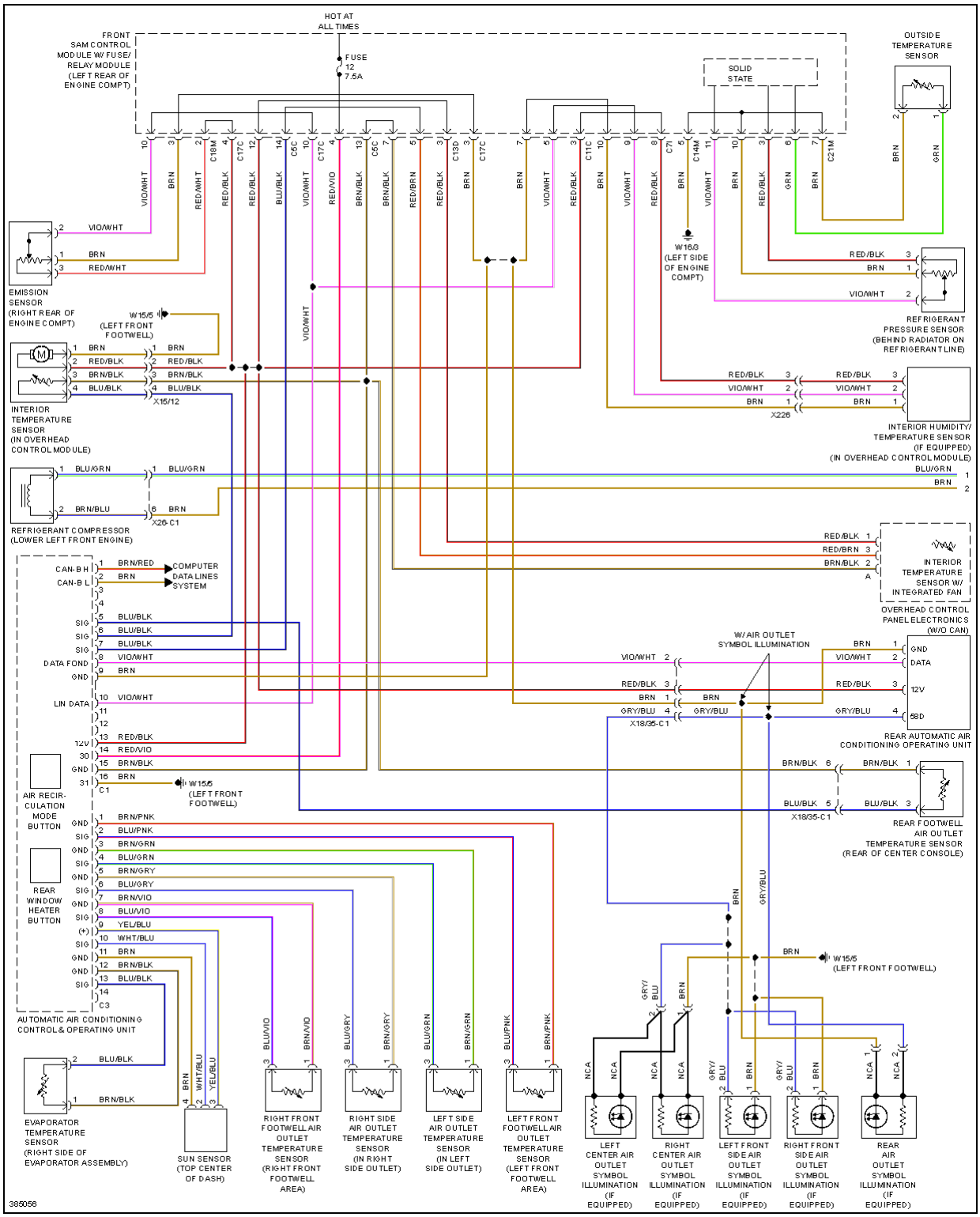
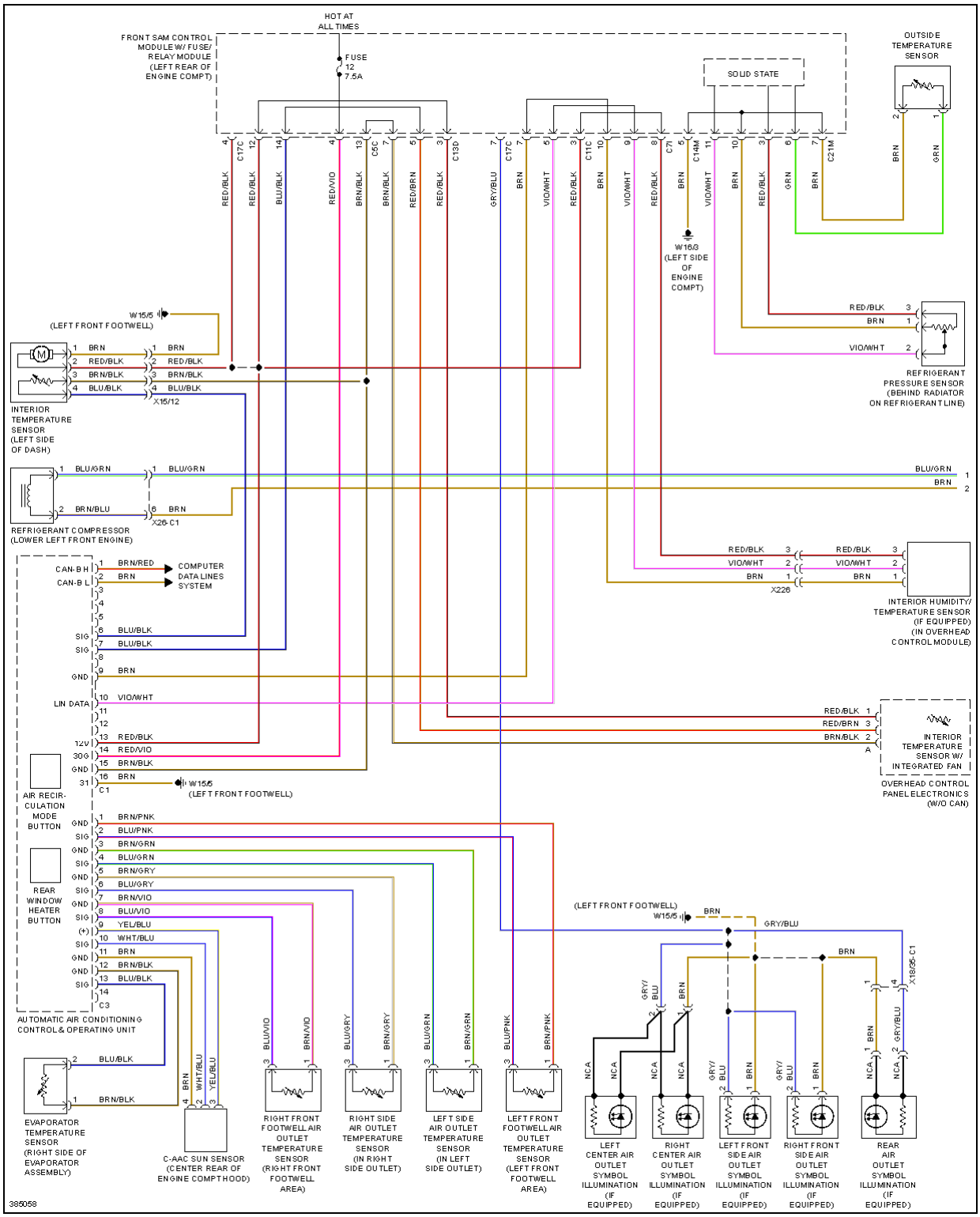
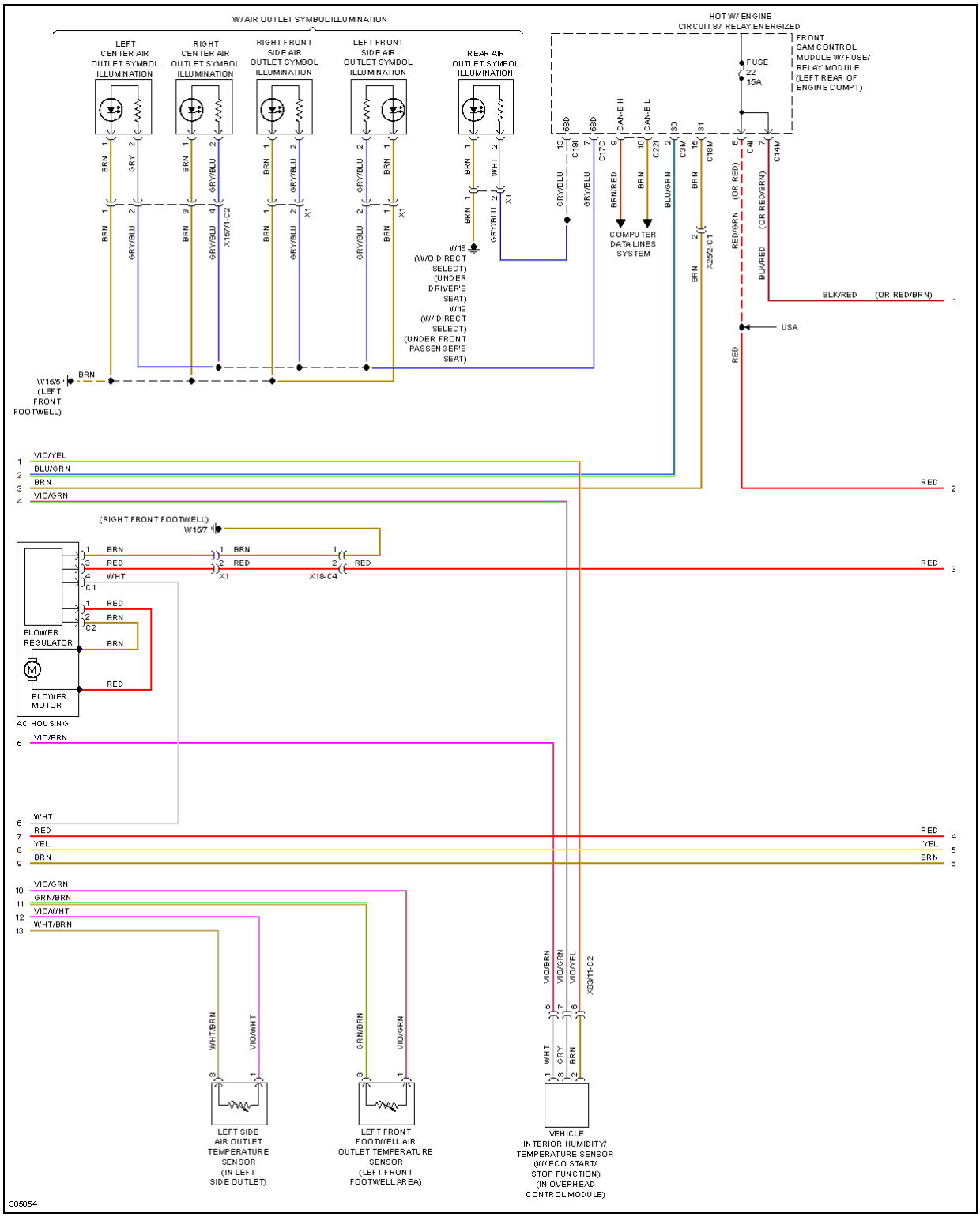
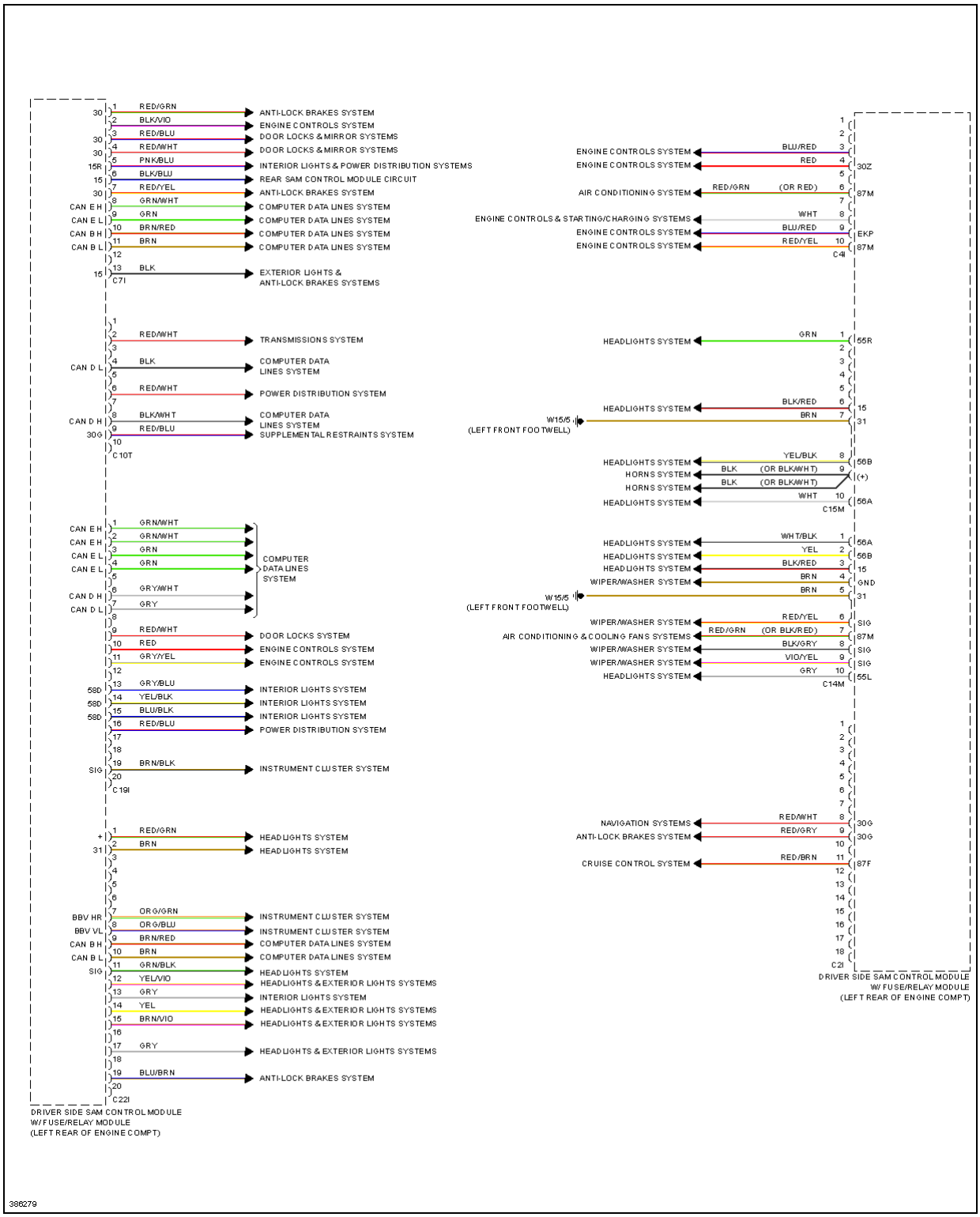
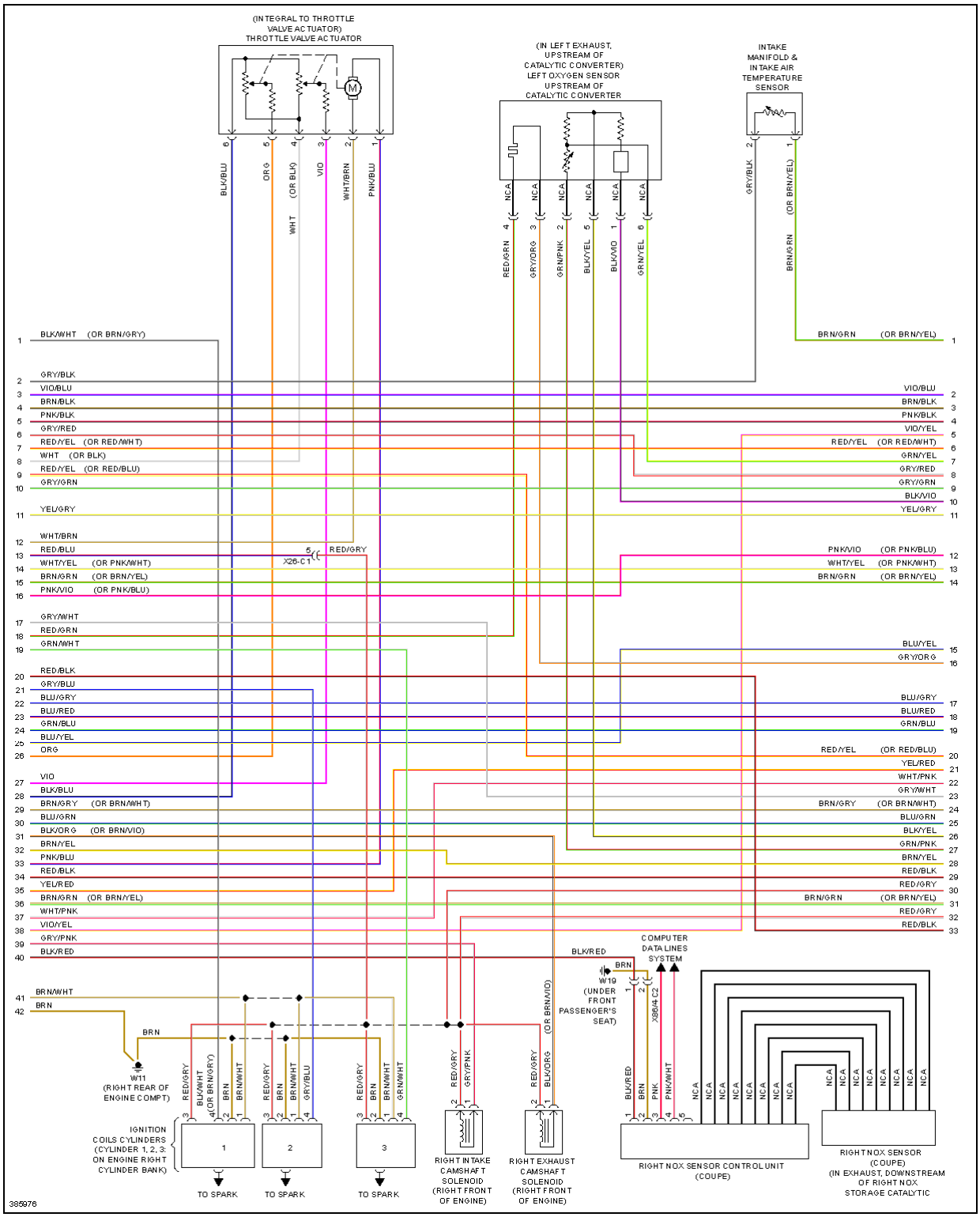
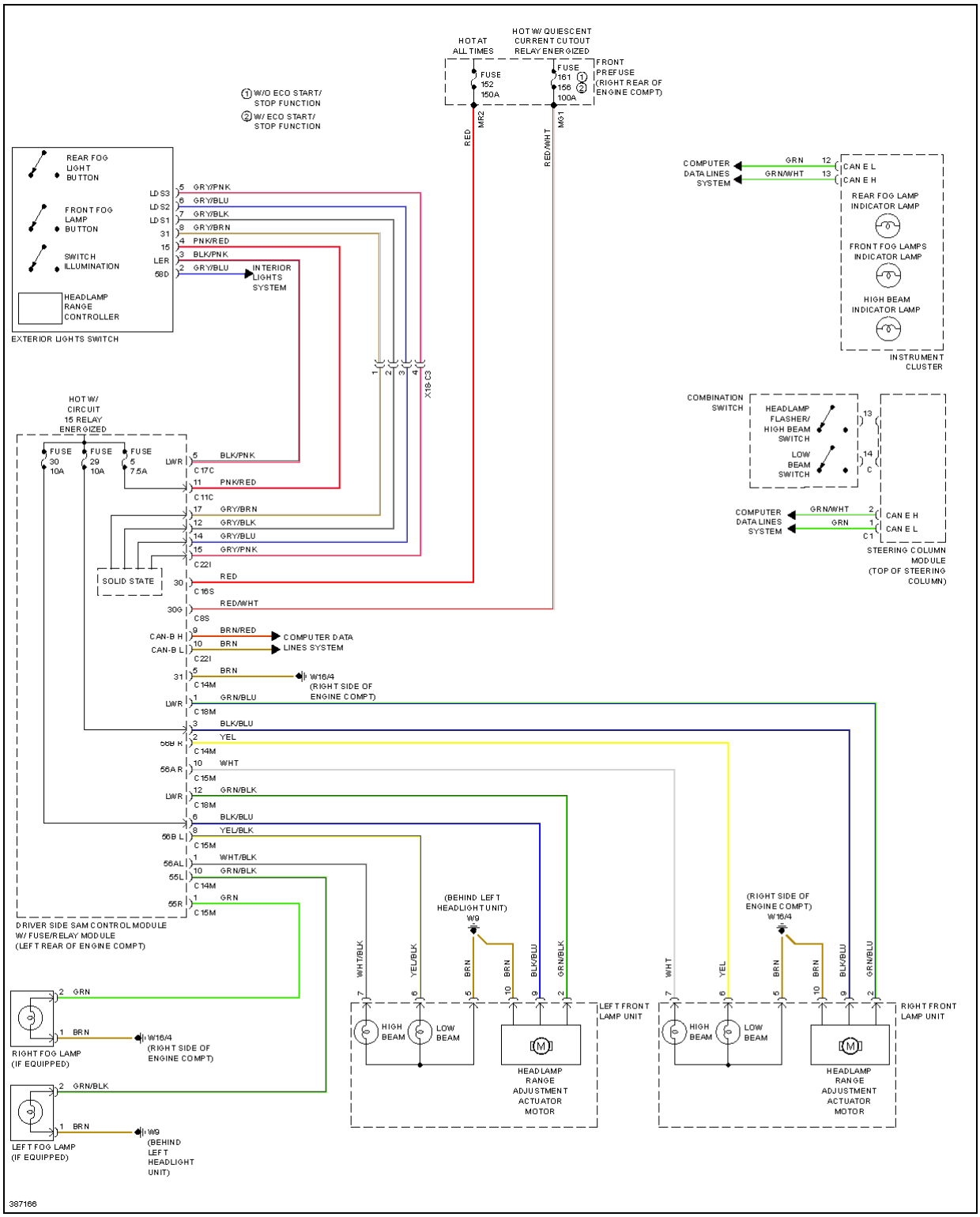

