

Workshop Manual - Brakes

2012 - Mazda6

On-Board Diagnostics

- DYNAMIC STABILITY CONTROL SYSTEM WIRING DIAGRAM [DYNAMIC STABILITY CONTROL (DSC)]
- ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C0001:01/ C0003:01/ C0010:01/ C0011:01/ C0014:01/ C0015:01/ C0018:01/ C0019:01/ C001C:01/ C001D:01 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C0020:01/ C0020:11/ C0020:13/ C0020:16/ C0020:1C/ C0020:71 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C0031:01/ C0031:13/ C0034:01/ C0034:13/ C0037:01/ C0037:13/ C003A:01/ C003A:13 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C0031:23/ C0031:27/ C0031:62/ C0034:23/ C0034:27/ C0034:62/ C0037:23/ C0037:27/ C0037:62/ C003A:23/ C003A:27/ C003A:62 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C0040:13/ C0040:64 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C0044:14/ C0044:1C/ C0044:65/ C0044:66/ C0044:67 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C0051:54 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C0061:28/ C0061:62/ C0062:27/ C0062:28/ C0062:29/ C0062:62/ C0062:65/ C0063:27/ C0063:28/ C0063:61/ C0063:62/ C006A:61/ C1A97:27/ C1A97:28/ C1A97:29/ C1A98:27/ C1A98:28/ C1A98:29 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C0089:11 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C1137:64 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC C1A77:12/ C1A77:13/ C1A77:16 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC U0028:87 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC U0401:00/ U0401:68 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC U0402:00 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC U0422:00/ U0422:28/ U0422:64/ U0422:86 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC U0423:29/ U0423:7B [DYNAMIC STABILITY CONTROL (DSC)]
- DTC U2100:00 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC U3000:4A [DYNAMIC STABILITY CONTROL (DSC)]
- DTC U3000:96 [DYNAMIC STABILITY CONTROL (DSC)]
- DTC U3003:16/ U3003:17/ U3003:1C [DYNAMIC STABILITY CONTROL (DSC)]

Symptom Troubleshooting

- SYSTEM WIRING DIAGRAM [DYNAMIC STABILITY CONTROL (DSC)]
- FOREWORD [DYNAMIC STABILITY CONTROL (DSC)]
- PRECAUTION [DYNAMIC STABILITY CONTROL (DSC)]
- SYMPTOM TROUBLESHOOTING [DYNAMIC STABILITY CONTROL (DSC)]
- NO.1 ANY OF THE FOLLOWING LIGHTS DO NOT ILLUMINATE WITH SWITCH THE IGNITION TO ON: (ABS WARNING LIGHT, BRAKE SYSTEM WARNING LIGHT, DSC INDICATOR LIGHT AND/ OR DSC OFF LIGHT) [DYNAMIC STABILITY CONTROL (DSC)]
- NO.2 ANY OF THE FOLLOWING LIGHTS STAY ON: (ABS WARNING LIGHT, BRAKE SYSTEM WARNING LIGHT, DSC INDICATOR LIGHT AND/ OR DSC OFF LIGHT) [DYNAMIC STABILITY CONTROL (DSC)]
- NO.3 THERE IS A MALFUNCTION IN THE SYSTEM EVEN THOUGH ABS WARNING LIGHT, BRAKE SYSTEM WARNING LIGHT, DSC INDICATOR LIGHT AND DSC OFF LIGHT DO NOT ILLUMINATE [DYNAMIC STABILITY CONTROL (DSC)]
- NO.4 ABS OR TCS* 1 OPERATES FREQUENTLY/ TCS DOES NOT WORK CORRECTLY * 1: DSC SYSTEM FUNCTION CONTAINS TRACTION CONTROL FUNCTION, DSC INDICATOR LIGHT GOES ON AND OFF WHILE DSC OPERATES [DYNAMIC STABILITY CONTROL (DSC)]
- NO.5 DSC* 2 OPERATES FREQUENTLY/ DSC DOES NOT WORK CORRECTLY * 2: DSC INDICATOR LIGHT GOES ON AND OFF WHILE DSC OPERATES [DYNAMIC STABILITY CONTROL (DSC)]
- NO.6 DSC INDICATOR LIGHT FLASHES (WHEN NEITHER THE TCS NOR THE DSC ARE OPERATING) [DYNAMIC STABILITY CONTROL (DSC)]

General Procedures

- GENERAL PROCEDURES (BRAKE)

Conventional Brake System

- CONVENTIONAL BRAKE SYSTEM LOCATION INDEX
- BRAKE FLUID INSPECTION
- BRAKE FLUID AIR BLEEDING
- VACUUM LINE INSPECTION
- VACUUM HOSE REMOVAL/ INSTALLATION
- BRAKE PEDAL INSPECTION
- BRAKE PEDAL REMOVAL/ INSTALLATION
- BRAKE SWITCH INSPECTION
- MASTER CYLINDER REMOVAL/ INSTALLATION
- BRAKE FLUID LEVEL SENSOR INSPECTION
- POWER BRAKE UNIT INSPECTION
- POWER BRAKE UNIT REMOVAL/ INSTALLATION
- FRONT BRAKE (DISC) INSPECTION
- FRONT BRAKE (DISC) REMOVAL/ INSTALLATION
- DISC PAD (FRONT) REPLACEMENT
- CALIPER (FRONT) DISASSEMBLY/ ASSEMBLY
- BRAKE HOSE (FRONT) REMOVAL/ INSTALLATION
- REAR BRAKE (DISC) INSPECTION
- REAR BRAKE (DISC) REMOVAL/ INSTALLATION
- DISC PAD (REAR) REPLACEMENT
- CALIPER (REAR) DISASSEMBLY/ ASSEMBLY
- BRAKE HOSE (REAR) REMOVAL/ INSTALLATION

Parking Brake System

- PARKING BRAKE SYSTEM LOCATION INDEX
- PARKING BRAKE SYSTEM LOCATION INDEX [General [L.H.D.] specs.]
- PARKING BRAKE LEVER INSPECTION
- PARKING BRAKE LEVER ADJUSTMENT
- PARKING BRAKE LEVER REMOVAL/ INSTALLATION
- PARKING BRAKE LEVER REMOVAL/ INSTALLATION [General [L.H.D.] specs.]
- FRONT PARKING BRAKE CABLE REMOVAL/ INSTALLATION
- FRONT PARKING BRAKE CABLE REMOVAL/ INSTALLATION [General [L.H.D.] specs.]
- REAR PARKING BRAKE CABLE REMOVAL/ INSTALLATION
- REAR PARKING BRAKE CABLE REMOVAL/ INSTALLATION [General [L.H.D.] specs.]
- PARKING BRAKE SWITCH INSPECTION

Dynamic Stability Control

- DSC LOCATION INDEX
- DSC SYSTEM WIRING DIAGRAM
- DSC HU/ CM REMOVAL/ INSTALLATION
- DSC CONFIGURATION
- DSC HU/ CM INSPECTION
- FRONT ABS WHEEL-SPEED SENSOR REMOVAL/ INSTALLATION
- FRONT ABS WHEEL-SPEED SENSOR INSPECTION
- REAR ABS WHEEL-SPEED SENSOR REMOVAL/ INSTALLATION
- REAR ABS WHEEL-SPEED SENSOR INSPECTION
- BRAKE FLUID PRESSURE SENSOR INSPECTION
- DSC OFF SWITCH REMOVAL/ INSTALLATION
- DSC OFF SWITCH INSPECTION

Technical Data

- BRAKES TECHNICAL DATA

Maintenance/ Service Tools

- BRAKES SST