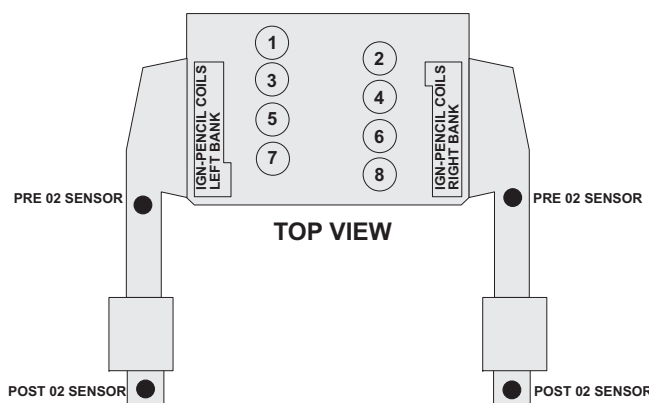
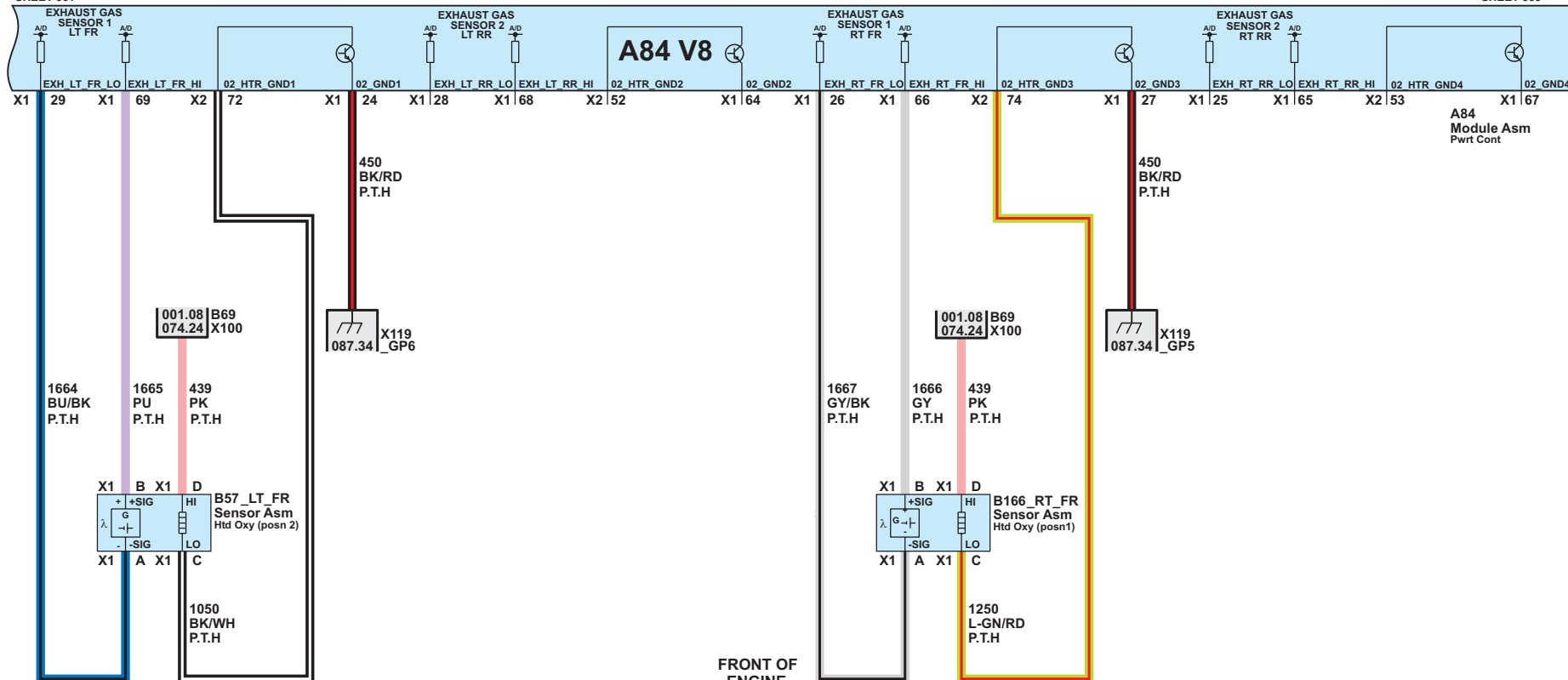