HOT AT ALL TIMES
FUSE 12 7.5A
FRONT SAM CONTROL MODULE W/ FUSE/ RELAY MODULE (LEFT REAR OF ENGINE COMPT)
SOLID STATE
OUTSIDE TEMPERATURE SENSOR
EMISSION SENSOR (RIGHT REAR OF ENGINE COMPT)
W16/3 (LEFT SIDE OF ENGINE COMPT)
REFRIGERANT PRESSURE SENSOR (BEHIND RADIATOR ON REFRIGERANT LINE)
W15/5 (LEFT FRONT FOOTWELL)
INTERIOR TEMPERATURE SENSOR (IN OVERHEAD CONTROL MODULE)
X15/12
X226
INTERIOR HUMIDITY/ TEMPERATURE SENSOR (IF EQUIPPED) (IN OVERHEAD CONTROL MODULE)
REFRIGERANT COMPRESSOR (LOWER LEFT FRONT ENGINE)
X26-C1
INTERIOR TEMPERATURE SENSOR W/ INTEGRATED FAN
OVERHEAD CONTROL PANEL ELECTRONICS (W/O CAN)
CAN-B H
CAN-B L
COMPUTER DATA LINES SYSTEM
W/ AIR OUTLET SYMBOL ILLUMINATION
REAR AUTOMATIC AIR CONDITIONING OPERATING UNIT
X18/35-C1
AIR RECIR-CULATION MODE BUTTON
REAR WINDOW HEATER BUTTON
REAR FOOTWELL AIR OUTLET TEMPERATURE SENSOR (REAR OF CENTER CONSOLE)
AUTOMATIC AIR CONDITIONING CONTROL & OPERATING UNIT
EVAPORATOR TEMPERATURE SENSOR (RIGHT SIDE OF EVAPORATOR ASSEMBLY)
SUN SENSOR (TOP CENTER OF DASH)
RIGHT FRONT FOOTWELL AIR OUTLET TEMPERATURE SENSOR (RIGHT FRONT FOOTWELL AREA)
RIGHT SIDE AIR OUTLET TEMPERATURE SENSOR (IN RIGHT SIDE OUTLET)
LEFT SIDE AIR OUTLET TEMPERATURE SENSOR (IN LEFT SIDE OUTLET)
LEFT FRONT FOOTWELL AIR OUTLET TEMPERATURE SENSOR (LEFT FRONT FOOTWELL AREA)
LEFT CENTER AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
RIGHT CENTER AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
LEFT FRONT SIDE AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
RIGHT FRONT SIDE AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
REAR AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
386056


