

PREPARATION

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ENGINE HOOD/DOOR

Tools

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INTERIOR

Tool

03-56

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EXTERIOR AND WING

Tool

03-55

03-55

SUNROOF

Tool

03-57

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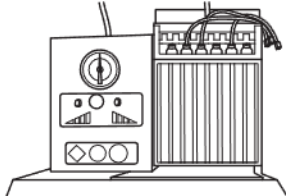
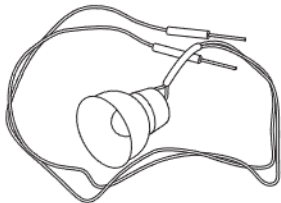
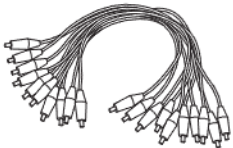
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PREPARATION

SQRE4T15B ENGINE MANAGEMENT SYSTEM

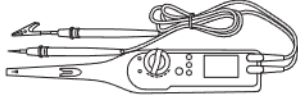
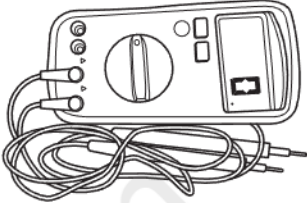
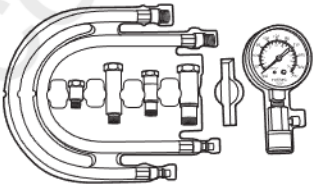
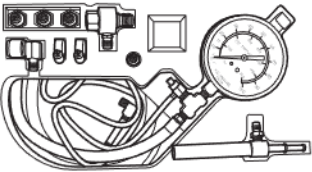
Tools

General Tools

Fuel Injector Cleaning Analyzer	 062
X-431 PAD Diagnostic Tester	 001
21 W Test Lamp	 087
LED Test Light	 960
Jumper Wire	 088

03

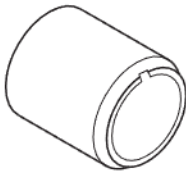
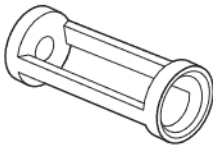
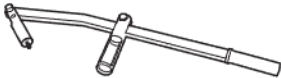
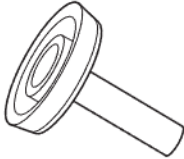


Diode Test Light	 970
Digital Multimeter	 002
Cylinder Pressure Gauge	 044
Fuel Pressure Gauge	 048
Oscilloscope	 061

SQRE4T15B ENGINE MECHANICAL

Tools

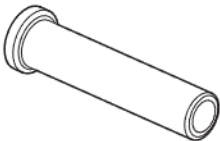
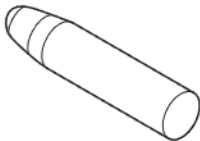
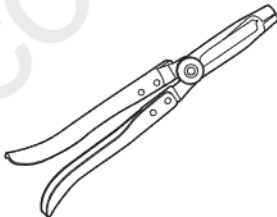
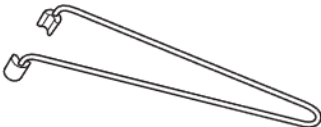
Special Tools

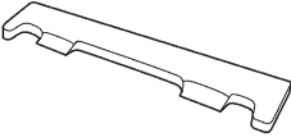
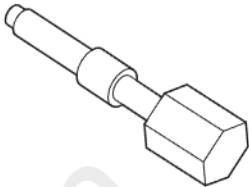
Crankshaft Front Oil Seal Guide Tool	Part No.: CH-20007	 049
Crankshaft Front Oil Seal Installer	Part No.: CH-20008	 067
Valve Spring Compression Adapter	Part No.: CH-20018-B	 050
Valve Spring Compressor	Part No.: CH-20017-A	 028
Crankshaft Rear Oil Seal Installer	Part No.: CH-20006	 031

03



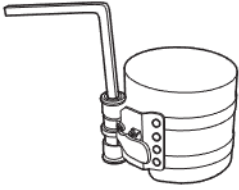
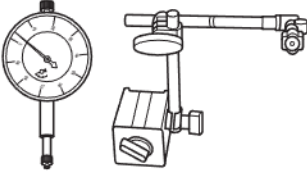
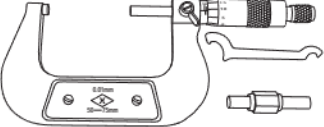
03-PREPARATION