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SHEET 001

CONTINUED ON  
SHEET 003

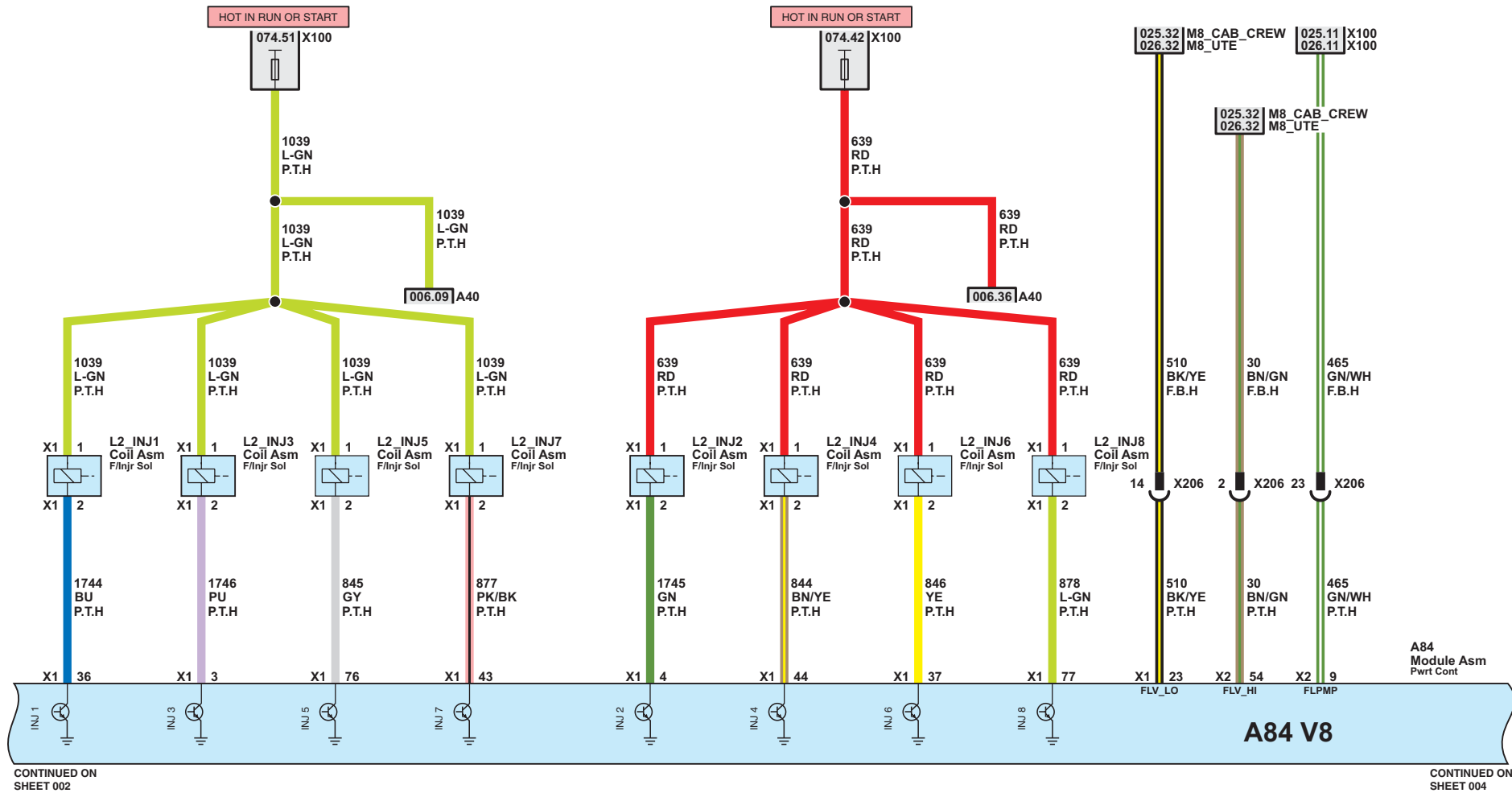


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002 of 104

Engine - Emission Controls

MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT002



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Engine - Fuel Injectors, Fuel Level & Fuel Control

MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT003

CONTINUED ON  
SHEET 005

**A84 V8**

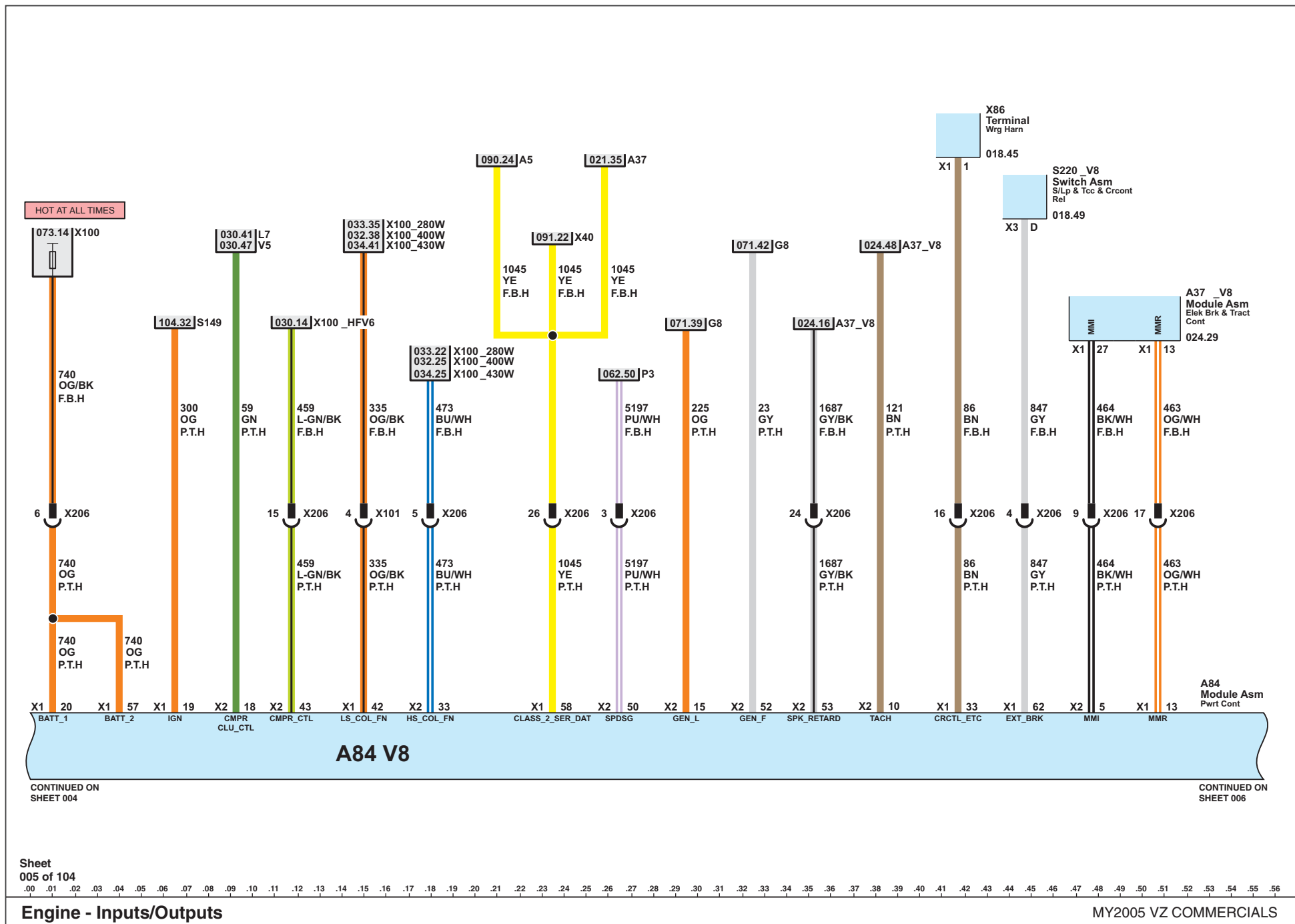
**Wiring Diagram Details:**

- Top Header (A84 V8):**
  - CNPUR X2 34
  - COL\_TMP X1 74
  - VREF\_0V X1 80
  - COL\_LV X1 30
  - KNK\_SIG1 X1 51
  - KNK\_SIG2 X1 11
  - OIL\_LV X1 78
  - CMSHF POSN +V X2 39
  - CMSHF POSN SIG X1 73
  - CMSHF POSN 0V X1 61
  - CRK POSN +V X1 2
  - CRK POSN SIG X1 12
  - CRK POSN 0V X1 21
- Bottom Header (B30 Sensor Asm Cr/Shf Posn):**
  - B+ X1 C
  - SIG X1 A
  - GND X1 B
  - DIGITAL
  - SENSOR
- Key Components and Connections:**
  - Y123\_V8 Valve Asm:** Evap Emis Cnstr, Purge Sol. Connected to CNPUR (34) and COL\_TMP (74).
  - B65\_SNSR1 Sensor Asm Knock:** Connected to KNK\_SIG1 (51) and B65\_SNSR1 (Knock).
  - B65\_SNSR2 Sensor Asm Knock:** Connected to KNK\_SIG2 (11) and B65\_SNSR2 (Knock).
  - B39 Sensor Asm Eng Cool Temp:** Connected to COL\_LV (30) and COL\_TMP (74).
  - B28 Sensor Asm Cm/Shf Posn:** Connected to CMSHF POSN +V (39), CMSHF POSN SIG (73), and CMSHF POSN 0V (61).
  - B30 Sensor Asm Cr/Shf Posn:** Connected to CRK POSN +V (2), CRK POSN SIG (12), and CRK POSN 0V (21).