HOT AT ALL TIMES
FRONT SAM CONTROL MODULE W/ FUSE/ RELAY MODULE (LEFT REAR OF ENGINE COMPT)
FUSE 12 7.5A
SOLID STATE
OUTSIDE TEMPERATURE SENSOR
W16/3 (LEFT SIDE OF ENGINE COMPT)
W15/5 (LEFT FRONT FOOTWELL)
INTERIOR TEMPERATURE SENSOR (LEFT SIDE OF DASH)
X15/12
REFRIGERANT PRESSURE SENSOR (BEHIND RADIATOR ON REFRIGERANT LINE)
REFRIGERANT COMPRESSOR (LOWER LEFT FRONT ENGINE)
X26-C1
X226
INTERIOR HUMIDITY/ TEMPERATURE SENSOR (IF EQUIPPED) (IN OVERHEAD CONTROL MODULE)
CAN-B H
CAN-B L
COMPUTER DATA LINES SYSTEM
LIN DATA
INTERIOR TEMPERATURE SENSOR W/ INTEGRATED FAN
OVERHEAD CONTROL PANEL ELECTRONICS (W/O CAN)
AIR RECIR-CULATION MODE BUTTON
REAR WINDOW HEATER BUTTON
AUTOMATIC AIR CONDITIONING CONTROL & OPERATING UNIT
EVAPORATOR TEMPERATURE SENSOR (RIGHT SIDE OF EVAPORATOR ASSEMBLY)
C-AAC SUN SENSOR (CENTER REAR OF ENGINE COMPT HOOD)
RIGHT FRONT FOOTWELL AIR OUTLET TEMPERATURE SENSOR (RIGHT FRONT FOOTWELL AREA)
RIGHT SIDE AIR OUTLET TEMPERATURE SENSOR (IN RIGHT SIDE OUTLET)
LEFT SIDE AIR OUTLET TEMPERATURE SENSOR (IN LEFT SIDE OUTLET)
LEFT FRONT FOOTWELL AIR OUTLET TEMPERATURE SENSOR (LEFT FRONT FOOTWELL AREA)
LEFT CENTER AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
RIGHT CENTER AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
LEFT FRONT SIDE AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
RIGHT FRONT SIDE AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
REAR AIR OUTLET SYMBOL ILLUMINATION (IF EQUIPPED)
X18/35-C1
385058


W/ AIR OUTLET SYMBOL ILLUMINATION
LEFT CENTER AIR OUTLET SYMBOL ILLUMINATION
RIGHT CENTER AIR OUTLET SYMBOL ILLUMINATION
RIGHT FRONT SIDE AIR OUTLET SYMBOL ILLUMINATION
LEFT FRONT SIDE AIR OUTLET SYMBOL ILLUMINATION
REAR AIR OUTLET SYMBOL ILLUMINATION
HOT W/ ENGINE CIRCUIT 87 RELAY ENERGIZED
FRONT SAM CONTROL MODULE W/ FUSE/ RELAY MODULE (LEFT REAR OF ENGINE COMPT)
FUSE 22 15A
COMPUTER DATA LINES SYSTEM
W18 (W/O DIRECT SELECT) (UNDER DRIVER'S SEAT)
W19 (W/ DIRECT SELECT) (UNDER FRONT PASSENGER'S SEAT)
W15/5 (LEFT FRONT FOOTWELL)
BLK/RED (OR RED/BRN)
USA
(RIGHT FRONT FOOTWELL)
W15/7
BLOWER REGULATOR
BLOWER MOTOR
AC HOUSING
LEFT SIDE AIR OUTLET TEMPERATURE SENSOR (IN LEFT SIDE OUTLET)
LEFT FRONT FOOTWELL AIR OUTLET TEMPERATURE SENSOR (LEFT FRONT FOOTWELL AREA)
VEHICLE INTERIOR HUMIDITY/ TEMPERATURE SENSOR (W/ ECO START/ STOP FUNCTION) (IN OVERHEAD CONTROL MODULE)
386054


