









General Information

General Information



Fundamental procedures

Symbols

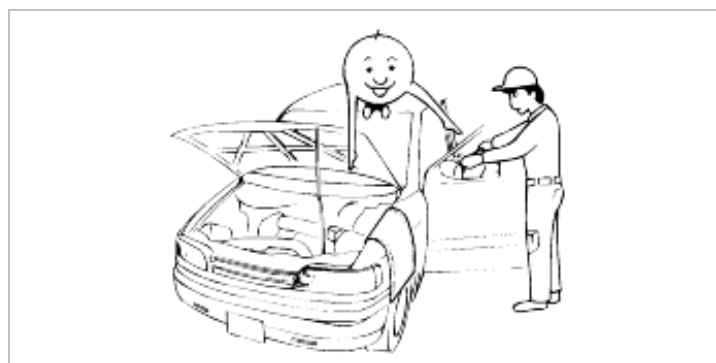
Symbol	Meaning	Type
	Apply oil	New engine oil, gear oil, etc. as appropriate
	Apply brake fluid	Only brake fluid
	Apply automatic transmission fluid (ATF)	Only ATF
	Apply grease	Appropriate grease
	Apply sealant	Appropriate sealant
	Apply petroleum jelly	Appropriate petroleum jelly

NOTICE

Whenever special oil or grease is required, it will be identified in figure.

NOTICES, CAUTIONS AND WARNINGS

PROTECTION OF VEHICLE

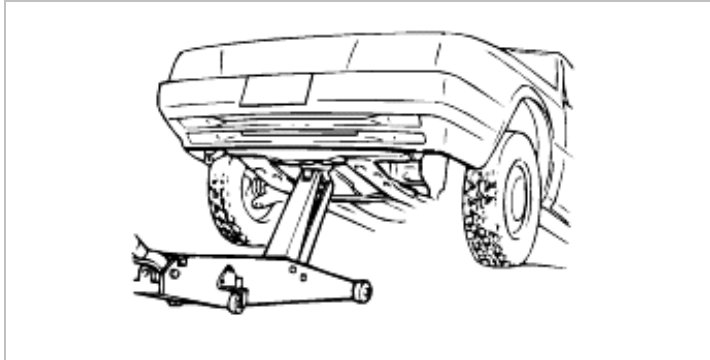


A WORD ABOUT SAFETY

The following precautions must be followed when jacking up the vehicle:

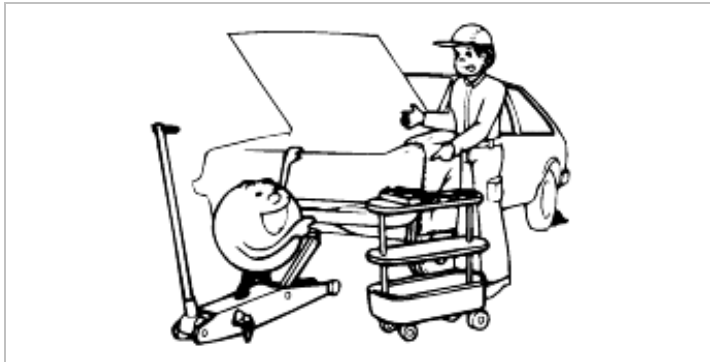
1. Block the wheels.
2. Use only the specified jacking positions.
3. Support the vehicle with safety stands.

The engine compartment must be clear of tools and people before starting the engine.

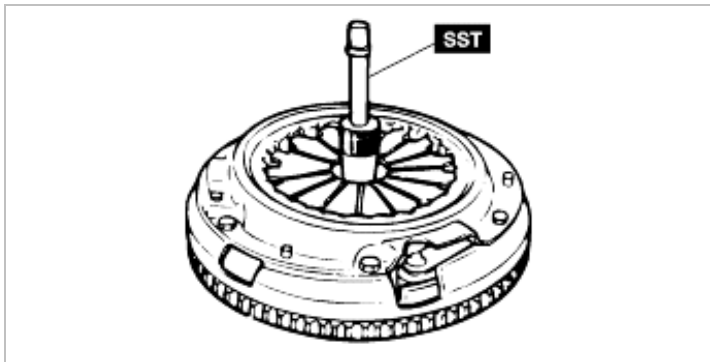


PREPARATION OF TOOLS AND MEASURING EQUIPMENT

All necessary tools and measuring equipment should be available before starting any work.



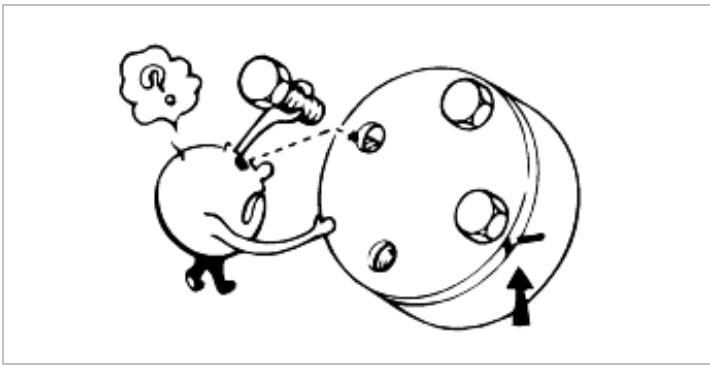
SPECIAL SERVICE TOOLS (SST'S)



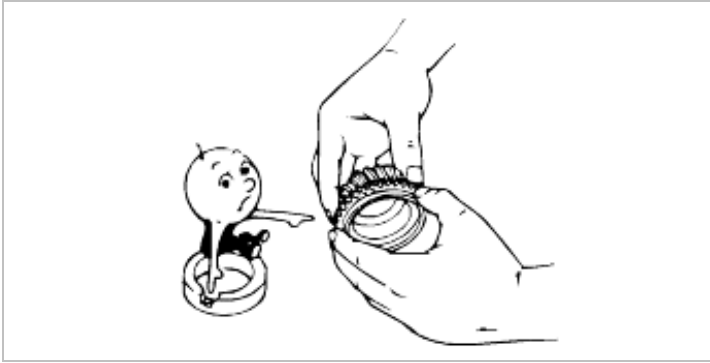
REMOVAL OF PARTS



DISASSEMBLY



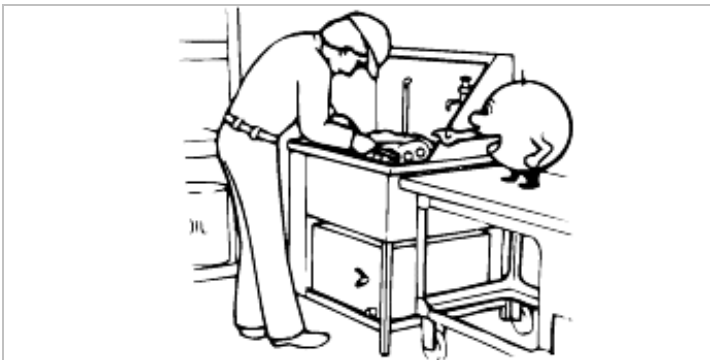
INSPECTION OF PARTS



Arrangement of parts

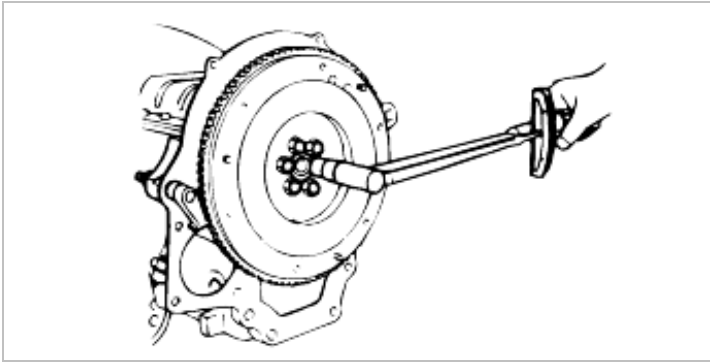


CLEANING PARTS FOR REUSE



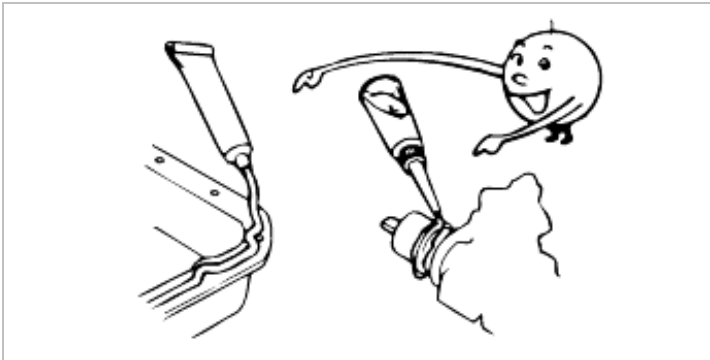
REASSEMBLY

1. Oil seals
2. O-rings
3. Cotter pins
4. Gaskets
5. Lock washers
6. Nylon nuts

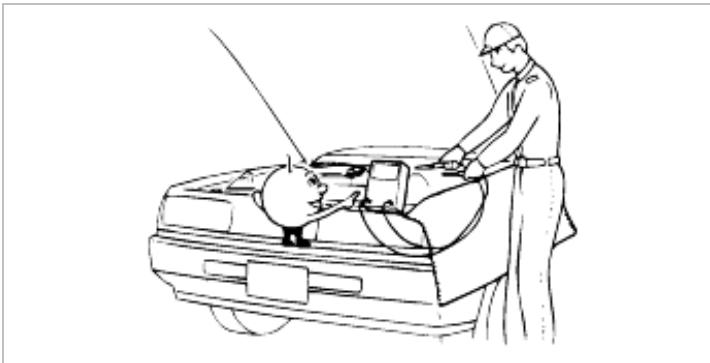


DEPENDING ON LOCATION:

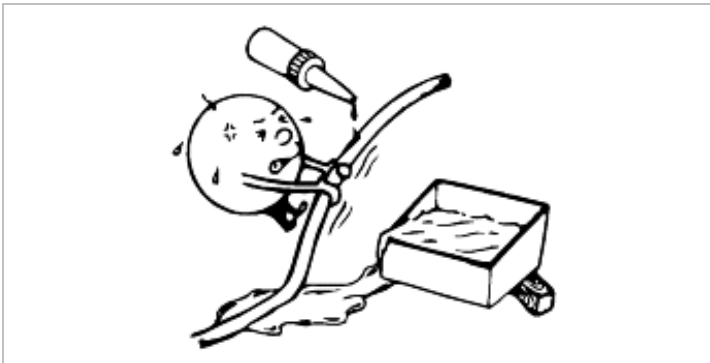
1. Sealant should be applied or new gaskets installed.
2. Oil should be applied to the moving components of parts.
3. Specified oil or grease should be applied at the appropriate locations (such as oil seals) before reassembly.