Valve Oil Seal Installer	CH-20011-A	 034
Valve Oil Seal Guide Sleeve	Part No.: CH-20012	 035
Valve Oil Seal Remover	Part No.: CH-20013-A	 037
Valve Cotter Installer	Part No.: CH-20017-A	 029
Crankshaft Rear Oil Seal Installer	Part No.: CH-20005-A	 070

Camshaft Timing Tool	Part No.: CH-20010	 033
Crankshaft Timing Tool	Part No.: CH-20089	 027

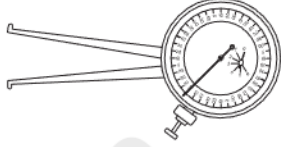
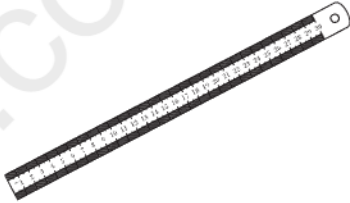
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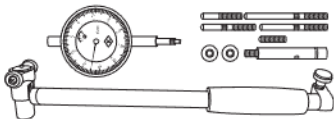
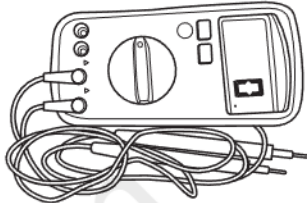
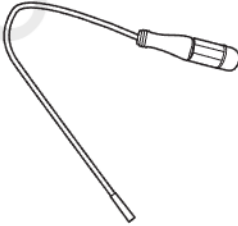
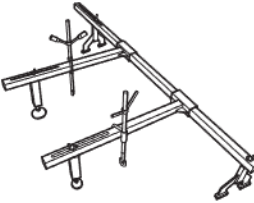
General Tools

Piston Installer	-	 039
Dial Indicator and Magnetic Holder	-	 023
Outer Diameter Micrometer	-	 064

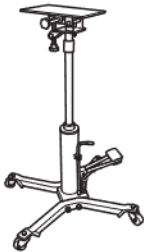
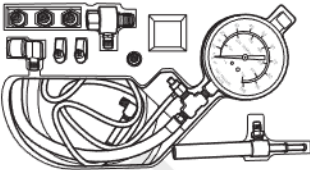
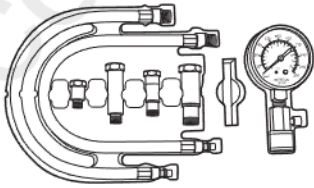
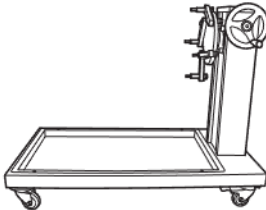
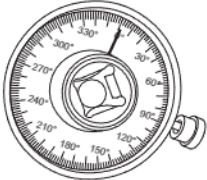


03—PREPARATION

Vernier Caliper	-	 019
Inner Diameter Micrometer	-	 069
Precision Straightedge	-	 063
Feeler Gauge	-	 060
Piston Ring Remover	Part No.: CH-20080	 066

Cylinder Gauge	-	 065
Digital Multimeter	-	 002
Flexional Magnetic Rod	Part No.: CH-20053	 042
Engine Hoist	-	 043
Engine Equalizer	Part No.: CH-30040	 026

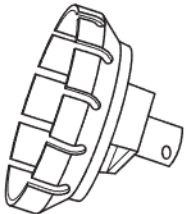
03—PREPARATION

03	Transmission Carrier	-	 005
	Fuel System Pressure Tester	-	 048
	Cylinder Pressure Gauge	-	 044
	Engine Service Platform	-	 057
	Angle Gauge	-	 091