00 .01 .02 .03 .04 .05 .06 .07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .18 .19 .20 .21 .22 .23 .24 .25 .26 .27 .28 .29 .30 .31 .32 .33 .34 .35 .36 .37 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .48 .49 .50 .51 .52 .53 .54 .55 .56

MY2005 VZ COMMERCIALS

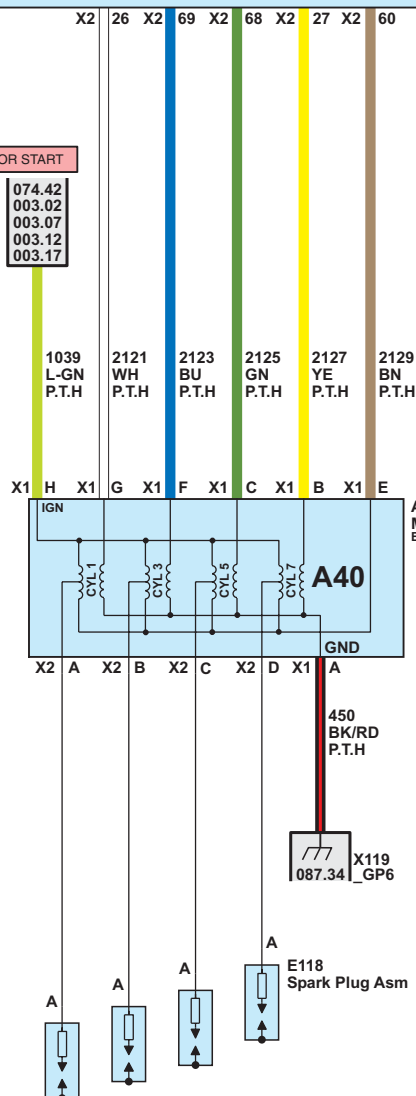
V05CM(AU)\_12PSHT004



# A84 V8

HOT IN RUN OR START

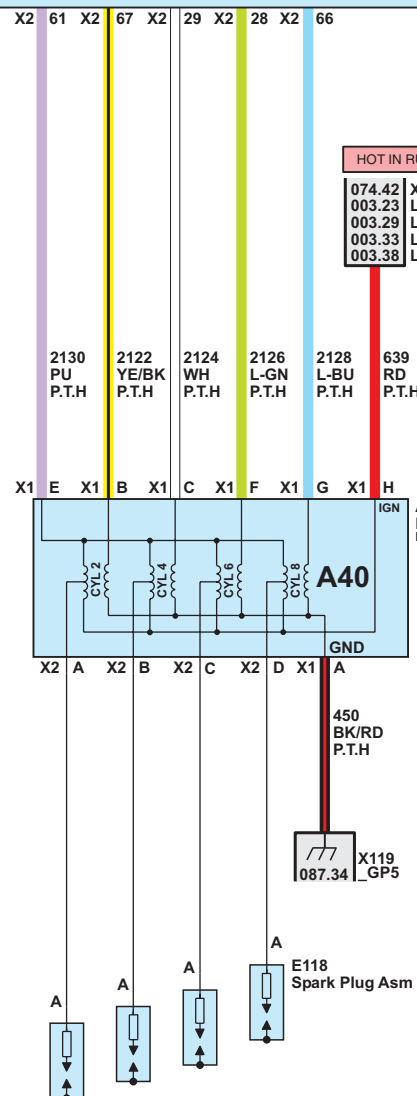
X100 074.42  
L2\_INJ1 003.02  
L2\_INJ3 003.07  
L2\_INJ5 003.12  
L2\_INJ7 003.17