Adjustments



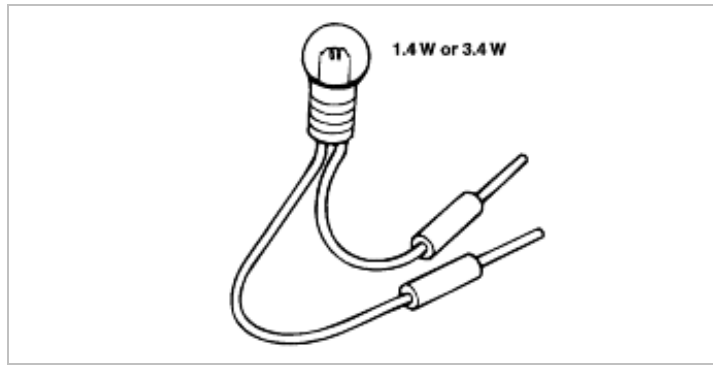
Rubber parts and tubing



Electrical troubleshooting tools (Test Light)

CAUTION

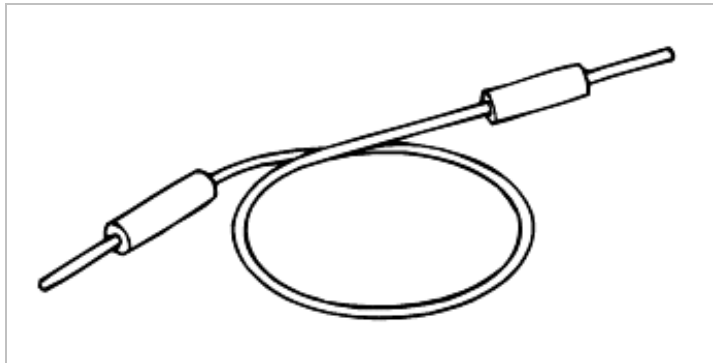
When checking the engine control module (ECM), never use a bulb exceeding 3.4W.



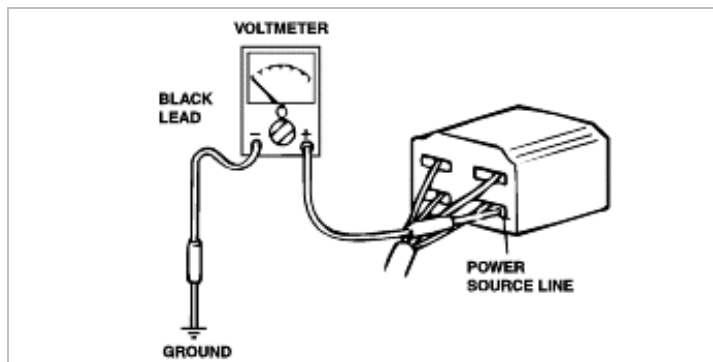
Electrical troubleshooting tools(Jumper wire)

CAUTION

Do not connect a jumper wire from the power source line to a body ground. Such a connection may cause damage to harnesses or electronic components.



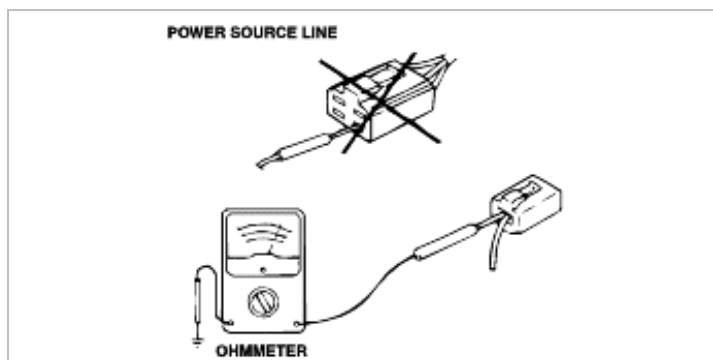
VOLTMETER



OHMMETER

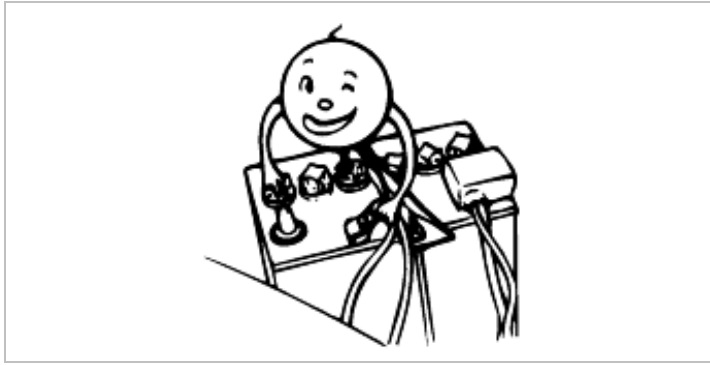
CAUTION

Do not attempt to connect the ohmmeter to any circuit in which voltage is applied. Such a connection may damage the ohmmeter.



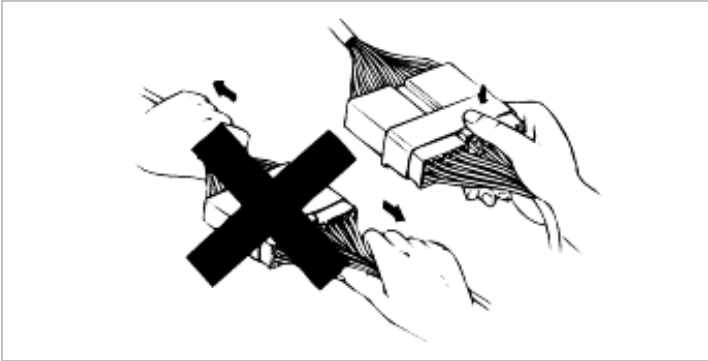
Electrical parts

Battery cable

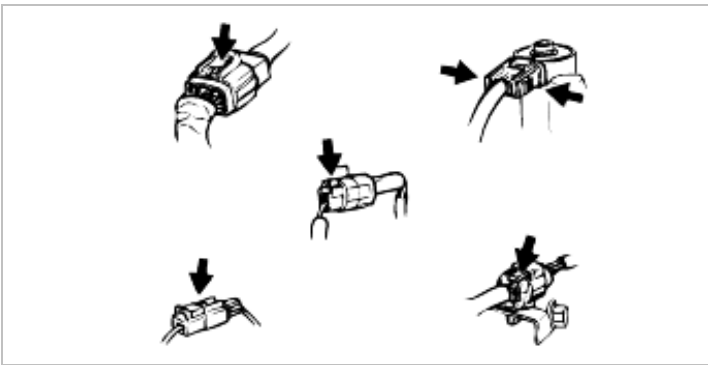


Connectors(Removal of connector)

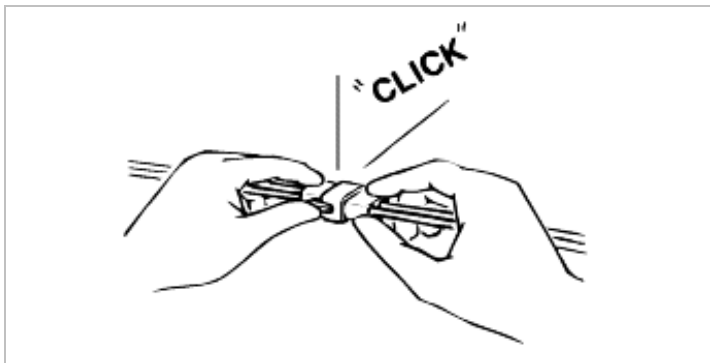
1. Never pull on the wiring harness when disconnecting connectors.



2. Connectors can be removed by pressing or pulling lock lever.

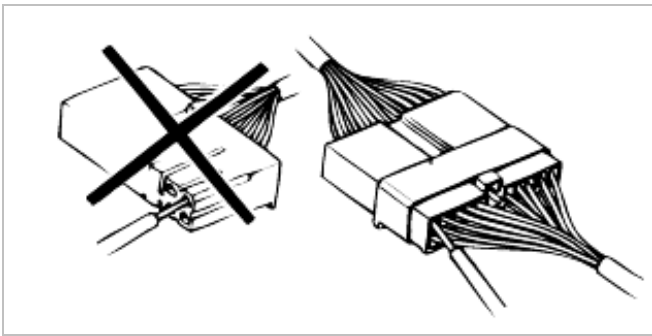


Connectors(Locking a connector)



Connectors(Inspection)

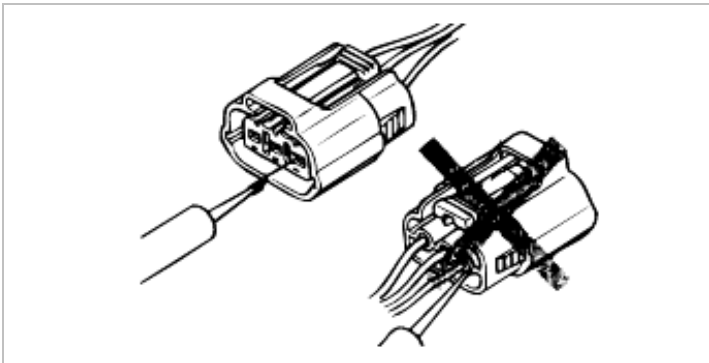
1. When a tester is used to check for continuity or to measure voltage, insert tester probe from wire harness side.



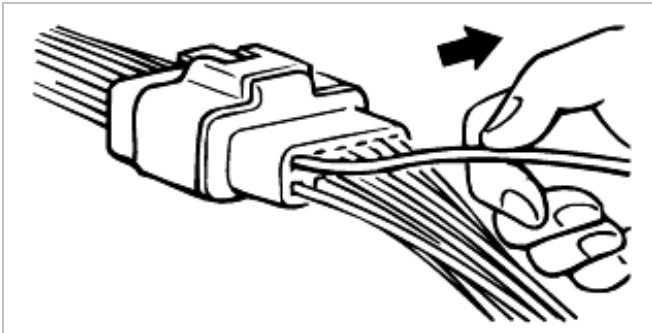
2. Check terminals of waterproof connectors from connector side because they cannot be accessed from harness side.

NOTICE

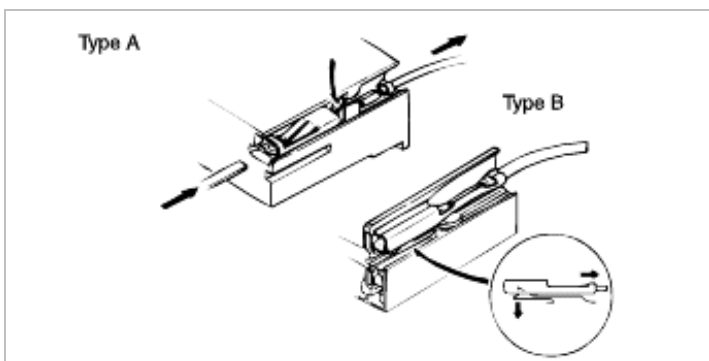
- Use a fine wire to prevent damage to the terminal.
- Do not damage the terminal when inserting the tester lead.