SQRE4T15B FUEL SUPPLY SYSTEM

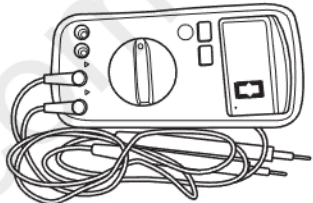
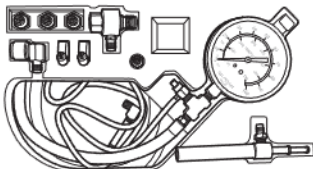
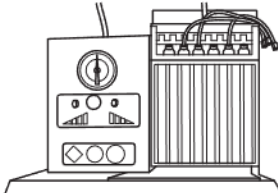
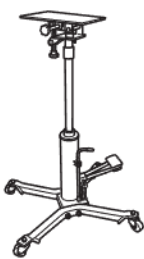
Tools

Special Tool

Fuel Pump Pressure Cap Remover	Part No.: CH-20032	 004
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03

General Tools

Digital Multimeter	 002
Fuel System Pressure Tester	 048
Injector Tester	 062
Transmission Carrier	 005



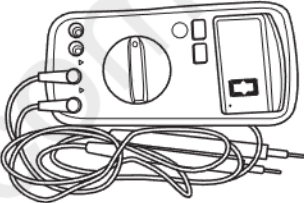
SQRE4T15B EMISSION CONTROL SYSTEM

Tools

Special Tool

Digital Multimeter	 001
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General Tool

Digital Multimeter	 002
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SQRE4T15B INTAKE SYSTEM

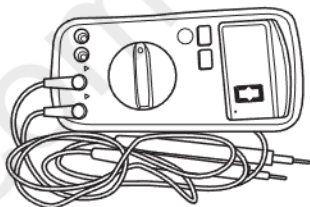
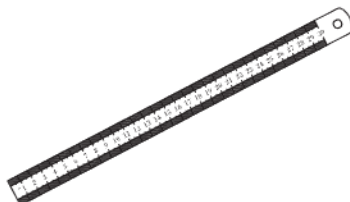
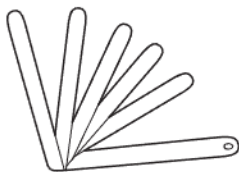
Tools

Special Tool

Diagnostic Tester	 001
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03

General Tools

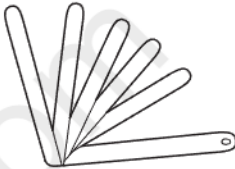
Digital Multimeter	 002
Precision Straightedge	 063
Feeler Gauge	 060



SQRE4T15B EXHAUST SYSTEM

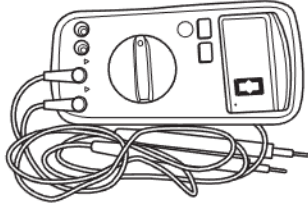
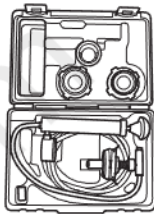
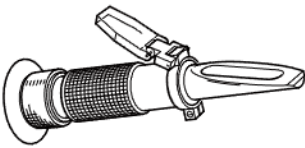
Tools

General Tools

Precision Straightedge	 063
Feeler Gauge	 060

SQRE4T15B COOLING SYSTEM**Tools**

General Tools

Digital Multimeter	 002
Cooling System Pressure Tester	 055
Freezing Point Tester	 007

03



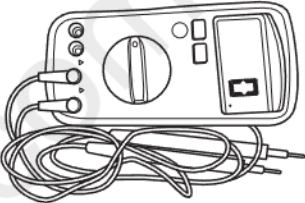
SQRE4T15B LUBRICATION SYSTEM

Tools

Special Tool

03 X-431 PAD Diagnostic Tester	 001
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General Tool

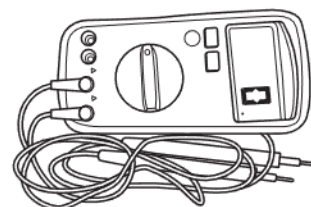
Digital Multimeter	 002
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SQRE4T15B IGNITION SYSTEM

Tool

General Tool

Digital Multimeter



002

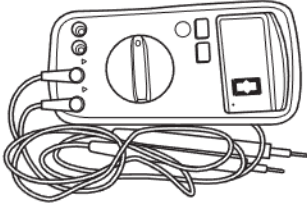
03



SQRE4T15B STARTING SYSTEM

Tool

General Tool

03 Digital Multimeter	 002
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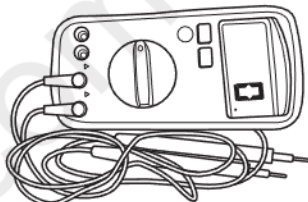
SQRE4T15B CHARGING SYSTEM