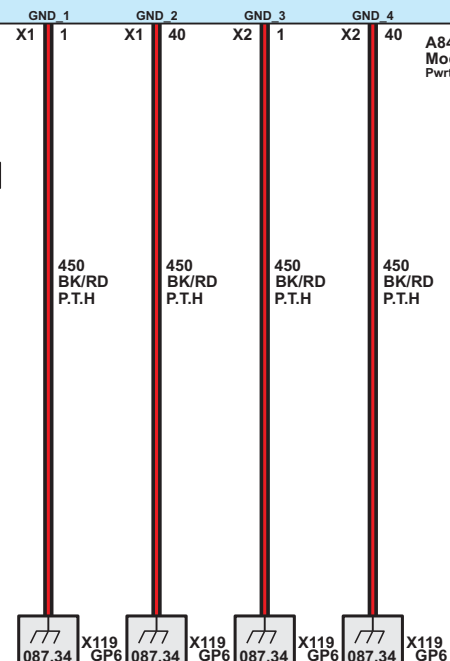
A40\_LT  
Module Asm  
Elek Ign Cont

HOT IN RUN OR START

074.42 X100  
003.23 L2\_INJ2  
003.29 L2\_INJ4  
003.33 L2\_INJ6  
003.38 L2\_INJ8

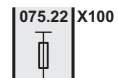


A40\_RT  
Module Asm  
Elek Ign Cont



A84  
Module Asm  
Pwr Cont

HOT IN RUN OR START

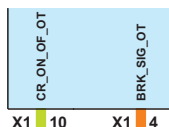


1239  
PK/BK  
F.B.H

18 X206

1239  
PK/BK  
P.T.H

X1 7 IG



696  
L-GN  
F.B.H

21 X206

696  
L-GN  
P.T.H

X1 14 CR\_ON\_OF

A5  
Module Asm  
Communication  
Interface  
090.13

5371  
OG  
F.B.H

1 X101

5371  
OG  
P.T.H

X1 6 BRK\_SIG



84  
BU  
F.B.H

4 X206

84  
BU  
P.T.H

X1 4 CR\_SET\_CST

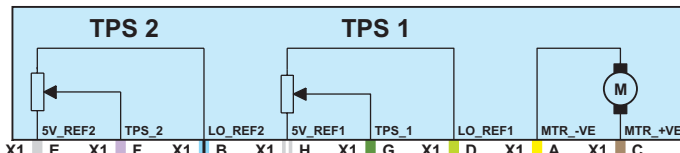
S43\_V8  
Switch Asm  
Crcont  
018.20

87  
GY/RD  
F.B.H

14 X206

87  
GY/BK  
P.T.H

X1 5 CR\_RESM\_ACL



416  
GY  
P.T.H

X1 9 5V\_REF2

486  
PU  
P.T.H

