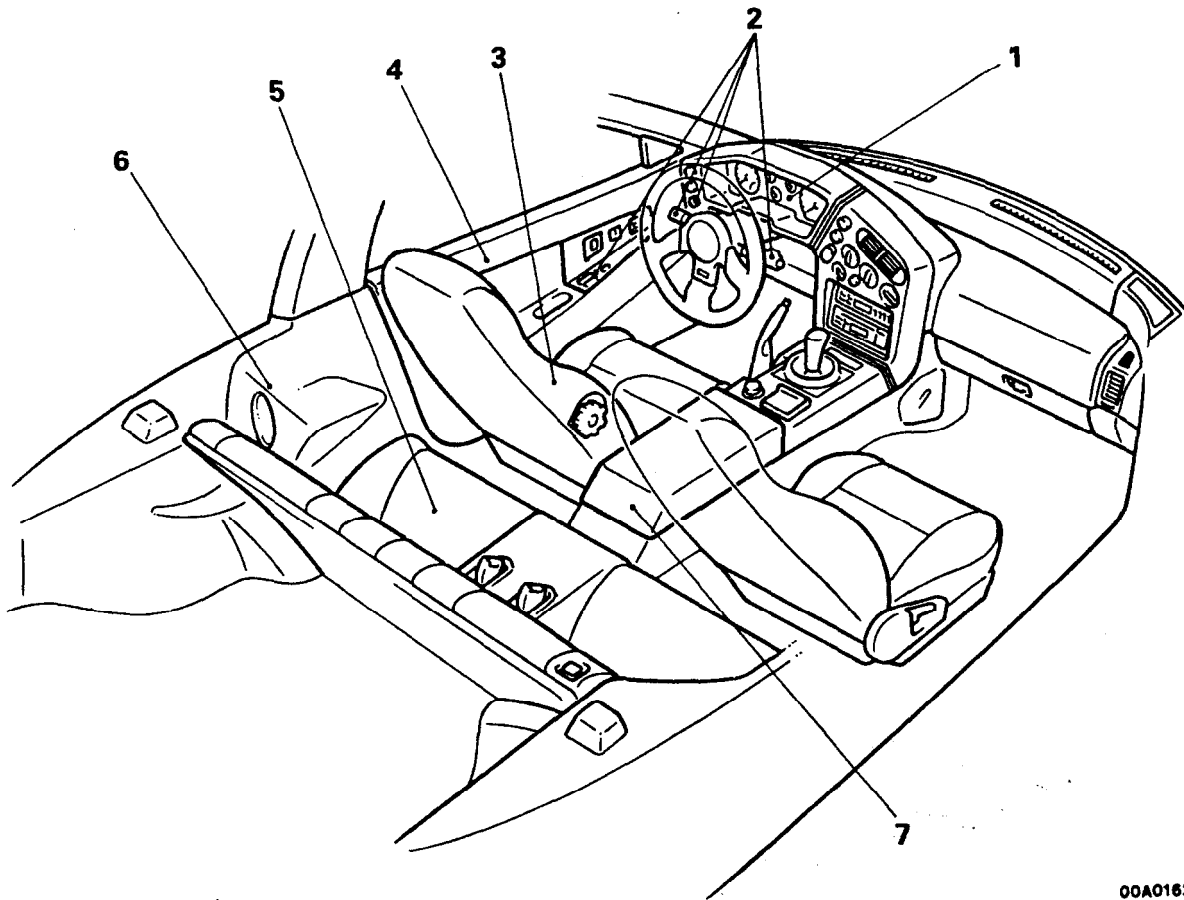
EXTERIOR

Low and wide profile for appearance sports car impression.



No.	Features
1	Flush surface and low front high rear styling for outstanding aerodynamic performance
2	Pop up headlights of optical horn type
3	Hood bulge indicating DOHC engine
4	Futuristic glass upper body
5	Removable tilt up sunroof (option for all models)
6	Smooth integrated body lines giving a lean appearance
7	Wide tires and wide tread to emphasize power and stability
8	Bumpers made integral with the body
9	Wall to wall tail lamps for sporty image

INTERIOR



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No.	Features
1	Cock pit type instrument panel to give sporty image
2	Switches arranged around the driver seat for easy access and operation
3	Hi back seats with integral head rest for comfortable and firm holding
4	Integrally molded door trims with round and smooth transition to the instrument panel
5	Sporty double seat with firm holding
6	Rear quarter trims with built in dynamic speakers
7	Easy to use large capacity console box

BASIC CONSTRUCTION

The 4WD vehicles are equipped with 2.0L DOHC 16-valve turbocharged engine and incorporate new technologies such as full time 4WD of center differential type with viscous coupling differential limiting for excellent running stability and excellent