Tools

Special Tool

Battery Tester	 090
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General Tool

Digital Multimeter	 002
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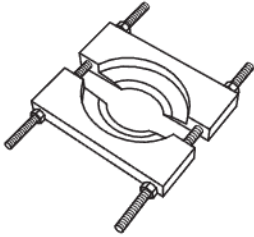
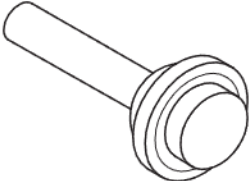
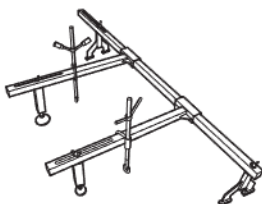
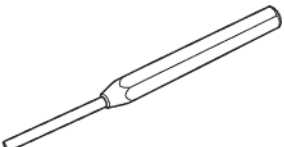


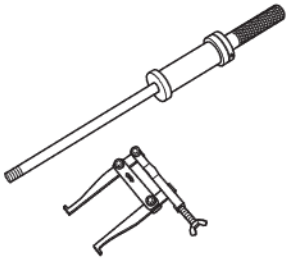
621 MHB

Tools

Special Tools

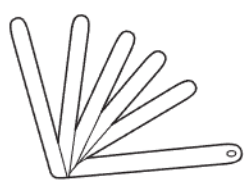
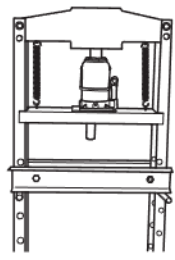
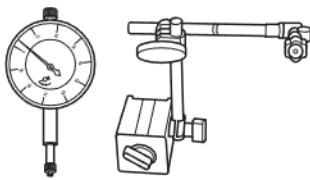
03

Bearing Remover	CH-30057	 011
Input Shaft Oil Seal Installer	CH-30041	 008
Differential Oil Seal Installer	CH-30002	 009
Engine Equalizer	CH-2005	 026
Punch	CH-30040	 073

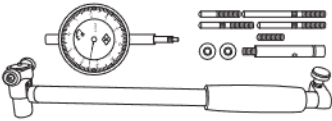
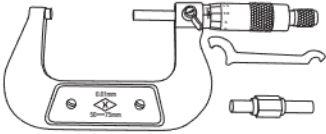
Puller and Puller Adapter	CH-30042 CH-30043	 059
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General Tools

03

Transmission Carrier	 005
Feeler Gauge	 060
Hydraulic Press	 012
Dial Indicator	 023

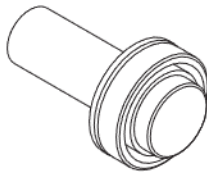
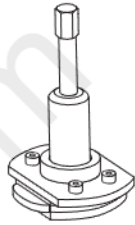
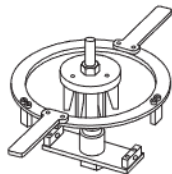
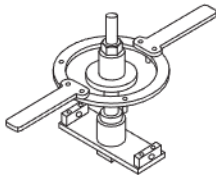
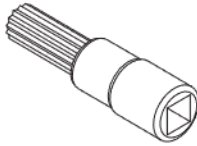


Cylinder Gauge	 065
Micrometer	 064

625DCT TRANSMISSION

Tools

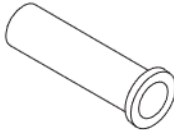
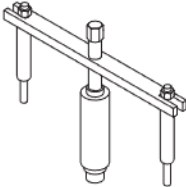
Special Tools

Differential Oil Seal Installer	DAST-0103	 082
Dual-clutch Remover	Part number: DAST-0104	 075
Clutch 2 Reset Tool	Part number: DAST-0105	 135
Clutch 1 Reset Tool		 136
Dual-clutch Lock Actuator	DAST-0107	 078

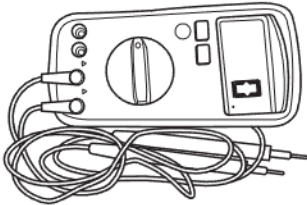
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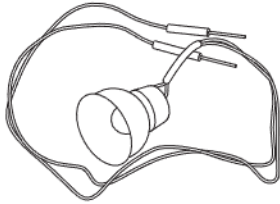