X1 11 TPS\_2

6297  
L-BU/BK  
P.T.H

X1 10 LO\_REF2

2701  
GY/WH  
P.T.H

X1 2 5V\_REF1

485  
GN  
P.T.H

X1 1 TPS\_1

2752  
L-GN  
P.T.H

X1 3 LO\_REF1

581  
YE  
P.T.H

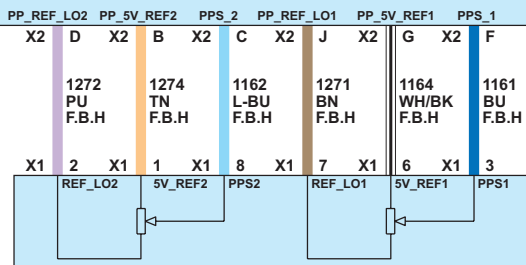
X1 16 MOT\_1

582  
BN  
P.T.H

X1 8 MOT\_2

Y38  
Actuator Asm  
Throt

## A111 TAC MODULE



1272  
PU  
F.B.H

X1 2 REF\_LO2

1274  
TN  
F.B.H

X1 1 5V\_REF2

1162  
L-BU  
F.B.H

X1 8 PPS2

1271  
BN  
F.B.H

X1 7 REF\_LO1

1164  
WH/BK  
F.B.H

X1 6 5V\_REF1

1161  
BU  
F.B.H

X1 3 PPS1

B22  
Sensor Asm  
Accel Ped Posn

UART\_A UART\_B

6981  
WH/RD  
P.T.H

X1 12 13

6982  
WH/BK  
P.T.H

X1 14 15

GND

450  
BK/RD  
P.T.H

X1 15

A111  
Module Asm  
Throt Actr Cont



A84  
Module Asm  
Pwrt Cont

CONTINUED ON  
SHEET 019

## A84 V8



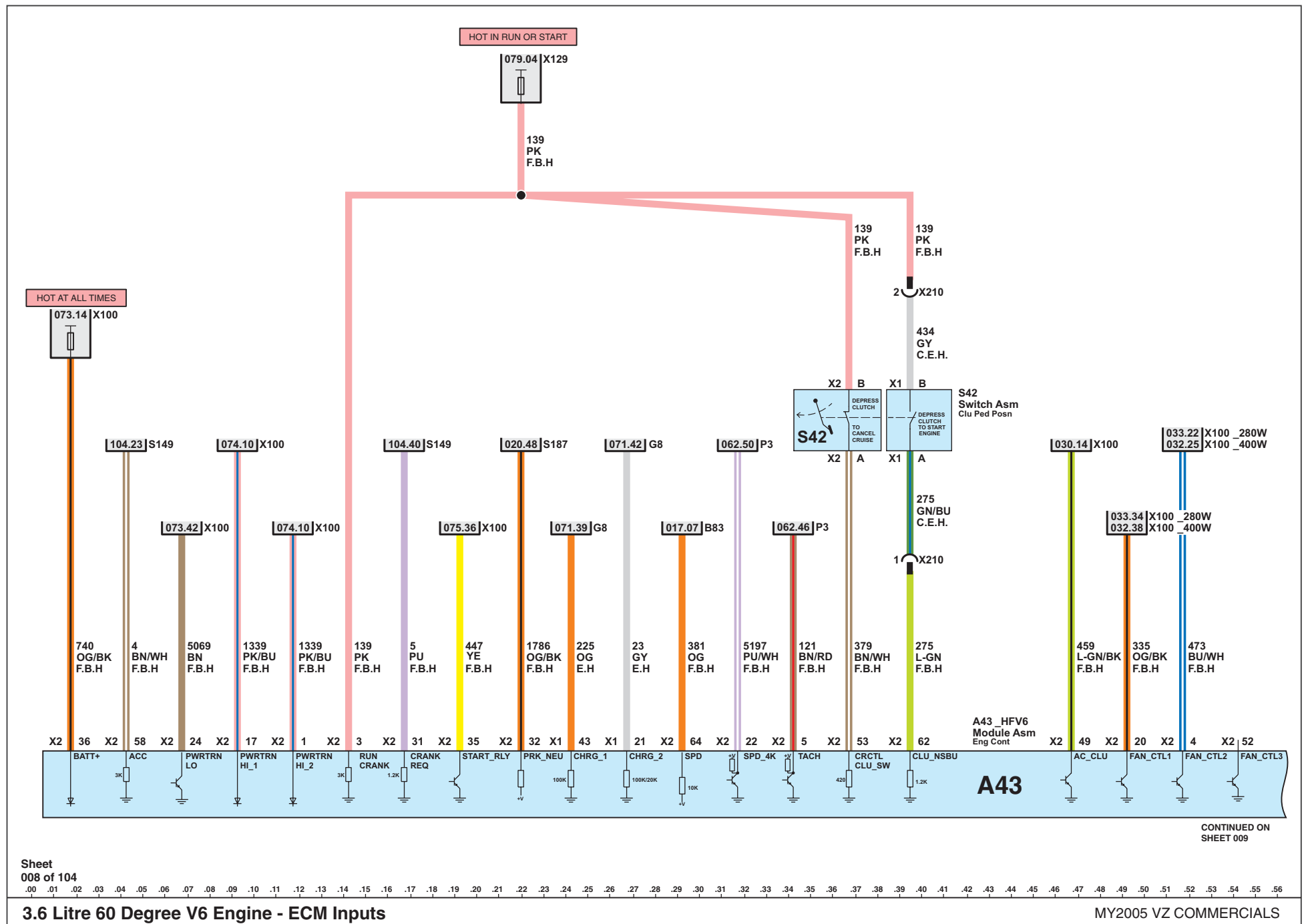
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007 of 104