30
1 RED/GRN
ANTI-LOCK BRAKES SYSTEM
2 BLK/VIO
ENGINE CONTROLS SYSTEM
30
3 RED/BLU
DOOR LOCKS & MIRROR SYSTEMS
30
4 RED/WHT
DOOR LOCKS & MIRROR SYSTEMS
15R
5 PNK/BLU
INTERIOR LIGHTS & POWER DISTRIBUTION SYSTEMS
15
6 BLK/BLU
REAR SAM CONTROL MODULE CIRCUIT
30
7 RED/YEL
ANTI-LOCK BRAKES SYSTEM
CAN E H
8 GRN/WHT
COMPUTER DATA LINES SYSTEM
CAN E L
9 GRN
COMPUTER DATA LINES SYSTEM
CAN B H
10 BRN/RED
COMPUTER DATA LINES SYSTEM
CAN B L
11 BRN
COMPUTER DATA LINES SYSTEM
12
15
13 BLK
EXTERIOR LIGHTS & ANTI-LOCK BRAKES SYSTEMS
C7I
1
2 RED/WHT
TRANSMISSIONS SYSTEM
3
CAN D L
4 BLK
COMPUTER DATA LINES SYSTEM
5
6 RED/WHT
POWER DISTRIBUTION SYSTEM
7
CAN D H
8 BLK/WHT
COMPUTER DATA LINES SYSTEM
30G
9 RED/BLU
SUPPLEMENTAL RESTRAINTS SYSTEM
10
C10T
CAN E H
1 GRN/WHT
CAN E H
2 GRN/WHT
CAN E L
3 GRN
CAN E L
4 GRN
COMPUTER DATA LINES SYSTEM
5
CAN D H
6 GRY/WHT
CAN D L
7 GRY
8
9 RED/WHT
DOOR LOCKS SYSTEM
10 RED
ENGINE CONTROLS SYSTEM
11 GRY/YEL
ENGINE CONTROLS SYSTEM
12
58D
13 GRY/BLU
INTERIOR LIGHTS SYSTEM
58D
14 YEL/BLK
INTERIOR LIGHTS SYSTEM
58D
15 BLU/BLK
INTERIOR LIGHTS SYSTEM
16 RED/BLU
POWER DISTRIBUTION SYSTEM
17
18
SIG
19 BRN/BLK
INSTRUMENT CLUSTER SYSTEM
20
C19I
+
1 RED/GRN
HEADLIGHTS SYSTEM
31
2 BRN
HEADLIGHTS SYSTEM
3
4
5
6
BBV HR
7 ORG/GRN
INSTRUMENT CLUSTER SYSTEM
BBV VL
8 ORG/BLU
INSTRUMENT CLUSTER SYSTEM
CAN B H
9 BRN/RED
COMPUTER DATA LINES SYSTEM
CAN B L
10 BRN
COMPUTER DATA LINES SYSTEM
SIG
11 GRN/BLK
HEADLIGHTS SYSTEM
12 YEL/VIO
HEADLIGHTS & EXTERIOR LIGHTS SYSTEMS
13 GRY
INTERIOR LIGHTS SYSTEM
14 YEL
HEADLIGHTS & EXTERIOR LIGHTS SYSTEMS
15 BRN/VIO
HEADLIGHTS & EXTERIOR LIGHTS SYSTEMS
16
17 GRY
HEADLIGHTS & EXTERIOR LIGHTS SYSTEMS
18
19 BLU/BRN
ANTI-LOCK BRAKES SYSTEM
20
C22I
DRIVER SIDE SAM CONTROL MODULE
W/ FUSE/RELAY MODULE
(LEFT REAR OF ENGINE COMPT)
ENGINE CONTROLS SYSTEM
BLU/RED 3
ENGINE CONTROLS SYSTEM
RED 4
30Z
5
AIR CONDITIONING SYSTEM
RED/GRN (OR RED) 6
87M
7
ENGINE CONTROLS & STARTING/CHARGING SYSTEMS
WHT 8
ENGINE CONTROLS SYSTEM
BLU/RED 9
EKP
ENGINE CONTROLS SYSTEM
RED/YEL 10
87M
C4I
HEADLIGHTS SYSTEM
GRN 1
55R
2
3
4
5
HEADLIGHTS SYSTEM
BLK/RED 6
15
W15/5
(LEFT FRONT FOOTWELL)
BRN 7
31
HEADLIGHTS SYSTEM
YEL/BLK 8
56B
HORNS SYSTEM
BLK (OR BLK/WHT) 9
(+)
HORNS SYSTEM
BLK (OR BLK/WHT)
HEADLIGHTS SYSTEM
WHT 10
56A
C15M
HEADLIGHTS SYSTEM
WHT/BLK 1
56A
HEADLIGHTS SYSTEM
YEL 2
56B
HEADLIGHTS SYSTEM
BLK/RED 3
15
WIPER/WASHER SYSTEM
BRN 4
GND
W15/5
(LEFT FRONT FOOTWELL)
BRN 5
31
WIPER/WASHER SYSTEM
RED/YEL 6
SIG
AIR CONDITIONING & COOLING FANS SYSTEMS
RED/GRN (OR BLK/RED) 7
87M
WIPER/WASHER SYSTEM
BLK/GRY 8
SIG
WIPER/WASHER SYSTEM
VIO/YEL 9
SIG
HEADLIGHTS SYSTEM
GRY 10
55L
C14M
1
2
3
4
5
6
7
NAVIGATION SYSTEMS
RED/WHT 8
30G
ANTI-LOCK BRAKES SYSTEM
RED/GRY 9
30G
10
CRUISE CONTROL SYSTEM
RED/BRN 11
87F
12
13
14
15
16
17
18
C2I
DRIVER SIDE SAM CONTROL MODULE
W/ FUSE/RELAY MODULE
(LEFT REAR OF ENGINE COMPT)
386279


(INTEGRAL TO THROTTLE VALVE ACTUATOR)
THROTTLE VALVE ACTUATOR
(IN LEFT EXHAUST, UPSTREAM OF CATALYTIC CONVERTER)
LEFT OXYGEN SENSOR UPSTREAM OF CATALYTIC CONVERTER
INTAKE MANIFOLD & INTAKE AIR TEMPERATURE SENSOR
BLK/BLU
ORG
WHT (OR BLK)
VIO
WHT/BRN
PNK/BLU
RED/GRN
GRY/ORG
GRN/PNK
BLK/YEL
BLK/VIO
GRN/YEL
GRY/BLK
BRN/GRN (OR BRN/YEL)
BLK/WHT (OR BRN/GRY)
GRY/BLK
VIO/BLU
BRN/BLK
PNK/BLK
GRY/RED
RED/YEL (OR RED/WHT)
WHT (OR BLK)
RED/YEL (OR RED/BLU)
GRY/GRN
YEL/GRY
WHT/BRN
RED/BLU
WHT/YEL (OR PNK/WHT)
BRN/GRN (OR BRN/YEL)
PNK/VIO (OR PNK/BLU)
X26-C1
RED/GRY
GRY/WHT
RED/GRN
GRN/WHT
RED/BLK
GRY/BLU
BLU/GRY
BLU/RED
GRN/BLU
BLU/YEL
ORG
VIO
BLK/BLU
BRN/GRY (OR BRN/WHT)
BLU/GRN
BLK/ORG (OR BRN/VIO)
BRN/YEL
PNK/BLU
RED/BLK
YEL/RED
BRN/GRN (OR BRN/YEL)
WHT/PNK
VIO/YEL
GRY/PNK
BLK/RED
BRN/WHT
BRN
COMPUTER DATA LINES SYSTEM
W19 (UNDER FRONT PASSENGER'S SEAT)
X364/4 C2
W11 (RIGHT REAR OF ENGINE COMPT)
IGNITION COILS CYLINDERS (CYLINDER 1, 2, 3: ON ENGINE RIGHT CYLINDER BANK)
TO SPARK
RIGHT INTAKE CAMSHAFT SOLENOID (RIGHT FRONT OF ENGINE)
RIGHT EXHAUST CAMSHAFT SOLENOID (RIGHT FRONT OF ENGINE)
RIGHT NOX SENSOR CONTROL UNIT (COUPE)
RIGHT NOX SENSOR (COUPE) (IN EXHAUST, DOWNSTREAM OF RIGHT NOX STORAGE CATALYTIC
NCA
386976