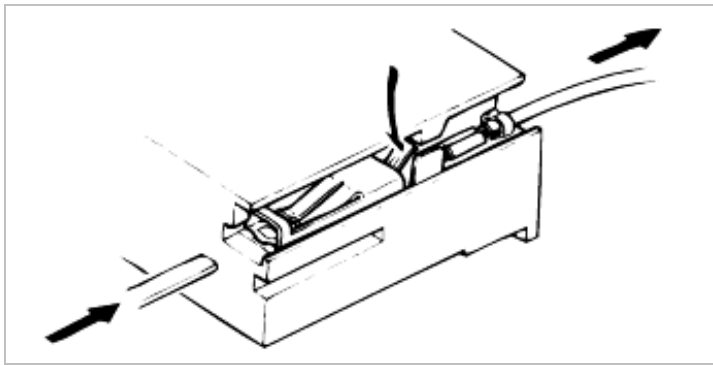
Terminals(Inspection)



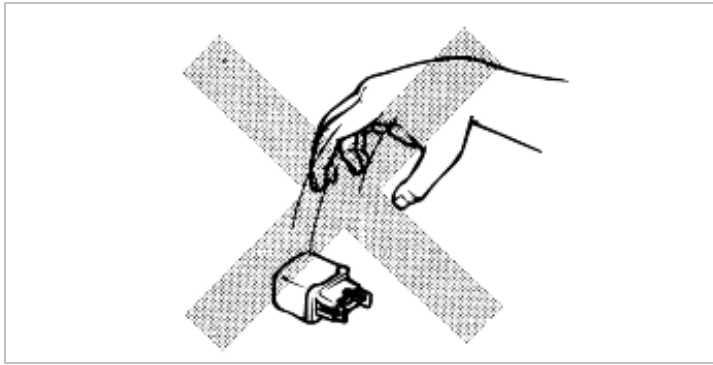
REPLACEMENT OF TERMINALS



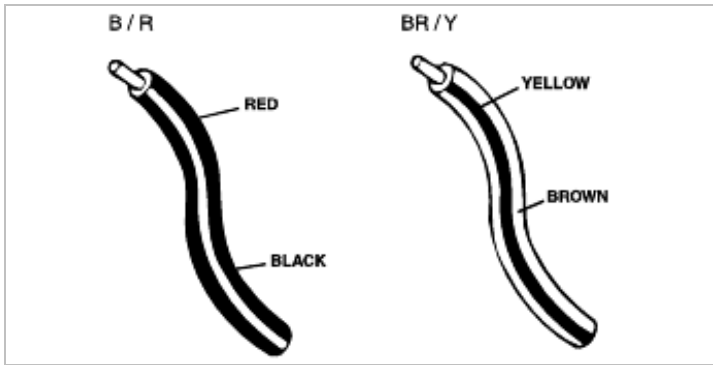
MALE



SENSORS, SWITCHES, AND RELAYS



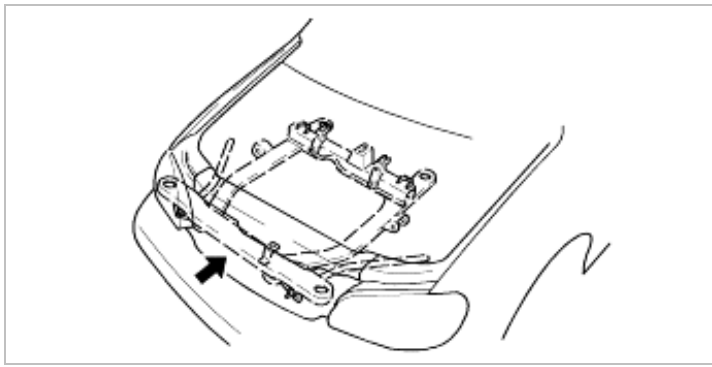
WIRING COLOR CODES



CODE	COLOR	CODE	COLOR
B	BLACK	P	PINK
BR	BROWN	R	RED
G	GREEN	S	SILVER(LIGHT BLUE)
GY	GRAY	T	TAWNY
L	BLUE	V	VIOLET
LG	LIGHT GREEN	W	WHITE
O	ORANGE	Y	TEELLOW

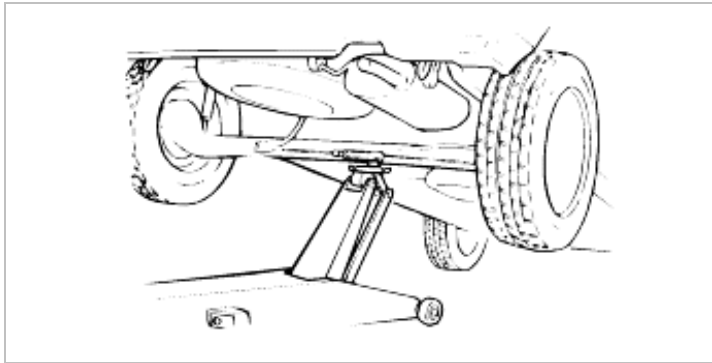
JACK POSITIONS

Front end jack position:



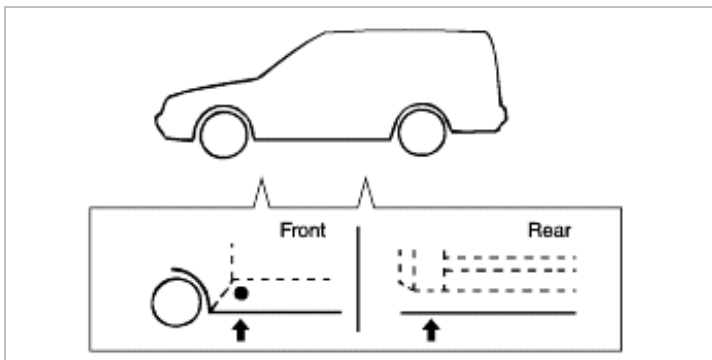
Rear end Jack position:

At the center of the rear axle.

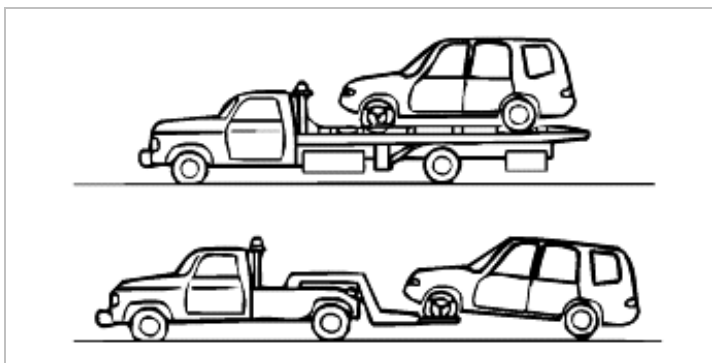


VEHICLE LIFT (2-SUPPORT TYPE) AND SAFETY STAND POSITIONS

Front end / Rear end



towing



With either automatic or manual transmission:

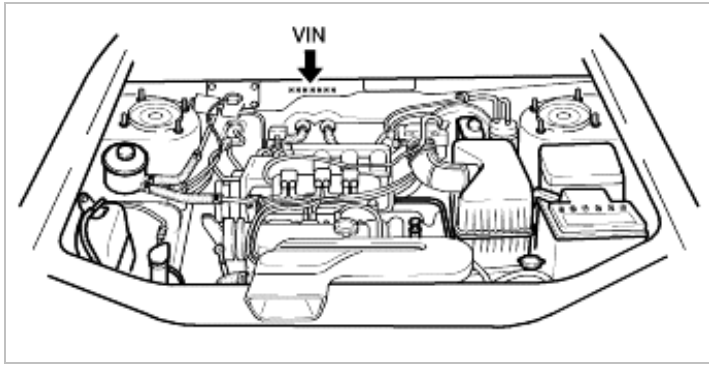
1. Set the ignition switch in the ACC position.
2. Place the selector lever or shift lever in N (Neutral).
3. Release the parking brake.

CAUTION

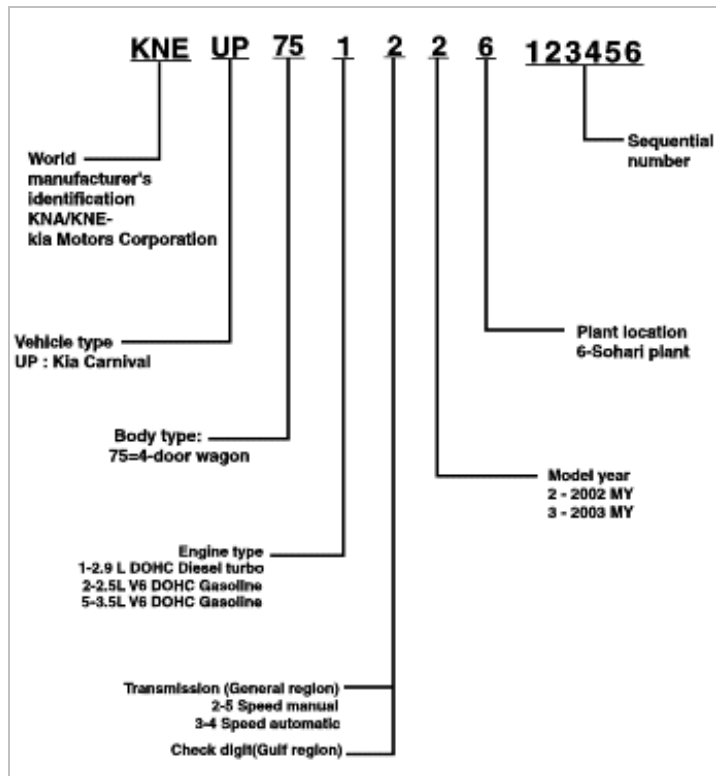
- 1) Do not tow vehicle backward with driving wheels on the ground. This may cause internal damage to transmission.

- 2) Do not use hook loops under the front and rear of the vehicle for towing purposes. These hook loops are designed ONLY for transport tie-down. If tie-down hook loops are used for towing, the front/rear bumper will be damaged.