Engine - Throttle Actuator

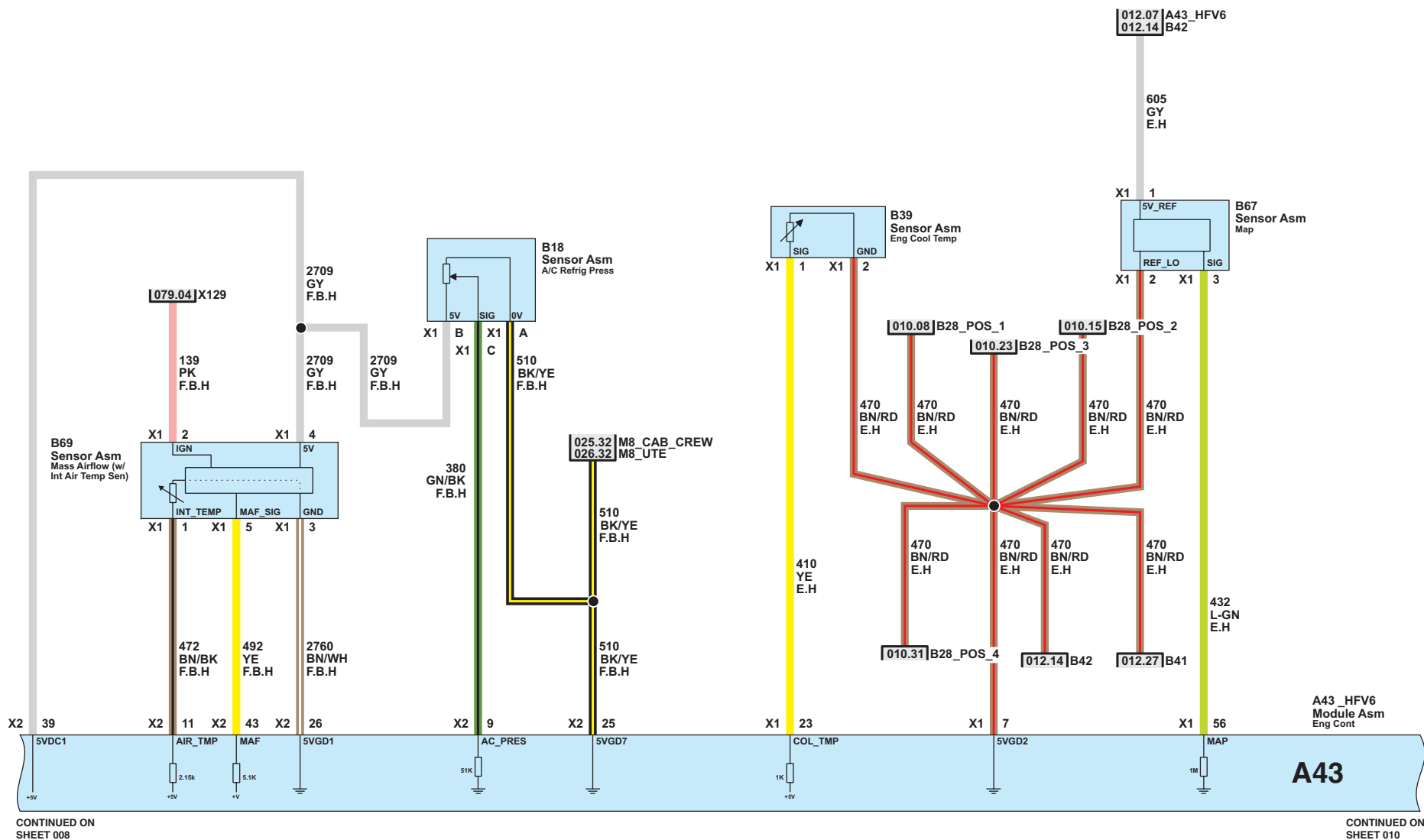
MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT007