HOT AT ALL TIMES
HOT W/ QUIESCENT CURRENT CUTOUT RELAY ENERGIZED
FUSE 152 150A
FUSE 161 156 100A
FRONT PREFUSE (RIGHT REAR OF ENGINE COMPT)
① W/O ECO START/ STOP FUNCTION
② W/ ECO START/ STOP FUNCTION
M62
M61
RED
RED/WHT
REAR FOG LIGHT BUTTON
FRONT FOG LAMP BUTTON
SWITCH ILLUMINATION
HEADLAMP RANGE CONTROLLER
EXTERIOR LIGHTS SWITCH
LDS3 5 GRY/PNK
LDS2 6 GRY/BLK
LDS1 7 GRY/BLK
31 8 GRY/BRN
15 4 PNK/RED
LER 3 BLK/PNK
58D 2 GRY/BLU
INTERIOR LIGHTS SYSTEM
X18-C3
COMPUTER DATA LINES SYSTEM
GRN 12 CAN E L
GRN/WHT 13 CAN E H
REAR FOG LAMP INDICATOR LAMP
FRONT FOG LAMPS INDICATOR LAMP
HIGH BEAM INDICATOR LAMP
INSTRUMENT CLUSTER
COMBINATION SWITCH
HEADLAMP FLASHER/ HIGH BEAM SWITCH
LOW BEAM SWITCH
13
14
C
GRN/WHT 2 CAN E H
GRN 1 CAN E L
C1
STEERING COLUMN MODULE (TOP OF STEERING COLUMN)
HOT W/ CIRCUIT 15 RELAY ENERGIZED
FUSE 30 10A
FUSE 29 10A
FUSE 5 7.5A
LWR
SOLID STATE
30
30G
C17C
C11C
C22I
C16S
C8S
5 BLK/PNK
11 PNK/RED
17 GRY/BRN
12 GRY/BLK
14 GRY/BLU
15 GRY/PNK
RED
RED/WHT
CAN-B H 9 BRN/RED
CAN-B L 10 BRN
COMPUTER DATA LINES SYSTEM
31 5 BRN
W16/4 (RIGHT SIDE OF ENGINE COMPT)
C14M
C18M
C15M
1 GRN/BLU
3 BLK/BLU
2 YEL
10 WHT
12 GRN/BLK
6 BLK/BLU
8 YEL/BLK
1 WHT/BLK
10 GRN/BLK
1 GRN
56H R
56A R
56B L
56A L
55L
55R
DRIVER SIDE SAM CONTROL MODULE W/ FUSE/RELAY MODULE (LEFT REAR OF ENGINE COMPT)
(BEHIND LEFT HEADLIGHT UNIT) W9
(RIGHT SIDE OF ENGINE COMPT) W16/4
WHT/BLK
YEL/BLK
BRN
BLK/BLU
GRN/BLK
WHT
YEL
HIGH BEAM
LOW BEAM
LEFT FRONT LAMP UNIT
RIGHT FRONT LAMP UNIT
HEADLAMP RANGE ADJUSTMENT ACTUATOR MOTOR
2 GRN
1 BRN
W16/4 (RIGHT SIDE OF ENGINE COMPT)
RIGHT FOG LAMP (IF EQUIPPED)
2 GRN/BLK
1 BRN
W9 (BEHIND LEFT HEADLIGHT UNIT)
LEFT FOG LAMP (IF EQUIPPED)
387166