03-PREPARATION

Inner Input Shaft Oil Seal Installer	Part number: DAST-0110	 081
Outer Input Shaft Oil Seal Installer	Part number: DAST-0109	 080
Shift Shaft Oil Seal Installer	Part number: DAST-0108	 079
Dual-clutch Installer	DAST-0106	 077

General Tools

Digital Multimeter	 002
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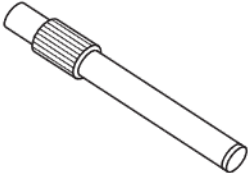
21 W Test Lamp	 087
Diagnostic Tester	 001



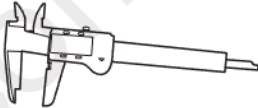
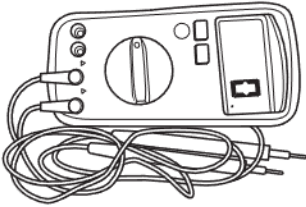
CLUTCH

Tools

Special Tool

03	Clutch Pressure Plate Alignment Tool	CH-20014-A	 018
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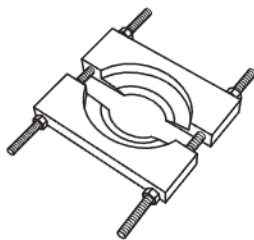
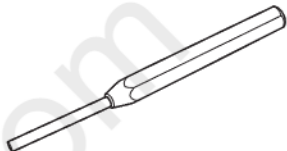
General Tools

Vernier Caliper	 071
Digital Multimeter	 002

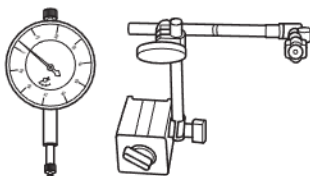
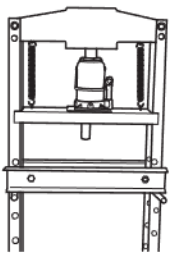
DIFFERENTIAL

Tools

Special Tools

Bearing Remover	CH-30057	 011
Punch	CH-30040	 073

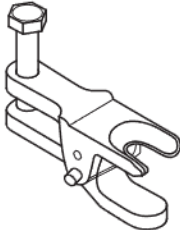
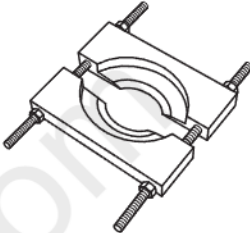
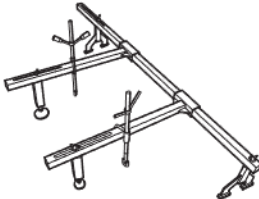
General Tools

Dial Indicator and Magnetic Holder	 023
Hydraulic Press	 012

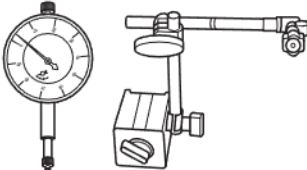
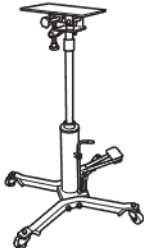
AXLE

Tools

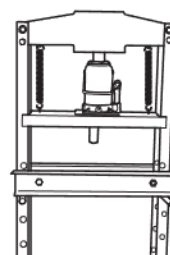
Special Tools

03 Tie Rod Ball Pin Remover	 024
Bearing Remover Special Tool	 011
Engine Equalizer	 026

General Tools

Dial Indicator and Magnetic Holder	 023
Transmission Carrier	 005

Hydraulic Press



012

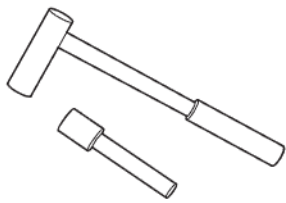
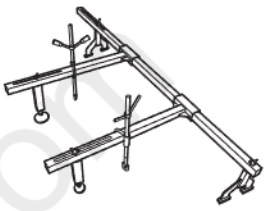
cardiagn.com



