



# MATRIX

## Shop Manual

### FOREWORD

This shop manual is intended for use by service technicians of authorized Hyundai dealers to help them provide efficient and correct service and maintenance on Hyundai vehicle.

To ensure customer satisfaction with Hyundai products, proper service and maintenance by Hyundai technicians is essential. Consequently, it is important that service personnel fully understand the contents of this manual, which should be kept in a handy place for quick and easy reference.

All the contents of this manual, including photographs, drawings, and specifications, are the latest available at the time of printing. As modifications affecting service occur, dealers will be provided technical service bulletins or supplementary volumes. This manual should be kept carefully up-to date upon receipt of the new information.

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#### CAUTION :

Severe engine and transaxle damage may result from the use of poor quality fuels and lubricants that do not meet Hyundai specifications. You must always use high quality fuels and lubricants that meet the specifications listed in the Recommended Lubricants and Capacities Chart on Page GI-12 in the General Information Section of the Shop Manual.

**NOTE :** Regarding the groups in small characters, refer to Electrical Troubleshooting Manual.  
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TITLE	GROUP
General Information	GI
Engine Mechanical System [DOHC 1.8L]	EM
Engine Mechanical System [DOHC 1.6L]	EMA
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Fuel System	FL
Clutch System	CH
Transaxle/Transmission	TR
Driveshaft and Axle	DS
Suspension System	SS
Steering System	ST
Restraints System	RT
Brake System	BR
Body (Interior & Exterior)	BD
Body Electrical System	BE
Heating, Ventilation & Air Conditioning	HA
Electrical Troubleshooting Manual	ETM