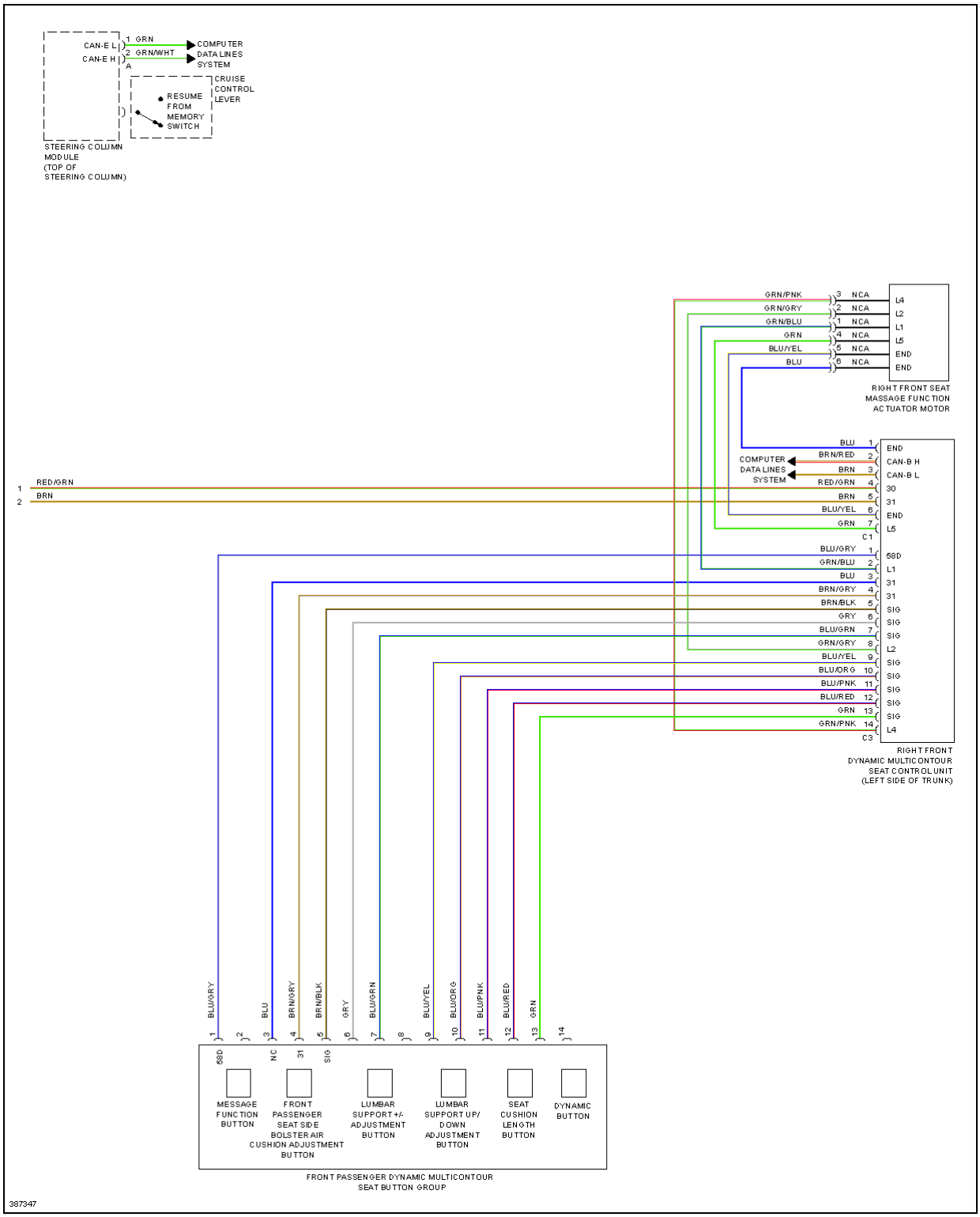
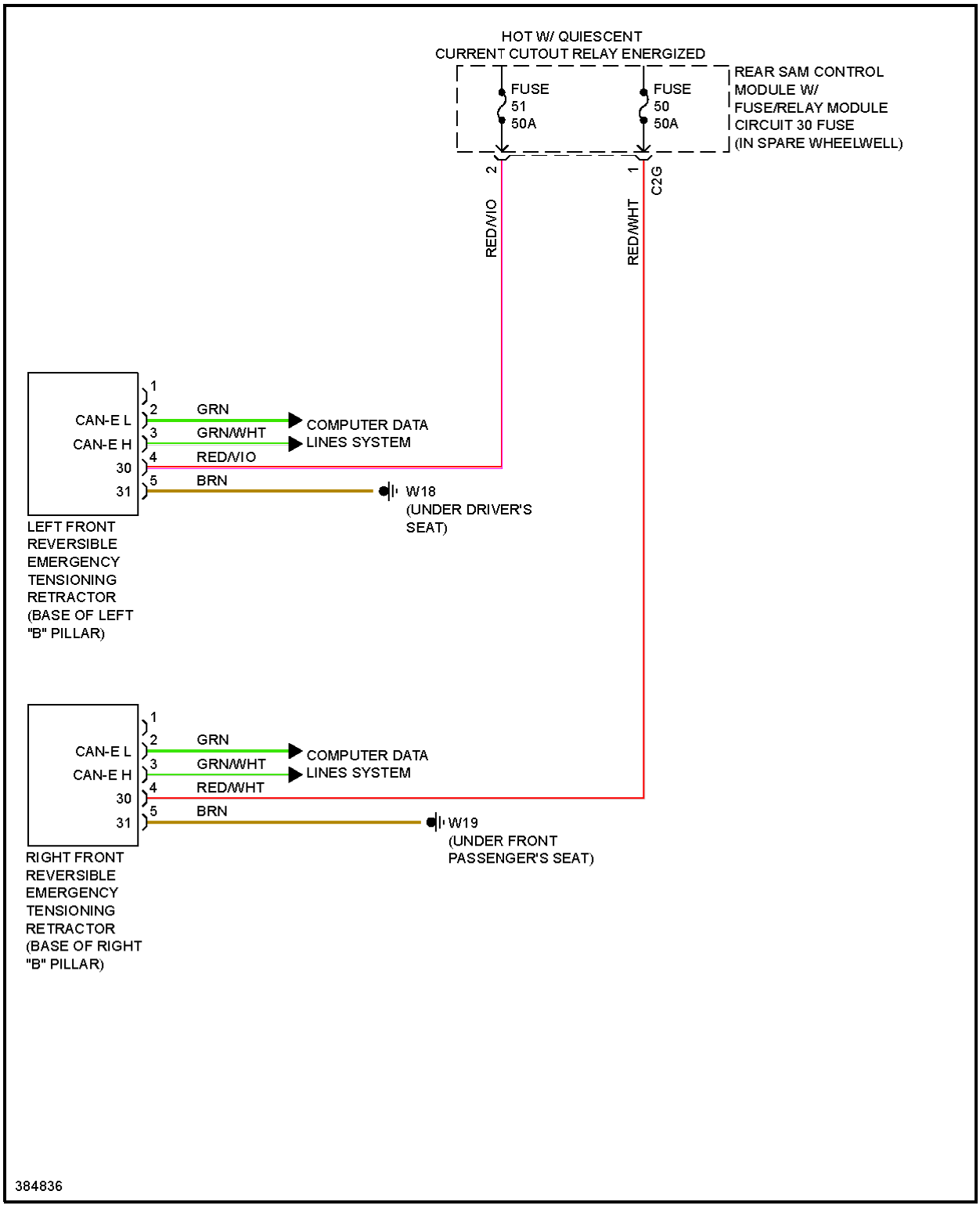
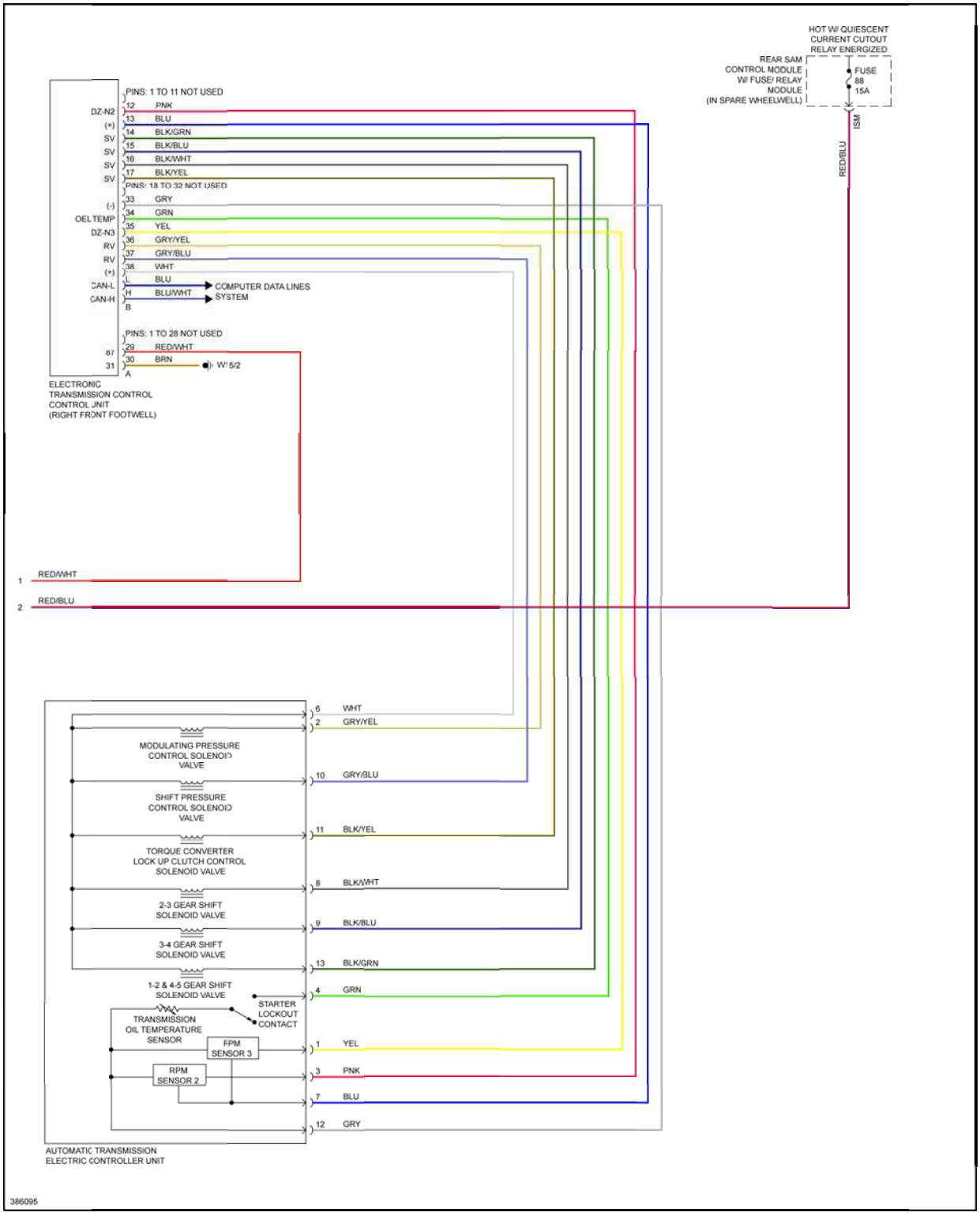
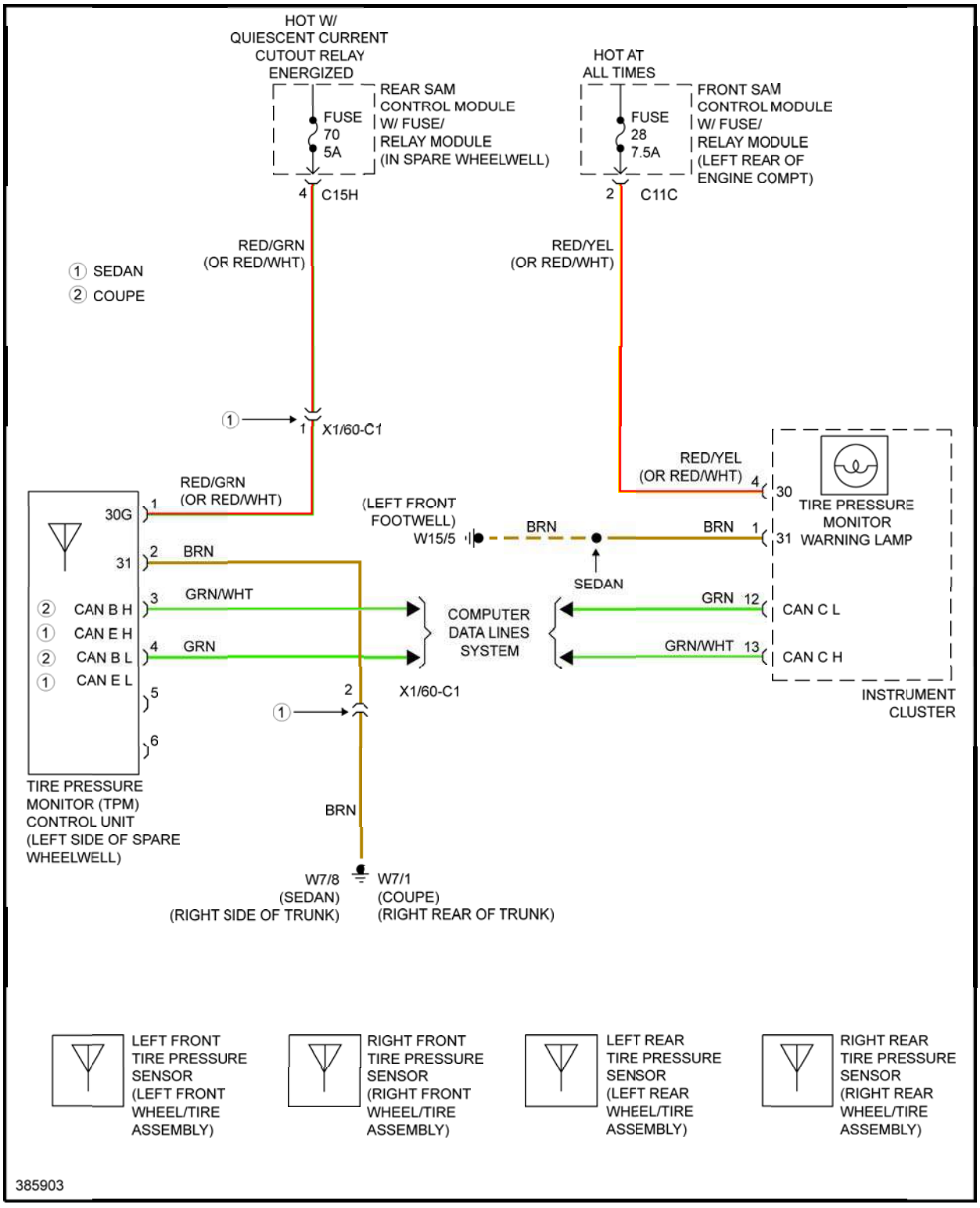
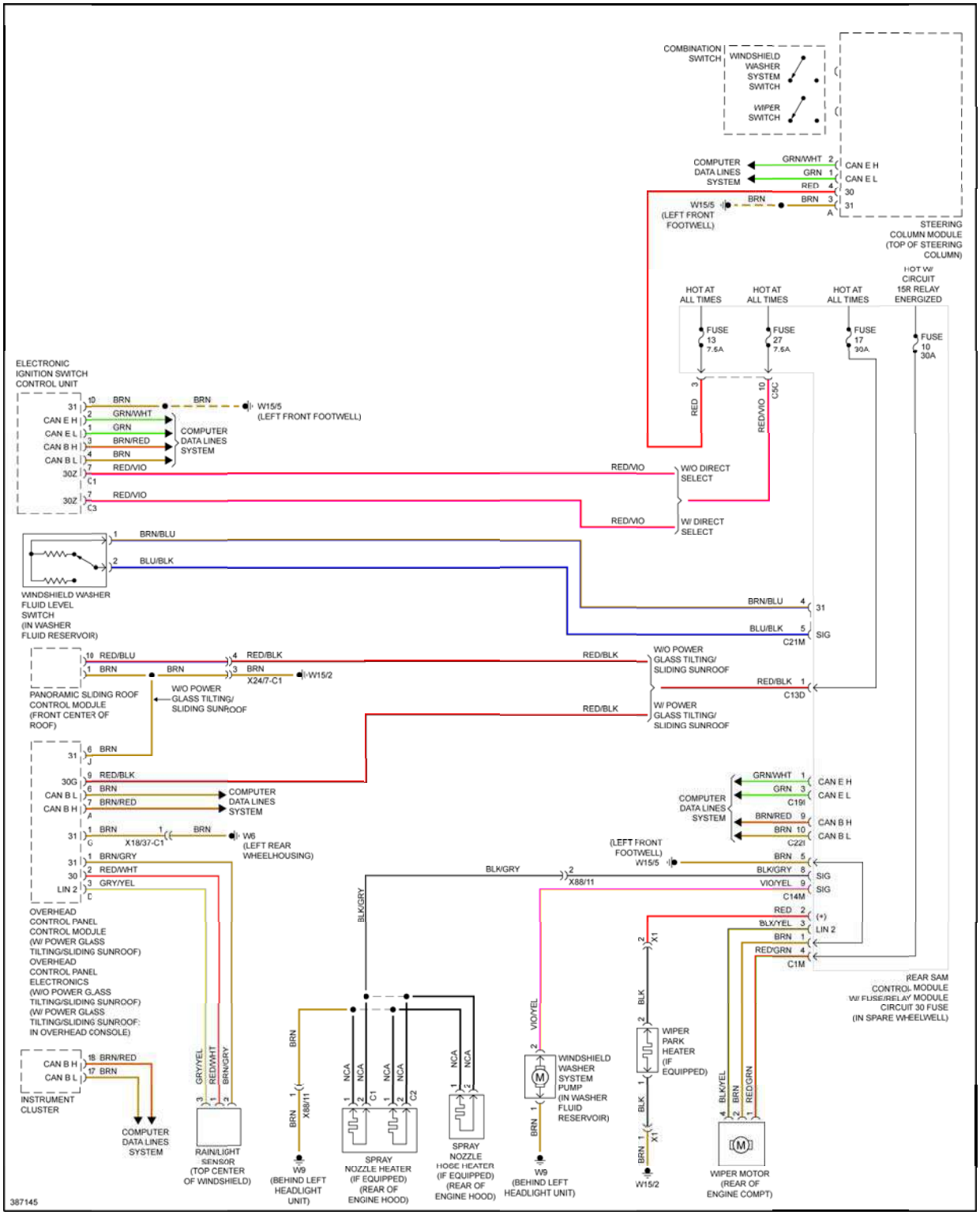