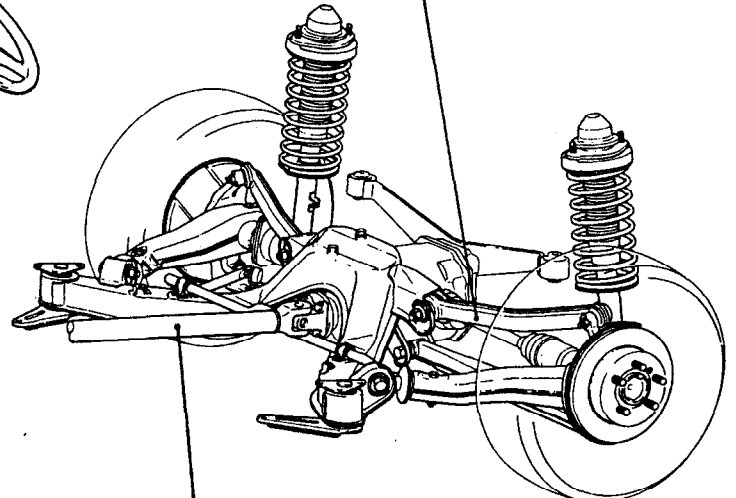
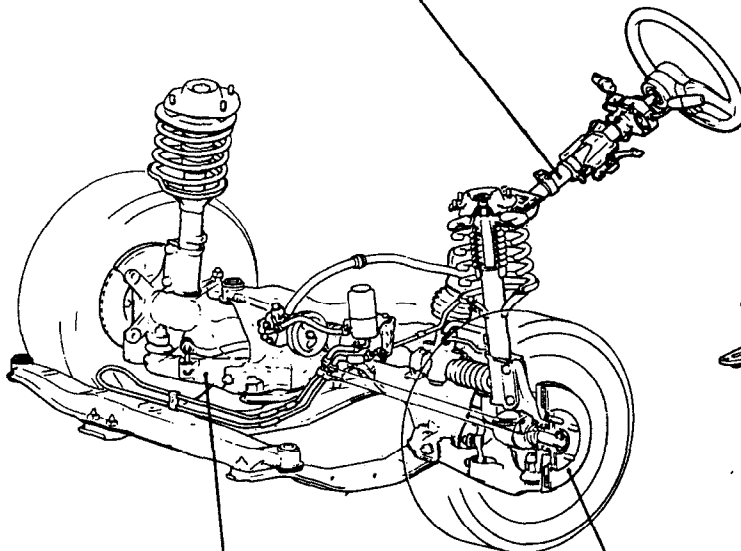
driving across bad roads, and 4-wheel independent suspension for comfortable riding. Adopted on 2WD vehicles are 2.0L DOHC 16-valve engine, MacPherson strut type front suspension and torsion axle type 3-link rear suspension.

Steering

- Light weight and compact rack and pinion type for high steering response
- Tilt steering mechanism to give optimum driving position

Rear suspension

- Self-aligning double wishbone type suspension for comfortable ride (4WD)
- Torsion axle type 3 link suspension for outstanding driving stability (2WD)
- Negative chamber for outstanding steerability during high speed driving
- Anti-lift geometry for high stability during braking
- Integral torsional bar type axle beam for optimum roll stiffness (2WD)



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Front propeller shaft (3-piece 4-joint type)

- R  bro joint to absorb lengthwise and angular change and prevent transmission of vibrations. (4WD)

Front suspension

The front suspension of McPherson strut type independent suspension system

- Under steer geometry for outstanding steering stability
- Negative offset geometry for outstanding stability at braking
- Offset coil springs for comfortable ride

Brakes

- Cross piping dual type proportioning valve that keeps balanced braking power even at failure of the hydraulic system.
- Four wheel disc brake system for high braking power.

ENGINE

The engines are the transverse-mounted engine especially for front-engine/front-wheel drive or front-engine/4-wheel drive models, the 2.0L DOHC 16-valve engine with high-performance, silent-

operation, low-vibration, low-noise, low-fuel-consumption features, an engine that fully displays the most up-to-date engine technology.

SPECIFICATIONS

Engine model	Displacement cc (cu.in.)	Max. output (SAE net) HP/rpm	Max. torque (SAE net) ft.lbs./rpm
4G63 Non-Turbo	1997 (122)	135/6000	125/5000
4G63 Turbo	1997 (122)	195/6000	203/3000

FEATURES

High performance and low fuel consumption

- The rocker arm reduces the valve-actuation torque as well as fuel consumption.
- Air-intake efficiency improved through the adoption of the optimum air-intake system layout.
- Improved response and fuel consumption has been achieved by electronic control multipoint fuel injection.
- Water-cooled turbocharger. <Turbo>

Quiet operation

- Noise and vibration have been decreased by the adoption of roller rocker arms.
- Noise generated by the valve mechanism has been decreased by the hydraulic auto lash adjusters.
- Vibrations have been decreased by the adoption of bearing caps with beams which increase the rigidity of the crankshaft support points.

Serviceability

- Complete self-diagnosis functions.
- Enhanced reliability through the adoption of gold-plated connector terminals.
- Use of an auto tensioner achieves maintenance-free, automatic adjustment of timing belt tension.
- Use of the auto lash adjusters achieves maintenance-free, automatic adjustment of valve clearance
- The 2-coil ignition system without a distributor supplies sufficient ignition energy even during high speed operation.

Fuel injection

The electronic control multipoint fuel injection maintains optimum injection timing.

Intake manifold

The large-diameter intake port provides high intake efficiency.

Ignition system

The 2-coil ignition system without a distributor supplies sufficient ignition energy even in the high speed operation.

Activation of valve system

The timing belt has excellent durability, achieving a low noise level while driving.

Crankshaft pulley

The pulley provided with a torsional damper reduces the transmission of vibrations.

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Valve mechanism

- The roller rocker arms decrease losses due to friction in the valve system.
- The auto lash adjusters eliminate the need to adjust the valve clearance.

Auto tensioner

The auto tensioner eliminates the need to adjust the timing belt tension.

Combustion chamber

The combustion chamber is provided with a squish area for high combustion efficiency.

Crankshaft

The low noise, low vibration crankshaft has five main bearings and eight balance weights.