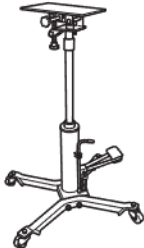
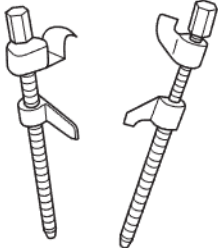
SUSPENSION

Tools

Special Tools

Shock Absorber Nut Remover	 022
Engine Equalizer	 026

General Tools

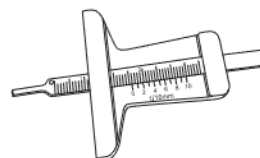
Transmission Carrier	 005
Spring Compressor	 021

TIRE AND WHEEL

Tool

General Tool

Tire Depth Gauge



094

03



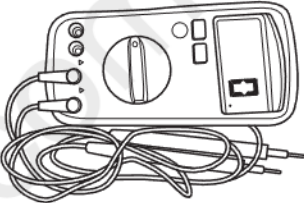
BRAKE CONTROL SYSTEM

Tools

Special Tool

Diagnostic Tester	 001
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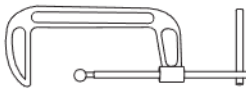
General Tool

Digital Multimeter	 002
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BRAKE

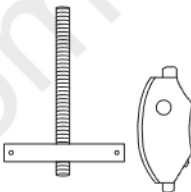
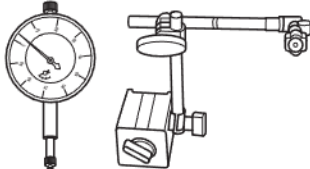
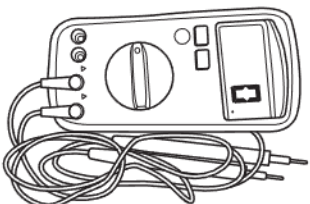
Tools

Special Tool

G-pliers	 093
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03

General Tools

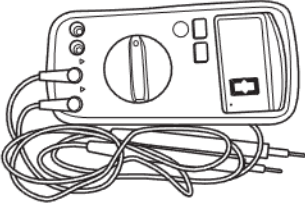
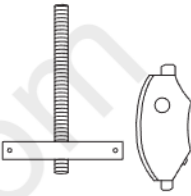
Rear Brake Cylinder Release Tool	 116
Dial Indicator and Magnetic Holder	 023
Vernier Caliper	 019
Digital Multimeter	 002



ELECTRONIC PARKING BRAKE SYSTEM

Tools

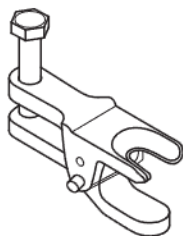
General Tools

03	Digital Multimeter	-	 002
	Rear Brake Cylinder Release Tool	Part Number: CH30003; or use used brake plate	 116

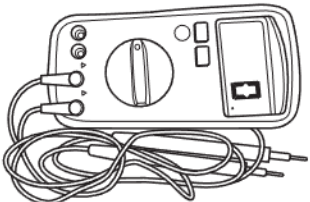
ELECTRONIC POWER STEERING

Tools

Special Tools

Ball Pin Separator	 024
Diagnostic Tester	 001

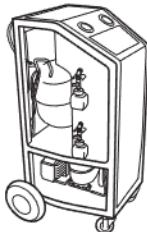
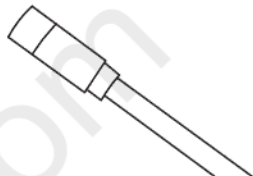
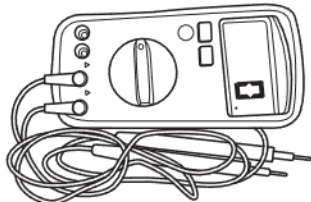
General Tool

Digital Multimeter	 002
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Tools

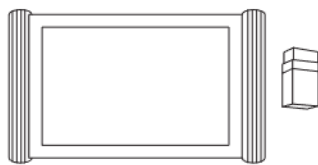
General Tools

Gas Leak Detector	 046
Refrigerant Recovery / recycling machine	 092
Digital Multimeter	 002