CAN-E L
CAN-E H
1 GRN
2 GRN/WHT
A
COMPUTER DATA LINES SYSTEM
CRUISE CONTROL LEVER
RESUME FROM MEMORY SWITCH
STEERING COLUMN MODULE (TOP OF STEERING COLUMN)
GRN/PNK
GRN/GRY
GRN/BLU
GRN
BLU/YEL
BLU
3 NCA
2 NCA
1 NCA
4 NCA
5 NCA
6 NCA
L4
L2
L1
L5
END
END
RIGHT FRONT SEAT MASSAGE FUNCTION ACTUATOR MOTOR
COMPUTER DATA LINES SYSTEM
BLU 1
BRN/RED 2
BRN 3
RED/GRN 4
BRN 5
BLU/YEL 6
GRN 7
C1
END
CAN-B H
CAN-B L
30
31
END
L5
1 RED/GRN
2 BRN
BLU/GRY 1
GRN/BLU 2
BLU 3
BRN/GRY 4
BRN/BLK 5
GRY 6
BLU/GRN 7
GRN/GRY 8
BLU/YEL 9
BLU/ORG 10
BLU/PNK 11
BLU/RED 12
GRN 13
GRN/PNK 14
C3
58D
L1
31
31
SIG
SIG
SIG
L2
SIG
SIG
SIG
SIG
SIG
L4
RIGHT FRONT DYNAMIC MULTICONTOUR SEAT CONTROL UNIT (LEFT SIDE OF TRUNK)
BLU/GRY
BLU
BRN/GRY
BRN/BLK
GRY
BLU/GRN
BLU/YEL
BLU/ORG
BLU/PNK
BLU/RED
GRN
58D
NC
31
SIG
MESSAGE FUNCTION BUTTON
FRONT PASSENGER SEAT SIDE BOLSTER AIR CUSHION ADJUSTMENT BUTTON
LUMBAR SUPPORT +/- ADJUSTMENT BUTTON
LUMBAR SUPPORT UP/ DOWN ADJUSTMENT BUTTON
SEAT CUSHION LENGTH BUTTON
DYNAMIC BUTTON
FRONT PASSENGER DYNAMIC MULTICONTOUR SEAT BUTTON GROUP
387347

Fig. 166: Multimedia Interface Circuit, Early Production Coupe


HOT W/ QUIESCENT
CURRENT CUTOUT RELAY ENERGIZED
FUSE
51
50A
FUSE
50
50A
REAR SAM CONTROL
MODULE W/
FUSE/RELAY MODULE
CIRCUIT 30 FUSE
(IN SPARE WHEELWELL)
2
1
C2G
RED/VIO
RED/WHT
1
CAN-E L
CAN-E H
30
31
2
3
4
5
GRN
GRN/WHT
RED/VIO
BRN
COMPUTER DATA
LINES SYSTEM
W18
(UNDER DRIVER'S
SEAT)
LEFT FRONT
REVERSIBLE
EMERGENCY
TENSIONING
RETRACTOR
(BASE OF LEFT
"B" PILLAR)
1
CAN-E L
CAN-E H
30
31
2
3
4
5
GRN
GRN/WHT
RED/WHT
BRN
COMPUTER DATA
LINES SYSTEM
W19
(UNDER FRONT
PASSENGER'S SEAT)
RIGHT FRONT
REVERSIBLE
EMERGENCY
TENSIONING
RETRACTOR
(BASE OF RIGHT
"B" PILLAR)
384836


HOT W/ QUIESCENT CURRENT CUTOUT RELAY ENERGIZED
REAR SAM CONTROL MODULE W/ FUSE/ RELAY MODULE (IN SPARE WHEELWELL)
FUSE 88 15A
ISM
RED/BLU
PINS: 1 TO 11 NOT USED
12 PNK
13 BLU
14 BLK/GRN
15 BLK/BLU
16 BLK/WHT
17 BLK/YEL
PINS: 18 TO 32 NOT USED
33 GRY
34 GRN
35 YEL
36 GRY/YEL
37 GRY/BLU
38 WHT
L BLU
H BLU/WHT
B
COMPUTER DATA LINES
SYSTEM
PINS: 1 TO 28 NOT USED
29 RED/WHT
30 BRN
A
W15/2
87
31
DZ-N2
(+)
5V
5V
5V
5V
(-)
OEL TEMP
DZ-N3
RV
RV
(+)
CAN-L
CAN-H
ELECTRONIC TRANSMISSION CONTROL CONTROL UNIT (RIGHT FRONT FOOTWELL)
1 RED/WHT
2 RED/BLU
6 WHT
2 GRY/YEL
MODULATING PRESSURE CONTROL SOLENOID VALVE
10 GRY/BLU
SHIFT PRESSURE CONTROL SOLENOID VALVE
11 BLK/YEL
TORQUE CONVERTER LOCK UP CLUTCH CONTROL SOLENOID VALVE
8 BLK/WHT
2-3 GEAR SHIFT SOLENOID VALVE
9 BLK/BLU
3-4 GEAR SHIFT SOLENOID VALVE
13 BLK/GRN
1-2 & 4-5 GEAR SHIFT SOLENOID VALVE
4 GRN
STARTER LOCKOUT CONTACT
TRANSMISSION OIL TEMPERATURE SENSOR
RPM SENSOR 3
1 YEL
RPM SENSOR 2
3 PNK
7 BLU
12 GRY
AUTOMATIC TRANSMISSION ELECTRIC CONTROLLER UNIT
386095


HOT W/
QUIESCENT CURRENT
CUTOUT RELAY
ENERGIZED
REAR SAM
CONTROL MODULE
W/ FUSE/
RELAY MODULE
(IN SPARE WHEELWELL)
FUSE
70
5A
4
C15H
HOT AT
ALL TIMES
FRONT SAM
CONTROL MODULE
W/ FUSE/
RELAY MODULE
(LEFT REAR OF
ENGINE COMPT)
FUSE
28
7.5A
2
C11C
RED/GRN
(OR RED/WHT)
RED/YEL
(OR RED/WHT)
① SEDAN
② COUPE
①
1
X1/60-C1
RED/YEL
(OR RED/WHT)
4
30
TIRE PRESSURE
MONITOR
WARNING LAMP
RED/GRN
(OR RED/WHT)
1
30G
(LEFT FRONT
FOOTWELL)
W15/5
BRN
BRN
1
31
2
BRN
SEDAN
GRN/WHT
3
② CAN B H
① CAN E H
GRN
12
CAN C L
COMPUTER
DATA LINES
SYSTEM
4
② CAN B L
① CAN E L
GRN
GRN/WHT
13
CAN C H
5
6
2
①
X1/60-C1
INSTRUMENT
CLUSTER
TIRE PRESSURE
MONITOR (TPM)
CONTROL UNIT
(LEFT SIDE OF SPARE
WHEELWELL)
BRN
W7/8
(SEDAN)
(RIGHT SIDE OF TRUNK)
W7/1
(COUPE)
(RIGHT REAR OF TRUNK)
LEFT FRONT
TIRE PRESSURE
SENSOR
(LEFT FRONT
WHEEL/TIRE
ASSEMBLY)
RIGHT FRONT
TIRE PRESSURE
SENSOR
(RIGHT FRONT
WHEEL/TIRE
ASSEMBLY)
LEFT REAR
TIRE PRESSURE
SENSOR
(LEFT REAR
WHEEL/TIRE
ASSEMBLY)
RIGHT REAR
TIRE PRESSURE
SENSOR
(RIGHT REAR
WHEEL/TIRE
ASSEMBLY)
385903