VIN LOCATIONS

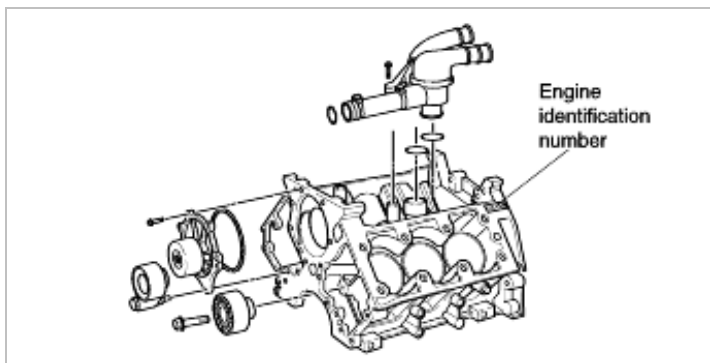


Vehicle identification number arrangement

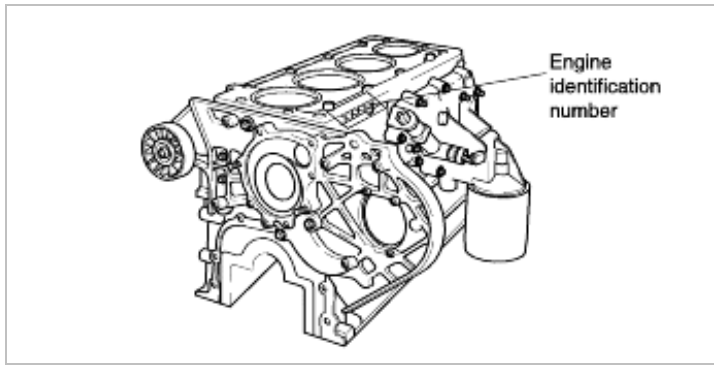


ENGINE NUMBER LOCATIONS

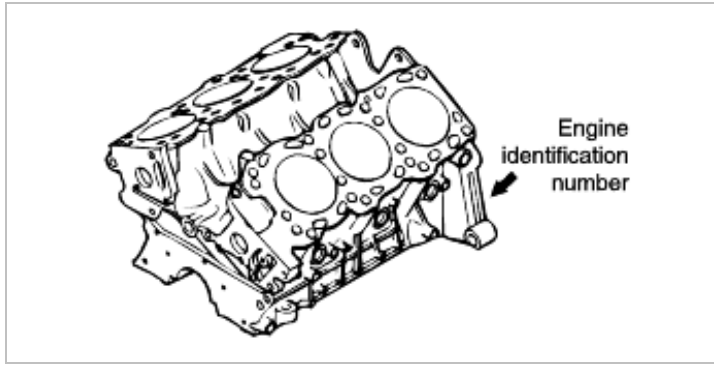
GV6 Gasoline



J3 Tci Diesel

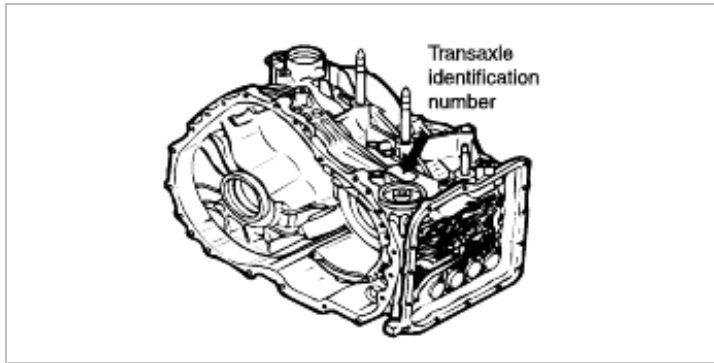


SIGMA 3.5



Transaxle number locations

F5A51-A and F4A51-2 (For Σ3.5 Eng. and GV6 2.5 Eng.)



50-42LE (For J3 TCI Eng.)

?

English/Metric conversion table

Multiply	by	to get equivalent number of:	Multiply	by	to get equivalent number of:
Length			Acceleration		
Inch (in)	25.4	millimeters (mm)	Foot/sec ²	0.3048	meter/sec ² (m/s ²)
Foot (ft)	0.3048	meters (m)	Inch/sec ²	0.0254	meter/sec ² (m/s ²)
Yard	0.9144	meters (m)	Torque		
Mile	1.609	Kilometers (km)	Inch-pound	0.11298	newton-meters (N·m)
			Foot-pound	1.3558	newton-meters (N·m)
Area			Power		
Inch ² (in ²)	645.2	millimeters ² (mm ²)	Horsepower (HP)	0.746	kilowatts (kw)
	6.45	centimeters ² (cm ²)	Pressure		
Foot (ft ²)	0.0929	meters ² (m ²)	Pounds/inch ² (psi)	6.895	kilopascals (kPa)
Yard	0.8361	meters ² (m ²)	Energy		
Volume			Foot-pound	1.3558	joules (J)
Inch ³ (in ³)	16387	mm ³	Kilowatt-hour	3 600 000	joules (J)
	16.387	cm ³			
	0.0164	liters (l)			
Quart (qt)	0.9464	liters (l)			
Gallon	3.7854	liters (l)			
Yard	0.7646	meters ³ (m ³)			
Mass			Fuel performance		
Pound (lb)	0.4536	kilograms (kg)	Miles/gal (mpg)	0.4251	kilometers/liter (km/l)
Ton	907.18	kilograms (kg)			
FORCE			Velocity		
Kilogram	9.807	newtons (N)	Miles/hour (mph)	1.6093	kilometers/hour
Ounce (oz)	0.2780	newtons (N)			
Pound (lb)	4.448	newtons (N)			
Temperature					
To convert fahrenheit temperature to celsius temperature, use formula: C= 5/9 (F-32)			To convert celsius temperature to fahrenheit temperature, use formula: F= 9/5 C + 32		

UNITS

ft-lb or in-lb (N·m)	Torque
rpm	Rotational speed
A	Amperes
V	Volts
Ω	Resistance
psi (kPa)	Pressure
inHg (mmHg)	Pressure (usually negative vacuum)
W	Watts

	(electrical power)
US qt (liters)	Volume
in (mm)	Length

ABBREVIATIONS

ABDC	After bottom dead center
ABS	Anti-lock braking system
A/C	Air conditioner
ACC	Accessories
A/T	Automatic transaxle
ATDC	After top dead center
ATF	Automatic transmission fluid
BBDC	Before bottom dead center
BTDC	Before top dead center
CMP	Camshaft position sensor
CKP	Crankshaft position sensor
DIS	Distributorless ignition system
DLC	Data link connector
DOHC	Dual overhead Camshaft
EBD	Electronic brake-force distribution
ECM	Engine control module
ECT	Engine coolant temperature
E/L	Electrical load
EX	Exhaust
GND	Ground
HLA	Hydraulic lash adjuster
HO ₂ S	Heated oxygen sensor
IAT	Intake air temperature
IGN	Ignition
IN	Intake
INT	Intermittent

IAC	-----	Idle air control
LH	-----	Left hand
M	-----	Motor
MAF	-----	Mass air flow
MIL	-----	Malfunction indicator light
M/S	-----	Manual steering
M/T	-----	Manual transaxle
OBD	-----	On-board diagnosis
OFF	-----	Switch off
ON	-----	Switch on
PCV	-----	Positive crankcase ventilation
P/S	-----	Power steering
PRC	-----	Pressure regulator control
P/W	-----	Power window
RH	-----	Right hand
SFI	-----	Sequential fuel injection system
SST	-----	Special service tool
SW	-----	Switch
TCM	-----	Transaxle control module
TCS	-----	Traction control unit
TDC	-----	Top dead center
TNS	-----	Tail number side
TPS	-----	Throttle position sensor
TWC	-----	Three way catalyst
WU-TWC	-----	Warm-up three-way catalyst

MAINTENANCE SCHEDULE(NORMAL)

MAINTENANCE INTERVALS			Number of months or driving distance, whichever comes first									
			Months		12	24	36	48	60	72	84	96
			x1000	Miles	10	20	30	40	50	60	70	80
MAINTENANCE ITEM				Km	15	30	45	60	75	90	105	120
Drive belts ¹⁾					I		I		I			I
Engine oil and Engine oil filter		Gasoline engine		R	R	R	R	R	R	R	R	R
		Diesel engine	Europe	Replace every 10,000 km (6,000 Miles) or every 6 Months								
			except europe	Replace at first 1,000 km : after that replace every 7,500 km (5,000 Miles) or every 6 Months								
Engine timing belt										R		
Air cleaner element					I	R	I	R	I	R	I	R
Spark plugs		Gasoline engine	lead			R				R		
			unleaded							R		
Cooling system						I		I		I		I
Engine coolant				Replace at first 60 months or 100,000 km: after that replace every 24 months or 40,000 km								
Fuel filter		Gasoline engine					R				R	
		Diesel engine		R			R		R		R	
Fuel lines and hoses						I		I		I		I
E.G.R system (if equipped)		Diesel engine				I		I		I		I
Idle speed						I		I		I		I
Initial ignition timing		Gasoline engine				I		I		I		I
Battery condition						I		I		I		I
All electrical system					I	I	I	I	I	I	I	I
Brake lines, hoses and connections					I	I	I	I	I	I	I	I
Brake pedal						I		I		I		I
Parking brake						A		A		A		A
Clutch pedal (if equipped)						I		I		I		I
Brake and clutch fluid (if equipped)						I		I		I		I
Drum brake						I		I		I		I
Disc brakes					I	I	I	I	I	I	I	I
Power steering fluid					I	I	I	I	I	I	I	I
Power steering system and hoses						I		I		I		I
Tire (Pressure & Tread wear)					I	I	I	I	I	I	I	I
Front suspension ball joints					I	I	I	I	I	I	I	I
Bolt and nuts on chassis and body							T			T		
Air conditioner refrigerant (if equipped)					I	I	I	I	I	I	I	I
Air conditioner compressor (if equipped)					I	I	I	I	I	I	I	I
Air conditioner air filter (if equipped)					R	R	R	R	R	R	R	R
Manual transaxle oil					I	I	I	I	I	I	I	I
Auto transaxle fluid		Gasoline engine	For Europe	I	I	I	I	I	I	I	I	I
			Except Europe	I	I	I	I	I	I	I	I	I
		Diesel engine		Replace every 40,000 km (25,000 Miles)								
I : Inspect and if necessary, correct, clean or replace. A : Adjust R : Replace or change T : Tighten 1) Adjust alternator and power steering (and water pump drive belt) and airconditioner drive belt (if equipped). Inspect and if necessary correct or replace.												

MAINTENANCE SCHEDULE(SEVERE)

The following items must be serviced more frequently on cars normally used under severe driving conditions. Refer to the chart below for the appropriate maintenance intervals.

Maintenance Item			Maintenance operation	Maintenance intervals	Driving condition
Engine oil and filter	Gasoline engine		R	Every 7,500 km(5,000 Miles)	A, B, C, F, H
	Diesel engine	For Europe	R	Every 7,500 km(5,000 Miles)	A, B, C, F, H
		Except Europe	R	Every 5,000 km(3,000 Miles)	A, B, C, F, H
Air cleaner element			R	More frequently	C, H
Spark plug		Gasoline engine	R	More frequently	B, H
Engine timing belt			R	Every 60,000 km(40,000 Miles) or 48 MON	D, E, F, G
Automatic transaxle fluid		Gasoline engine	R	Every 45,000 km(30,000 Miles)	C, D, E, G, H, I, J
		Diesel engine	R	Every 20,000 km(13,000 Miles)	C, D, E, G, H, I, J
Manual transaxle oil			R	Every 10,000 km(60,000 Miles)	C, D, E, G, H, I, J
Brake pads, calipers and rotors			I	More frequently	C, D, G, H
Rear brake drums/Linings, Paking brake			I	More frequently	C, D, G, H

R : Replace I : Inspection and, after inspection, clean, adjust, repair or replace if necessary

Severe Driving Conditions

A : Repeated short distance driving

B : Extensive idling

C : Driving in dusty, rough roads

D : Driving in areas using salt or other corrosive materials
or in very cold weather

E : Driving in sandy areas

F : More than 50% driving in heavy city traffic during
hot weather above 32°C (90°F)

G : Driving in mountainous areas





H : Towing a trailer



I : Driving for patrol car, taxi, commercial car or vehicle towing.