SUPPLEMENTAL RESTRAINT SYSTEM

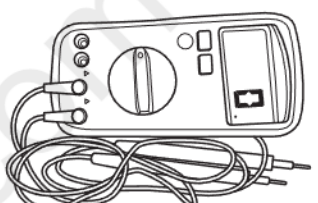
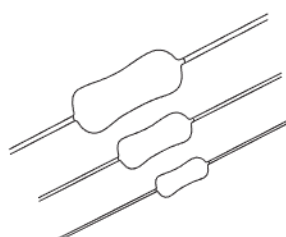
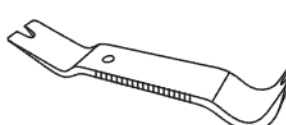
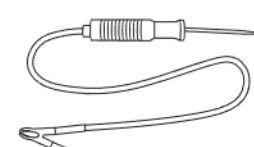
Tools

Special Tool

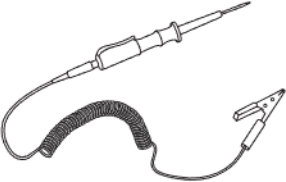
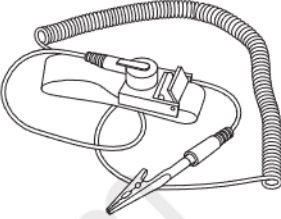
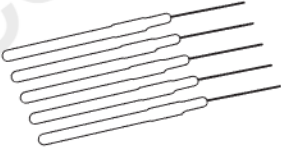
Diagnostic Tester	 001
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03

General Tools

Digital Multimeter	 002
Resistance: 2 Ω	 100
Interior & Exterior Dismantling Device	 025
Bulb Test Light	 101



Diode Test Light	 102
Static-proof Wrist Strap	 104
Wire Harness Terminal Service Tool	 105

CAN COMMUNICATION

Tools

Special Tool

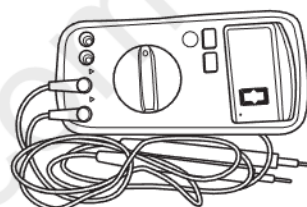
X-431 PAD Diagnostic Tester



001

General Tool

Digital Multimeter



002

03



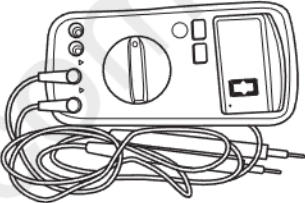
PEPS SYSTEM

Tools

Special Tool

X-431 PAD Diagnostic Tester	 001
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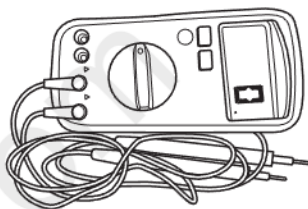
General Tool

Digital Multimeter	 002
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CONSTANT SPEED CRUISE SYSTEM

Tools

General Tools

Diagnostic Tester	 001
Digital Multimeter	 002

03



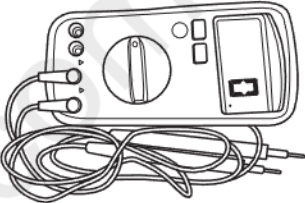
LIGHTING SYSTEM

Tools

Special Tool

Diagnostic Tester	 001
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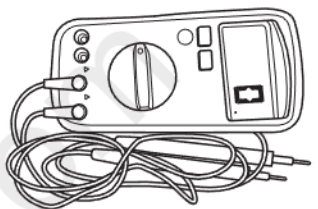
General Tool

Digital Multimeter	 002
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WIPER AND WASHER

Tools

General Tools

X-431 PAD Diagnostic Tester	 001
Digital Multimeter	 002

03



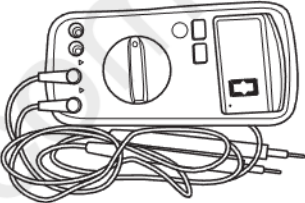
DOOR LOCK

Tools

Special Tool

Diagnostic Tester	 001
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General Tool

Digital Multimeter	 002
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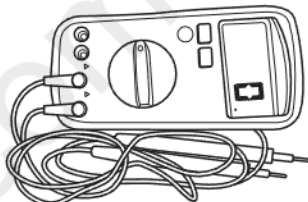
INSTRUMENT CLUSTER CONTROL SYSTEM

Tools

Special Tool

Diagnostic Tester	 001
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General Tool