COMBINATION SWITCH
WINDSHIELD WASHER SYSTEM SWITCH
WIPER SWITCH
COMPUTER DATA LINES SYSTEM
GRN/WHT 2
GRN 1
RED 4
BRN 3
CAN E H
CAN E L
30
31
W15/5 (LEFT FRONT FOOTWELL)
STEERING COLUMN MODULE (TOP OF STEERING COLUMN)
HOT AT ALL TIMES
HOT AT ALL TIMES
HOT AT ALL TIMES
HOT W/ CIRCUIT 15R RELAY ENERGIZED
FUSE 13 7.5A
FUSE 27 7.5A
FUSE 17 30A
FUSE 10 30A
ELECTRONIC IGNITION SWITCH CONTROL UNIT
COMPUTER DATA LINES SYSTEM
W/O DIRECT SELECT
W/ DIRECT SELECT
WINDSHIELD WASHER FLUID LEVEL SWITCH (IN WASHER FLUID RESERVOIR)
PANORAMIC SLIDING ROOF CONTROL MODULE (FRONT CENTER OF ROOF)
W/O POWER GLASS TILTING/ SLIDING SUNROOF
W/ POWER GLASS TILTING/ SLIDING SUNROOF
OVERHEAD CONTROL PANEL CONTROL MODULE (W/ POWER GLASS TILTING/SLIDING SUNROOF)
OVERHEAD CONTROL PANEL ELECTRONICS (W/O POWER GLASS TILTING/SLIDING SUNROOF) (W/ POWER GLASS TILTING/SLIDING SUNROOF: IN OVERHEAD CONSOLE)
INSTRUMENT CLUSTER
COMPUTER DATA LINES SYSTEM
RAIN/LIGHT SENSOR (TOP CENTER OF WINDSHIELD)
W9 (BEHIND LEFT HEADLIGHT UNIT)
SPRAY NOZZLE HEATER (IF EQUIPPED) (REAR OF ENGINE HOOD)
SPRAY NOZZLE HOSE HEATER (IF EQUIPPED) (REAR OF ENGINE HOOD)
WINDSHIELD WASHER SYSTEM PUMP (IN WASHER FLUID RESERVOIR)
W9 (BEHIND LEFT HEADLIGHT UNIT)
WIPER PARK HEATER (IF EQUIPPED)
W15/2
WIPER MOTOR (REAR OF ENGINE COMPT)
REAR SAM CONTROL MODULE W/ FUSE/RELAY MODULE CIRCUIT 30 FUSE (IN SPARE WHEELWELL)
387145

TIRE PRESSURE MONITOR SYSTEMS

Mercedes-Benz - E-Class (207 & 212)

MODEL COVERAGE

Models Covered

Model	Chassis Code	Year(s)
E350	207	2010-13
E350	212	2010-13
E400	212	2013
E550	207	2010-13
E550	212	2010-13
E63	212	2010-13

NOTE: Chassis codes:

- **207: Coupe and Convertible**
- **212: Sedan and Wagon**

DESCRIPTION & OPERATION

NOTE: Whenever tire pressure has been adjusted, the TPM system must be reactivated. New tire pressure sensors are automatically detected after the vehicle has been stationary for at least 20 minutes, then driving for at least 10 minutes. See RESET PROCEDURES.

TIRE PRESSURE MONITOR (TPM) SYSTEM

The Tire Pressure Monitor (TPM) system monitors the tire inflation pressure (as selected by the driver) in the 4 road tires at vehicle speeds in excess of 6-12 mph (10-20kph). To perform this function, the system uses an electronic tire pressure sensor in each wheel, a low tire pressure warning light on the instrument cluster, and, if possible, location indication on the multifunction display.

The wheel sensor is mounted on the metal valve (not visible from outside), and measures the air pressure inside the tire. The driver warnings will occur in the following ways to indicate a low tire pressure condition or a malfunction in the TPM system:

Under the following conditions, the system may not function properly:

- Installation of incompatible replacement or alternate tires or wheels.
- Operating radio transmission equipment (i.e., wireless headsets, 2-way radios) in or near the vehicle.
- The tire pressure suddenly drops due to bursting or other causes.

Binding Pilot Bearing	Replace Pilot Bearing
Faulty Clutch Master Cylinder	Replace Master Cylinder
Faulty Clutch Slave Cylinder	Replace Slave Cylinder
Blown Clutch Hose	Replace Hose
Sticky Throw-Out Bearing Sleeve	Clean/Lube Sleeve
Clutch Cable Binding	Replace Clutch Cable
Broken/Loose Bellhousing	Check Bellhousing
Rattling/Squeaking	
Broken Throw-Out Lever Return Spring	Replace Return Spring
Faulty Throw-Out Bearing	Replace Throw-Out Bearing
Faulty Clutch Disc	Replace Clutch Disc
Faulty Pilot Bearing	Replace Pilot Bearing
Worn Throw-Out Bearing	Replace Throw-Out Bearing
Dry Bearing Retainer Slide For Throw-Out Bearing Sleeve	Lubricate Slide
Slipping	
Faulty Pressure Plate	Replace Clutch Assembly
Worn Clutch Disc	Replace Clutch Assembly
Incorrect Alignment	Realign Clutch Assembly
Faulty Clutch Slave Cylinder	Replace Slave Cylinder
No Pedal Pressure	
Leaky Hydraulic System	Check Clutch Master Cylinder, Check Clutch Slave Cylinder
	Check Clutch Hose
Broken Clutch Cable	Replace Clutch Cable
Faulty Throw-Out Lever	Replace Throw-Out Lever
Broken Clutch Linkage	Repair Clutch Linkage
Noisy Clutch Pedal	
Faulty Safety Switch	Check/Replace Switch
Noisy Self-Adj. Ratchet	Replace Ratchet
Dry Throw-Out Bearing	Replace Throw-Out Bearing
Dry Pilot Bearing	Replace Pilot Bearing
Worn Input Shaft	Replace Input Shaft

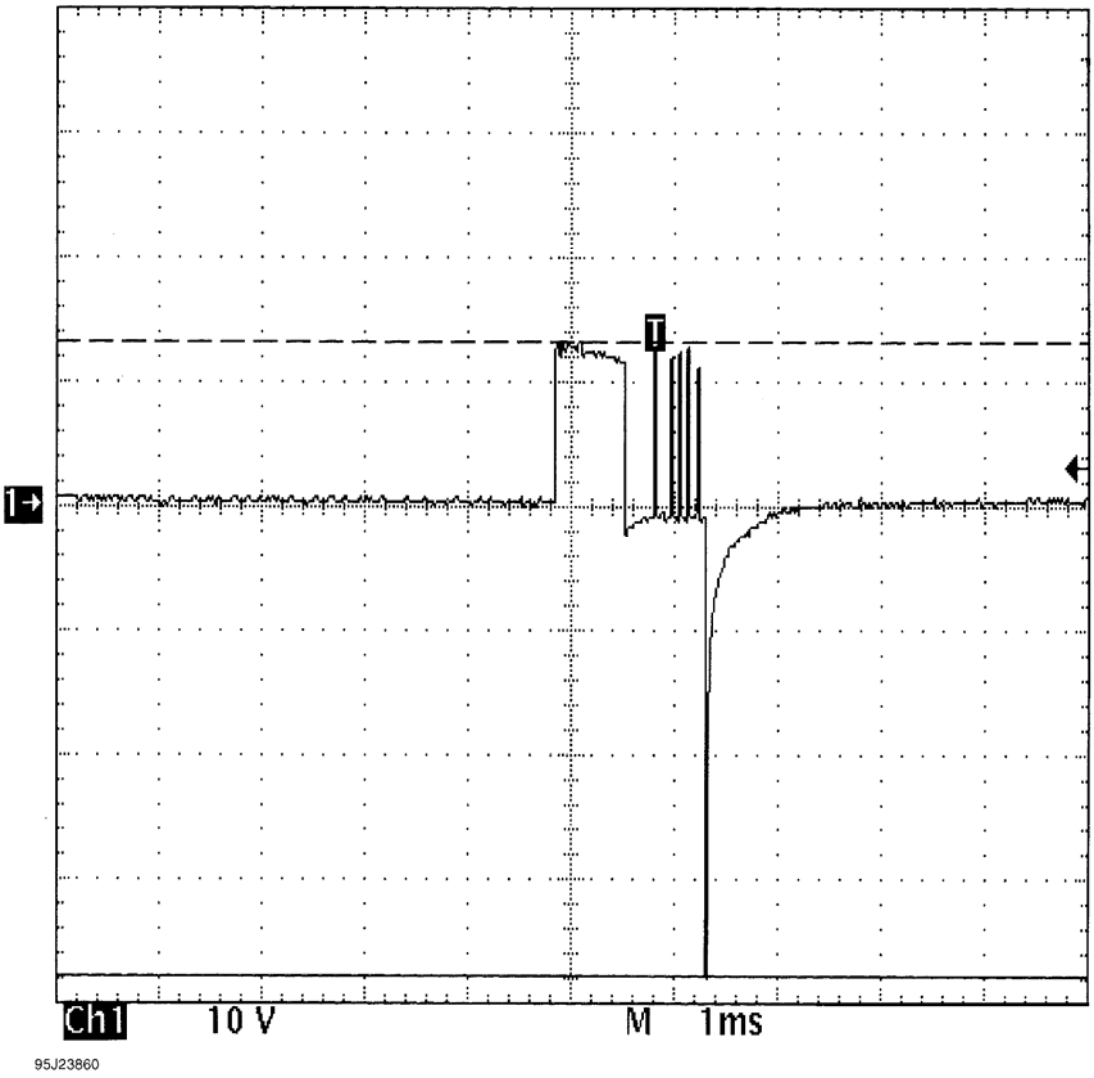


Fig. 22: Single Injector - Known Good - Voltage Pattern

EXAMPLE #5 - CURRENT CONTROLLED DRIVER

These two known-good waveform patterns are from a Chrysler 3.0L V6 VIN [3]. The first waveform, Fig. **Fig. 23**, is a dual trace pattern that illustrates how Chrysler uses the rising edge of the engine speed signal to trigger the injectors. The second waveform, Fig. **Fig. 24**, was taken during hot idle, closed loop, and no load.