J : Driving over 170 km/h (106 mile/h)

Fundamental procedures

Symbols

Symbol	Meaning	Type
	Apply oil	New engine oil, gear oil, etc. as appropriate
	Apply brake fluid	Only brake fluid
	Apply automatic transmission fluid (ATF)	Only ATF
	Apply grease	Appropriate grease

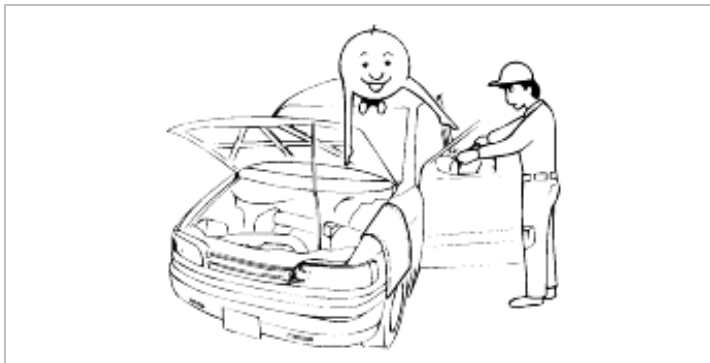
	Apply sealant	Appropriate sealant
	Apply petroleum jelly	Appropriate petroleum jelly

NOTICE

Whenever special oil or grease is required, it will be identified in figure.

NOTICES, CAUTIONS AND WARNINGS

PROTECTION OF VEHICLE

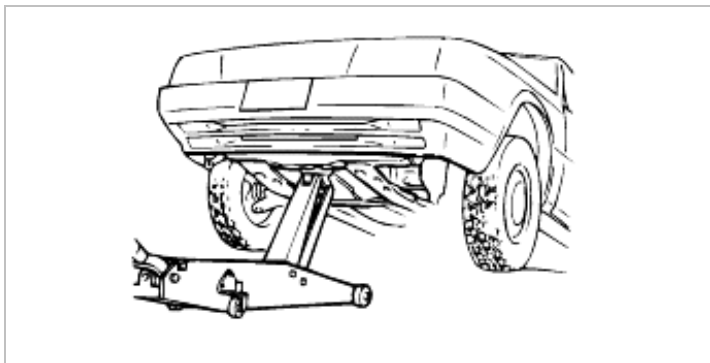


A WORD ABOUT SAFETY

The following precautions must be followed when jacking up the vehicle:

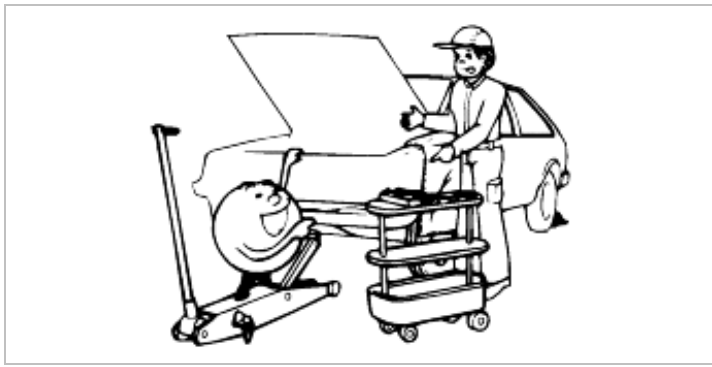
1. Block the wheels.
2. Use only the specified jacking positions.
3. Support the vehicle with safety stands.

The engine compartment must be clear of tools and people before starting the engine.

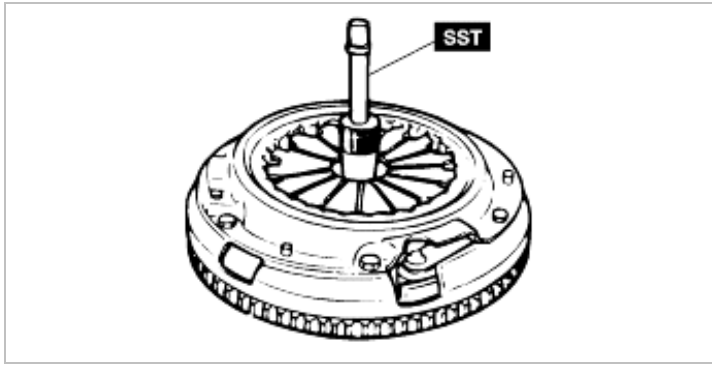


PREPARATION OF TOOLS AND MEASURING EQUIPMENT

All necessary tools and measuring equipment should be available before starting any work.



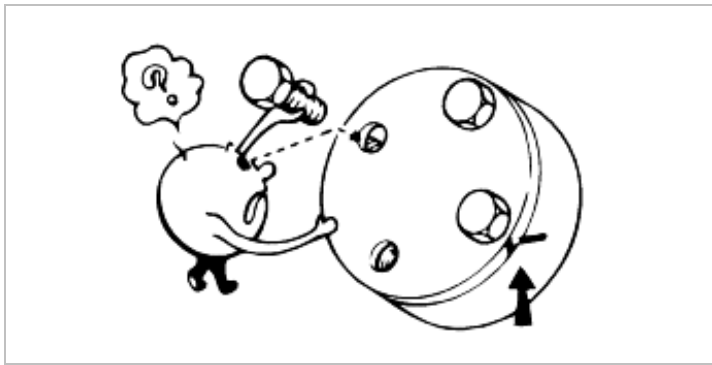
SPECIAL SERVICE TOOLS (SST'S)



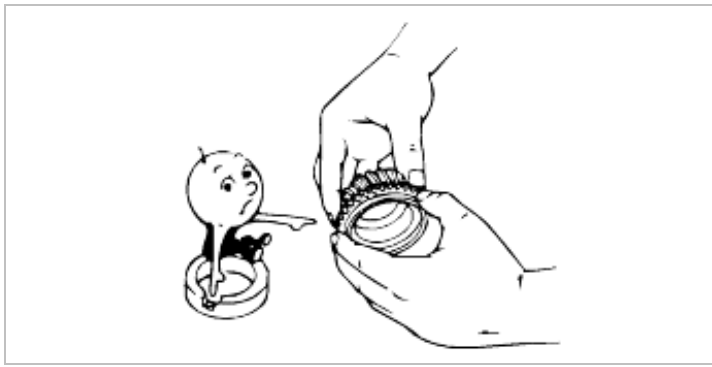
REMOVAL OF PARTS



DISASSEMBLY



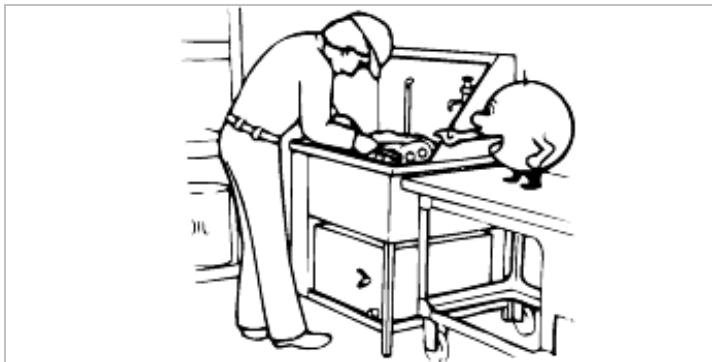
INSPECTION OF PARTS



Arrangement of parts

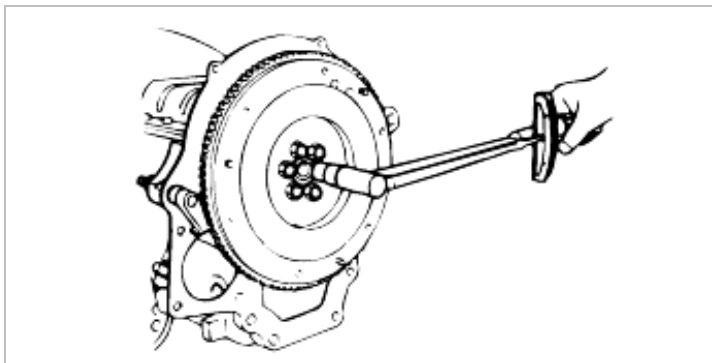


CLEANING PARTS FOR REUSE



REASSEMBLY

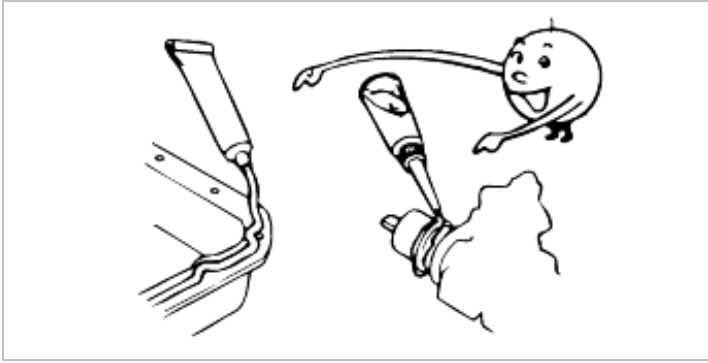
1. Oil seals
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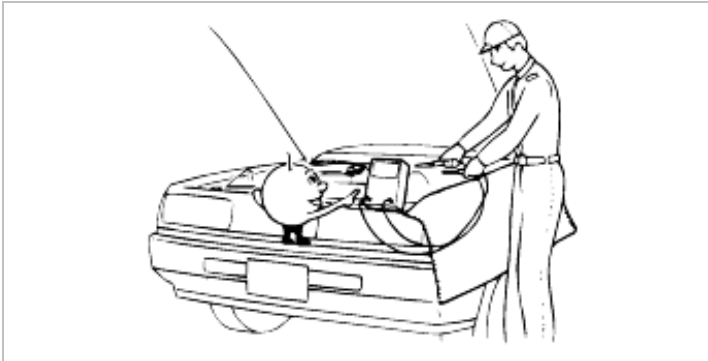
DEPENDING ON LOCATION:

1. Sealant should be applied or new gaskets installed.
2. Oil should be applied to the moving components of parts.

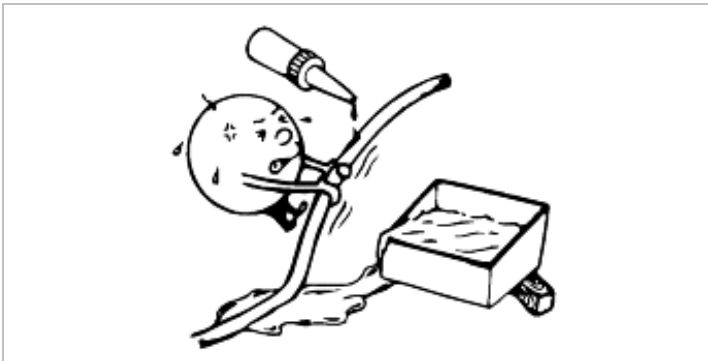
3. Specified oil or grease should be applied at the appropriate locations (such as oil seals) before reassembly.