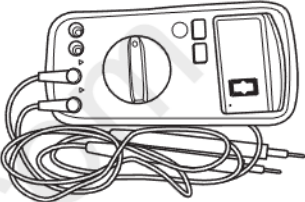
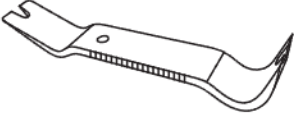
Digital Multimeter	 002
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AUDIO AND ENTERTAINMENT SYSTEM

Tools

General Tools

03Diagnostic Tester	 001
Digital Multimeter	 002
Interior Crow Plate	 025

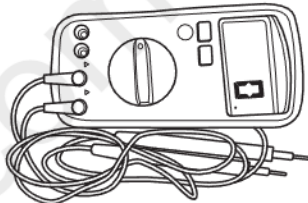
PARKING RADAR SYSTEM

Tools

Special Tool

Diagnostic Tester	 001
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General Tool

Digital Multimeter	 002
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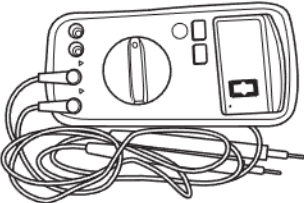
TIRE PRESSURE MONITORING SYSTEM

Tools

Special Tools

Diagnostic Tester	 001
Low Frequency Trigger	 098

General Tool

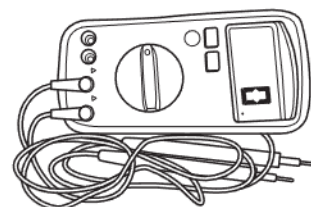
Digital Multimeter	 002
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HORN

Tool

General Tool

Digital Multimeter



002

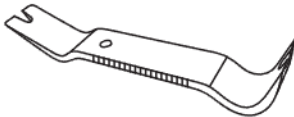
03



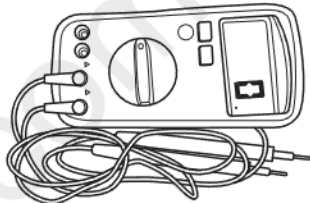
WINDSHIELD/WINDOW GLASS

Tools

Special Tool

Interior Crow Plate	 025
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General Tool

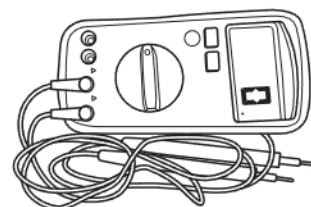
Digital Multimeter	 002
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REAR VIEW MIRROR

Tool

General Tool

Digital Multimeter



002

03



INSTRUMENT PANEL

Tools

Special Tool

Steering Wheel Remover	CH-30003-A	 001
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General Tool

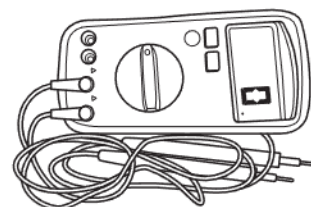
Interior Crow Plate	 025
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SEAT

Tool

General Tool

Digital Multimeter



002

03



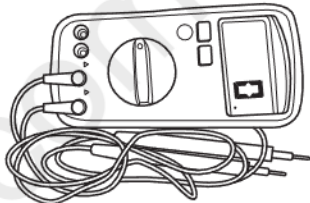
ENGINE HOOD/DOOR

Tools

Special Tool

03 X-431 PAD Diagnostic Tester	 001
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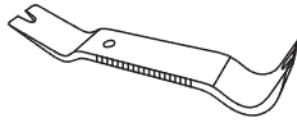
General Tool

Digital Multimeter	 002
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EXTERIOR AND WING

Tool

Special Tool

Interior Crow Plate	CH-10008	 025
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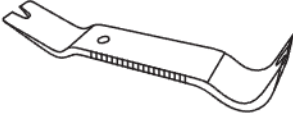
03



INTERIOR

Tool

Special Tool

Interior Crow Plate	CH-10008	 037
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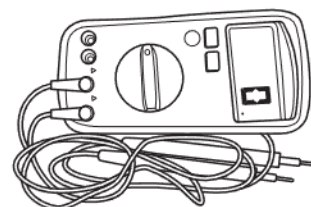
03

SUNROOF

Tool

General Tool

Digital Multimeter



002

03



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