Adjustments



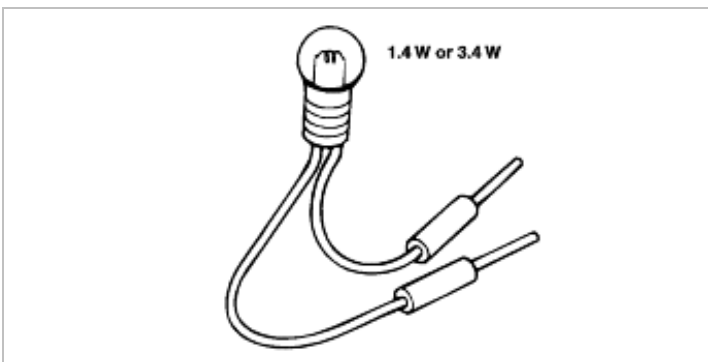
Rubber parts and tubing



Electrical troubleshooting tools (Test Light)

CAUTION

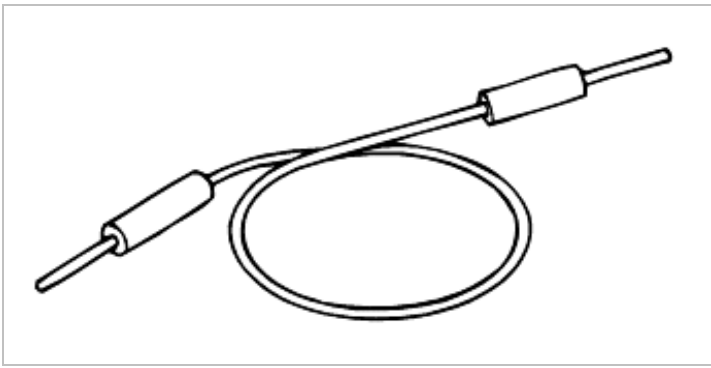
When checking the engine control module (ECM), never use a bulb exceeding 3.4W.



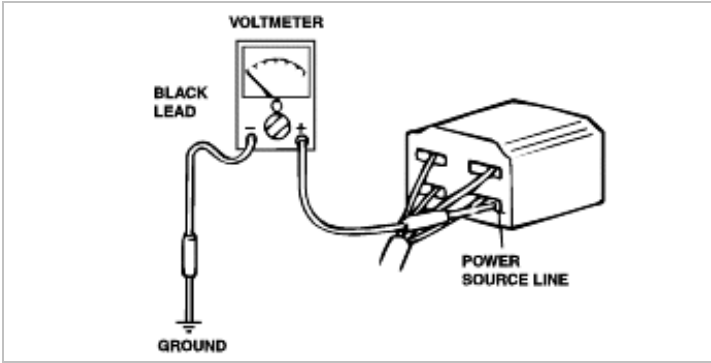
Electrical troubleshooting tools(Jumper wire)

CAUTION

Do not connect a jumper wire from the power source line to a body ground. Such a connection may cause damage to harnesses or electronic components.



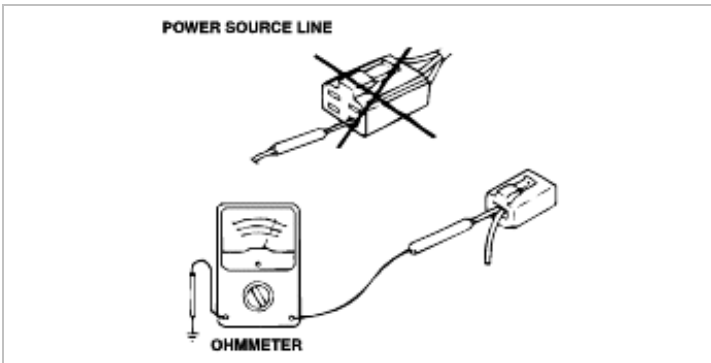
VOLTMETER



OHMMETER

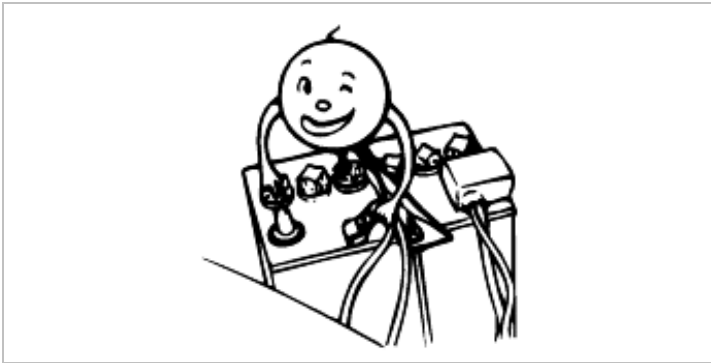
CAUTION

Do not attempt to connect the ohmmeter to any circuit in which voltage is applied. Such a connection may damage the ohmmeter.



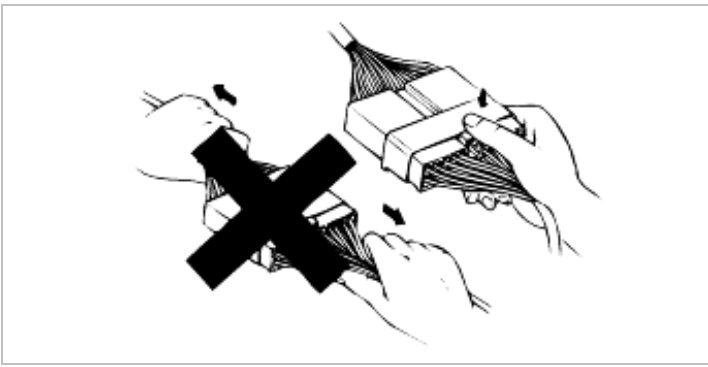
Electrical parts

Battery cable

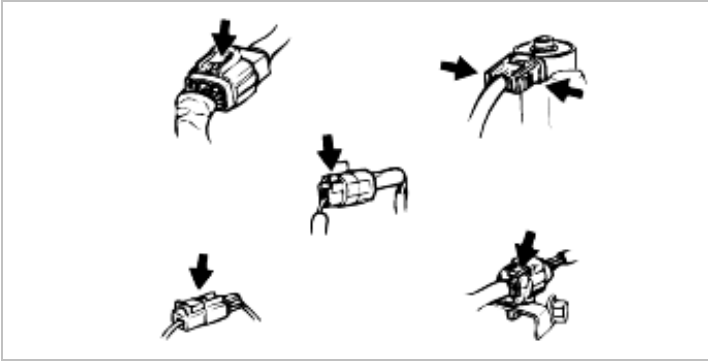


Connectors(Removal of connector)

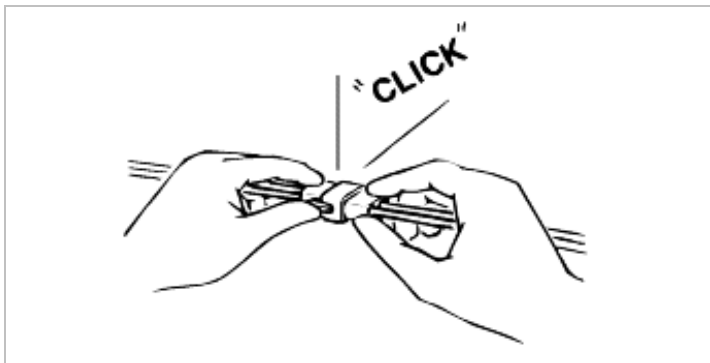
1. Never pull on the wiring harness when disconnecting connectors.



2. Connectors can be removed by pressing or pulling lock lever.

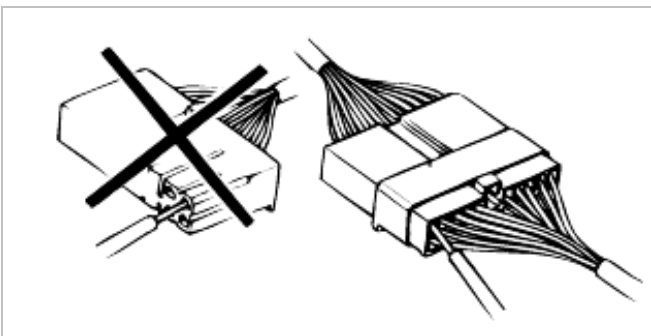


Connectors(Locking a connector)



Connectors(Inspection)

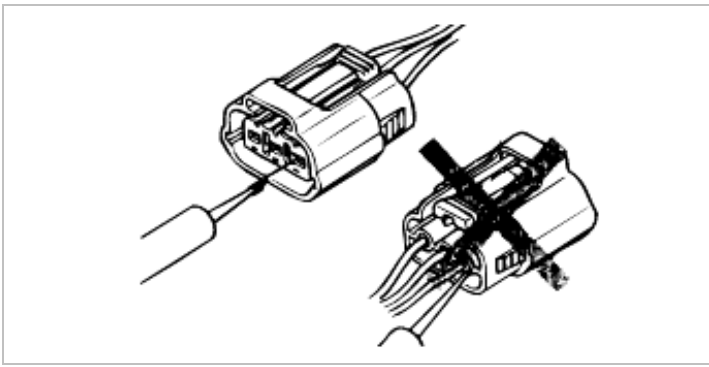
1. When a tester is used to check for continuity or to measure voltage, insert tester probe from wire harness side.



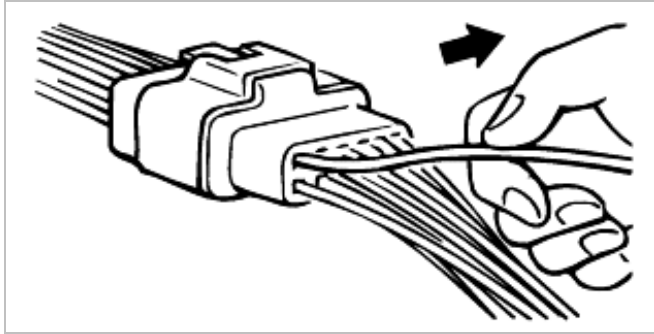
2. Check terminals of waterproof connectors from connector side because they cannot be accessed from harness side.

NOTICE

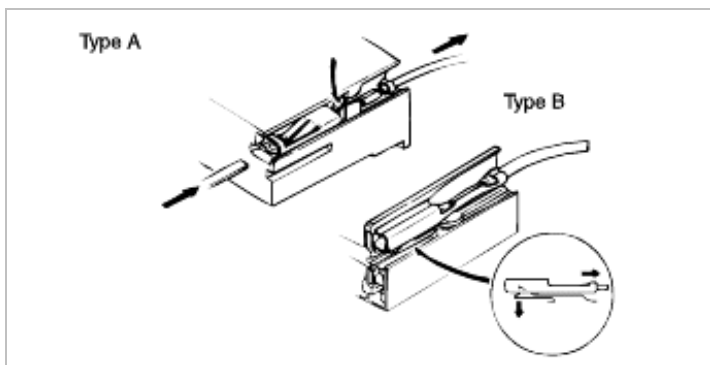
- Use a fine wire to prevent damage to the terminal.
- Do not damage the terminal when inserting the tester lead.



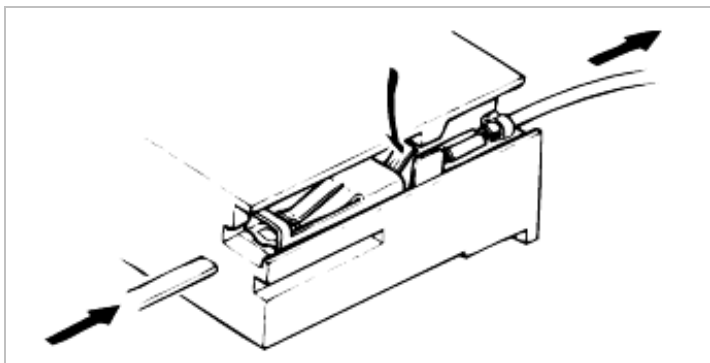
Terminals(Inspection)



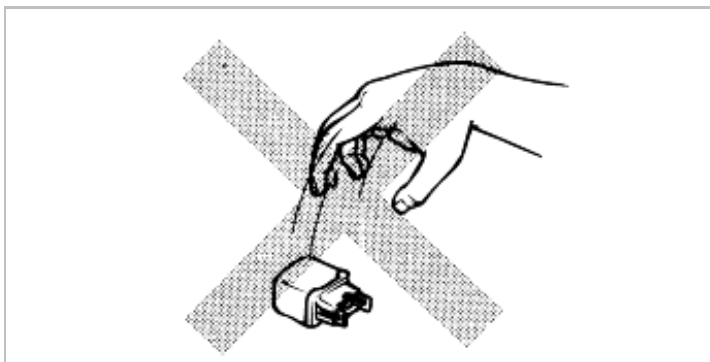
REPLACEMENT OF TERMINALS



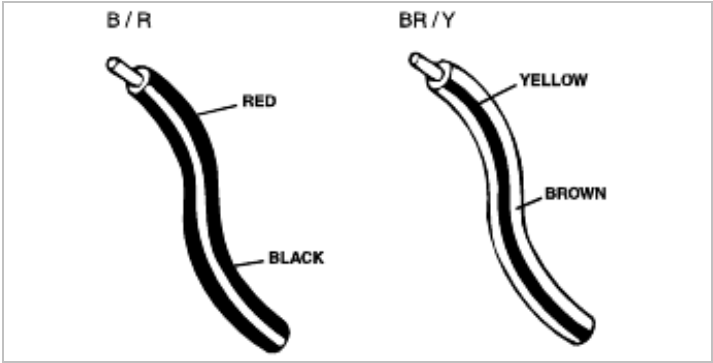
MALE



SENSORS, SWITCHES, AND RELAYS



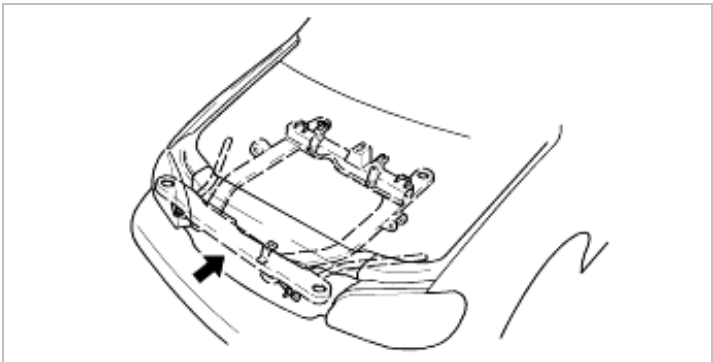
WIRING COLOR CODES



CODE	COLOR	CODE	COLOR
B	BLACK	P	PINK
BR	BROWN	R	RED
G	GREEN	S	SILVER(LIGHT BLUE)
GY	GRAY	T	TAWNY
L	BLUE	V	VIOLET
LG	LIGHT GREEN	W	WHITE
O	ORANGE	Y	TEELLOW

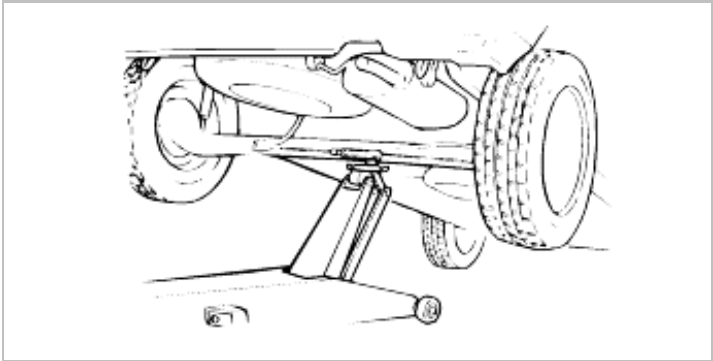
JACK POSITIONS

Front end jack position:



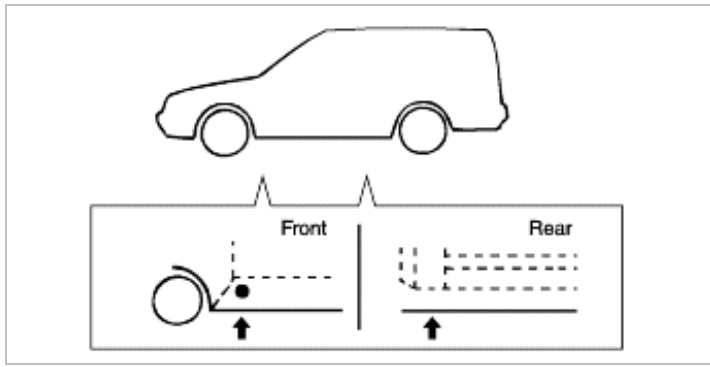
Rear end Jack position:

At the center of the rear axle.

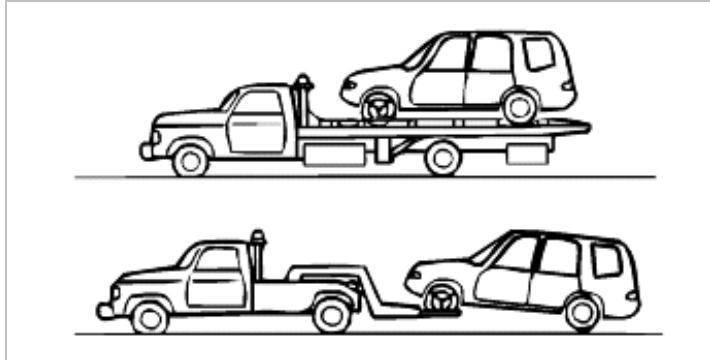


VEHICLE LIFT (2-SUPPORT TYPE) AND SAFETY STAND POSITIONS

Front end / Rear end



towing



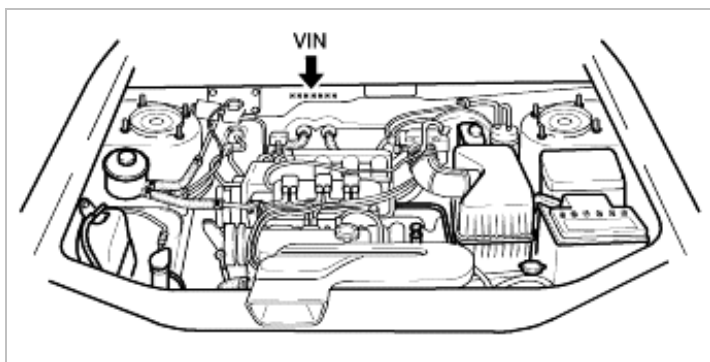
With either automatic or manual transmission:

1. Set the ignition switch in the ACC position.
2. Place the selector lever or shift lever in N (Neutral).
3. Release the parking brake.

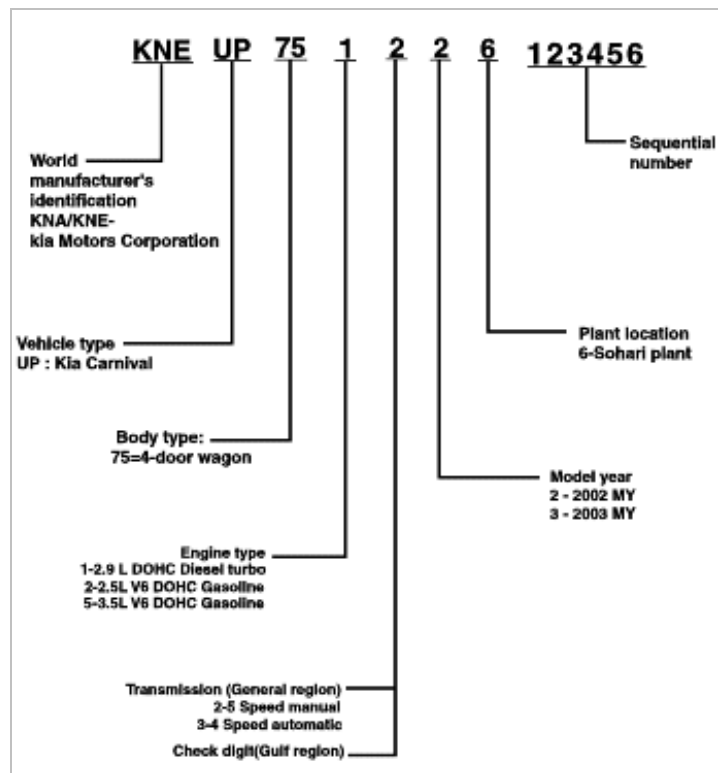
CAUTION

- 1) Do not tow vehicle backward with driving wheels on the ground. This may cause internal damage to transmission.
- 2) Do not use hook loops under the front and rear of the vehicle for towing purposes. These hook loops are designed ONLY for transport tie-down. If tie-down hook loops are used for towing, the front/rear bumper will be damaged.

VIN LOCATIONS

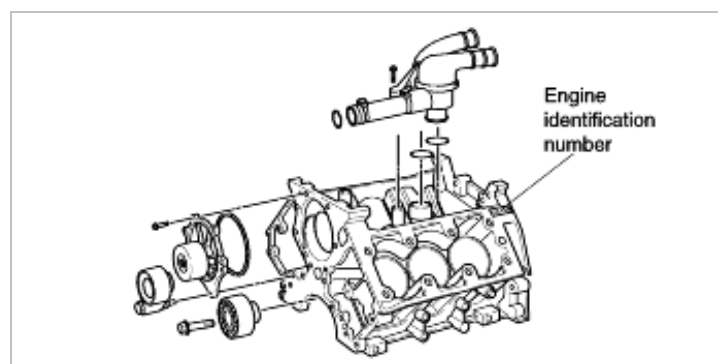


Vehicle identification number arrangement

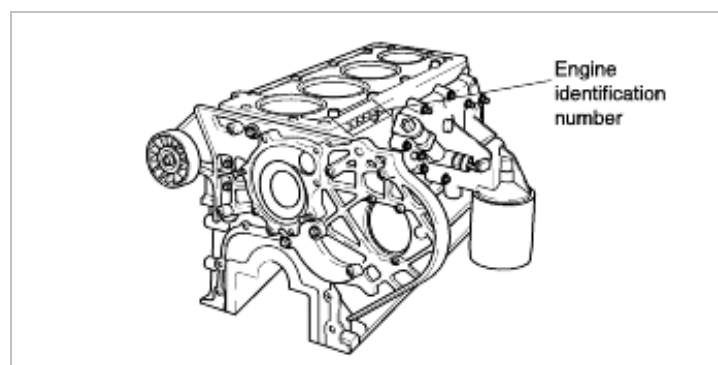


ENGINE NUMBER LOCATIONS

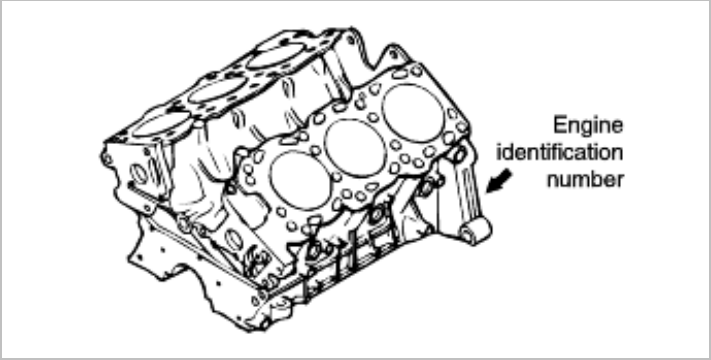
GV6 Gasoline



J3 Tci Diesel

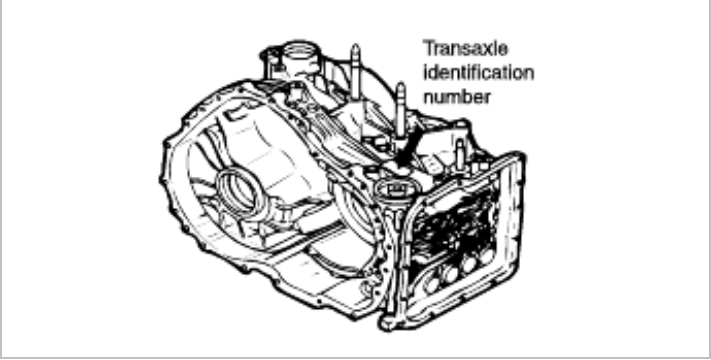


SIGMA 3.5



Transaxle number locations

F5A51-A and F4A51-2 (For Σ3.5 Eng. and GV6 2.5 Eng.)



50-42LE (For J3 TCI Eng.)

?

English/Metric conversion table

Multiply	by	to get equivalent number of:	Multiply	by	to get equivalent number of:
Length			Acceleration		
Inch (in)	25.4	millimeters (mm)	Foot/sec ²	0.3048	meter/sec ² (m/s ²)
Foot (ft)	0.3048	meters (m)	Inch/sec ²	0.0254	meter/sec ² (m/s ²)
Yard	0.9144	meters (m)	Torque		
Mile	1.609	Kilometers (km)	Inch-pound	0.11298	newton-meters (N·m)
			Foot-pound	1.3558	newton-meters (N·m)
Area			Power		
Inch ² (in ²)	645.2	millimeters ² (mm ²)	Horsepower (HP)	0.746	kilowatts (kw)
	6.45	centimeters ² (cm ²)	Pressure		
Foot (ft ²)	0.0929	meters ² (m ²)	Pounds/inch ² (psi)	6.895	kilopascals (kPa)
Yard	0.8361	meters ² (m ²)	Energy		
Volume			Foot-pound	1.3558	joules (J)
Inch ³ (in ³)	16387	mm ³	Kilowatt-hour	3 600 000	joules (J)
	16.387	cm ³	Fuel performance		
	0.0164	liters (l)	Miles/gal (mpg)	0.4251	kilometers/liter (km/l)
Quart (qt)	0.9464	liters (l)	Velocity		
Gallon	3.7854	liters (l)	Miles/hour (mph)	1.6093	kilometers/hour
Yard	0.7646	meters ³ (m ³)	Temperature		
Mass			To convert celsius temperature to fahrenheit temperature, use formula: F= 9/5 C + 32		
Pound (lb)	0.4536	kilograms (kg)	To convert fahrenheit temperature to celsius temperature, use formula: C= 5/9 (F-32)		
Ton	907.18	kilograms (kg)			
FORCE					
Kilogram	9.807	newtons (N)			
Ounce (oz)	0.2780	newtons (N)			
Pound (lb)	4.448	newtons (N)			

UNITS

ft-lb or in-lb (N·m)	Torque
rpm	Rotational speed
A	Amperes
V	Volts
Ω	Resistance
psi (kPa)	Pressure
inHg (mmHg)	Pressure (usually negative vacuum)
W	Watts

	(electrical power)
US qt (liters)	Volume
in (mm)	Length

ABBREVIATIONS

ABDC	After bottom dead center
ABS	Anti-lock braking system
A/C	Air conditioner
ACC	Accessories
A/T	Automatic transaxle
ATDC	After top dead center
ATF	Automatic transmission fluid
BBDC	Before bottom dead center
BTDC	Before top dead center
CMP	Camshaft position sensor
CKP	Crankshaft position sensor
DIS	Distributorless ignition system
DLC	Data link connector
DOHC	Dual overhead Camshaft
EBD	Electronic brake-force distribution
ECM	Engine control module
ECT	Engine coolant temperature
E/L	Electrical load
EX	Exhaust
GND	Ground
HLA	Hydraulic lash adjuster
HO ₂ S	Heated oxygen sensor
IAT	Intake air temperature
IGN	Ignition
IN	Intake
INT	Intermittent

IAC	-----	Idle air control
LH	-----	Left hand
M	-----	Motor
MAF	-----	Mass air flow
MIL	-----	Malfunction indicator light
M/S	-----	Manual steering
M/T	-----	Manual transaxle
OBD	-----	On-board diagnosis
OFF	-----	Switch off
ON	-----	Switch on
PCV	-----	Positive crankcase ventilation
P/S	-----	Power steering
PRC	-----	Pressure regulator control
P/W	-----	Power window
RH	-----	Right hand
SFI	-----	Sequential fuel injection system
SST	-----	Special service tool
SW	-----	Switch
TCM	-----	Transaxle control module
TCS	-----	Traction control unit
TDC	-----	Top dead center
TNS	-----	Tail number side
TPS	-----	Throttle position sensor
TWC	-----	Three way catalyst
WU-TWC	-----	Warm-up three-way catalyst

MAINTENANCE SCHEDULE(NORMAL)

MAINTENANCE INTERVALS			Number of months or driving distance, whichever comes first									
			Months		12	24	36	48	60	72	84	96
			x1000	Miles	10	20	30	40	50	60	70	80
MAINTENANCE ITEM		Km		15	30	45	60	75	90	105	120	
Drive belts ¹⁾				I		I		I		I		
Engine oil and Engine oil filter		Gasoline engine		R	R	R	R	R	R	R	R	
		Diesel engine	Europe	Replace every 10,000 km (6,000 Miles) or every 6 Months								
except europe	Replace at first 1,000 km : after that replace every 7,500 km (5,000 Miles) or every 6 Months											
Engine timing belt								R				
Air cleaner element				I	R	I	R	I	R	I	R	
Spark plugs		Gasoline engine	lead			R			R			
			unleaded						R			
Cooling system				I		I		I		I		
Engine coolant			Replace at first 60 months or 100,000 km: after that replace every 24 months or 40,000 km									
Fuel filter		Gasoline engine				R				R		
		Diesel engine		R		R		R		R		
Fuel lines and hoses				I		I		I		I		
E.G.R system (if equipped)		Diesel engine			I		I		I		I	
Idle speed				I		I		I		I		
Initial ignition timing		Gasoline engine			I		I		I		I	
Battery condition				I		I		I		I		
All electrical system				I	I	I	I	I	I	I	I	
Brake lines, hoses and connections				I	I	I	I	I	I	I	I	
Brake pedal				I		I		I		I		
Parking brake				A		A		A		A		
Clutch pedal (if equipped)				I		I		I		I		
Brake and clutch fluid (if equipped)				I		I		I		I		
Drum brake				I		I		I		I		
Disc brakes				I	I	I	I	I	I	I	I	
Power steering fluid				I	I	I	I	I	I	I	I	
Power steering system and hoses				I		I		I		I		
Tire (Pressure & Tread wear)				I	I	I	I	I	I	I	I	
Front suspension ball joints				I	I	I	I	I	I	I	I	
Bolt and nuts on chassis and body						T			T			
Air conditioner refrigerant (if equipped)				I	I	I	I	I	I	I	I	
Air conditioner compressor (if equipped)				I	I	I	I	I	I	I	I	
Air conditioner air filter (if equipped)				R	R	R	R	R	R	R	R	
Manual transaxle oil				I	I	I	I	I	I	I	I	
Auto transaxle fluid		Gasoline engine	For Europe	I	I	I	I	I	I	I	I	
			Except Europe	I	I	I	I	I	I	I	I	
		Diesel engine		Replace every 40,000 km (25,000 Miles)								
I : Inspect and if necessary, correct, clean or replace. A : Adjust R : Replace or change T : Tighten 1) Adjust alternator and power steering (and water pump drive belt) and airconditioner drive belt (if equipped). Inspect and if necessary correct or replace.												

MAINTENANCE SCHEDULE(SEVERE)

The following items must be serviced more frequently on cars normally used under severe driving conditions. Refer to the chart below for the appropriate maintenance intervals.

Maintenance Item			Maintenance operation	Maintenance intervals	Driving condition
Engine oil and filter	Gasoline engine		R	Every 7,500 km(5,000 Miles)	A, B, C, F, H
	Diesel engine	For Europe	R	Every 7,500 km(5,000 Miles)	A, B, C, F, H
		Except Europe	R	Every 5,000 km(3,000 Miles)	A, B, C, F, H
Air cleaner element			R	More frequently	C, H
Spark plug		Gasoline engine	R	More frequently	B, H
Engine timing belt			R	Every 60,000 km(40,000 Miles) or 48 MON	D, E, F, G
Automatic transaxle fluid		Gasoline engine	R	Every 45,000 km(30,000 Miles)	C, D, E, G, H, I, J
		Diesel engine	R	Every 20,000 km(13,000 Miles)	C, D, E, G, H, I, J
Manual transaxle oil			R	Every 10,000 km(60,000 Miles)	C, D, E, G, H, I, J
Brake pads, calipers and rotors			I	More frequently	C, D, G, H
Rear brake drums/Linings, Paking brake			I	More frequently	C, D, G, H

R : Replace I : Inspection and, after inspection, clean, adjust, repair or replace if necessary

Severe Driving Conditions

A : Repeated short distance driving

B : Extensive idling

C : Driving in dusty, rough roads

D : Driving in areas using salt or other corrosive materials
or in very cold weather

E : Driving in sandy areas

F : More than 50% driving in heavy city traffic during
hot weather above 32°C (90°F)

G : Driving in mountainous areas

H : Towing a trailer

I : Driving for patrol car, taxi, commercial car or vehicle towing.

J : Driving over 170 km/h (106 mile/h)