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SHEET 009



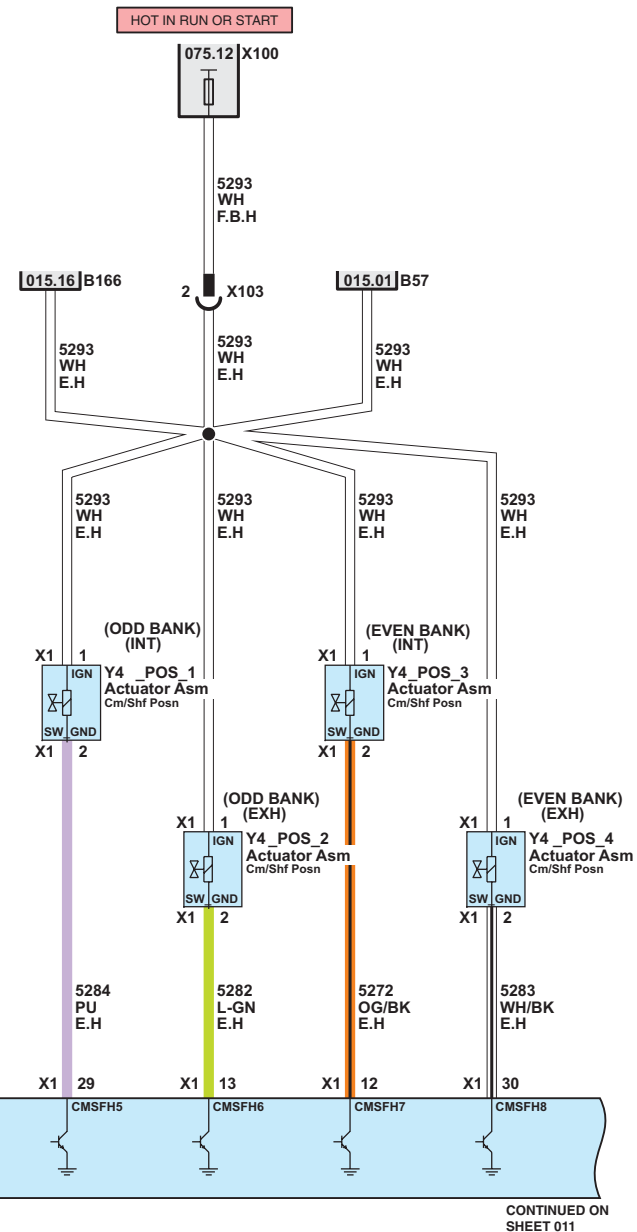


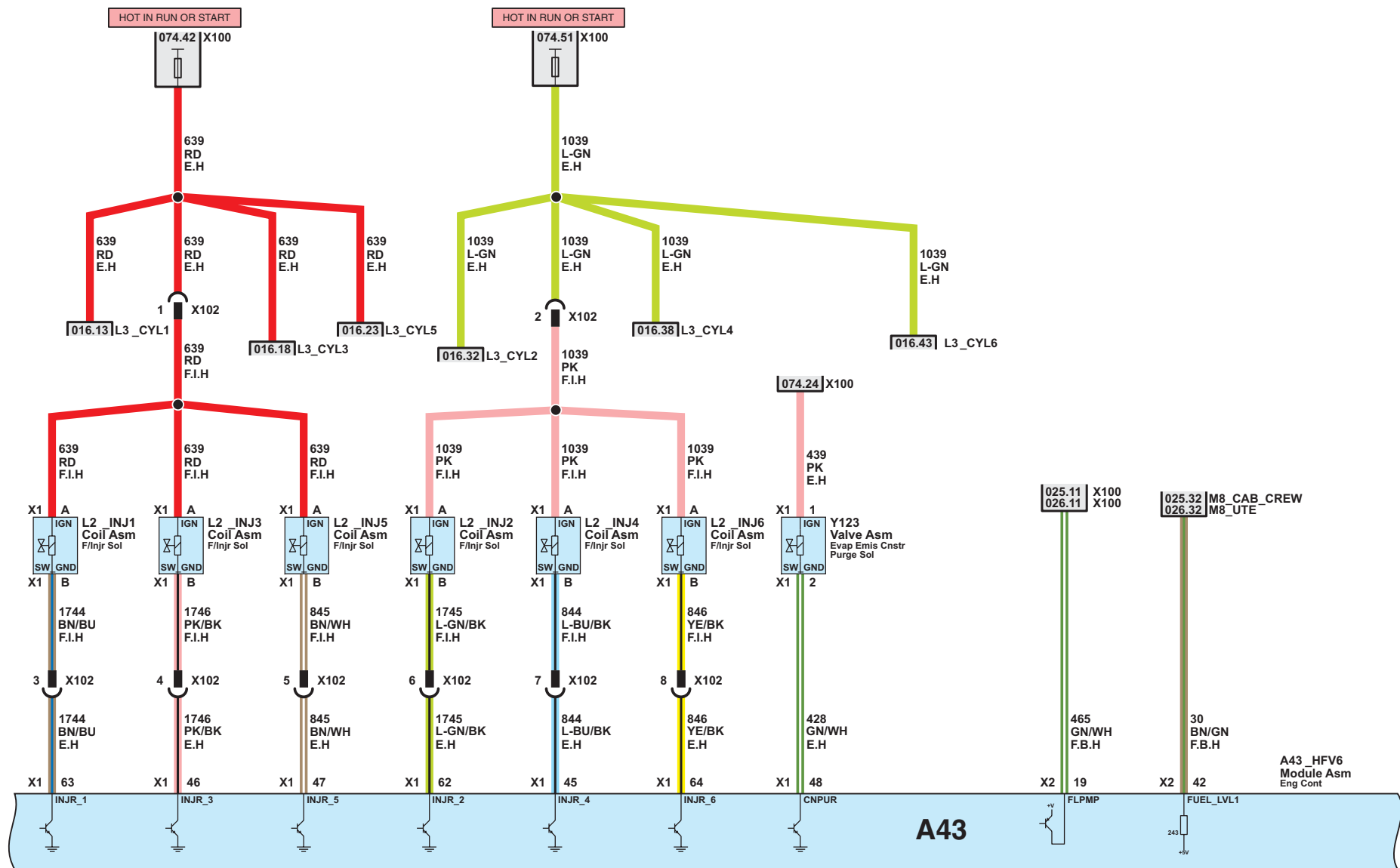
Sheet  
009 of 104

3.6 Litre 60 Degree V6 Engine - Air Flow & Temp Sensors

MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT009





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SHEET 010

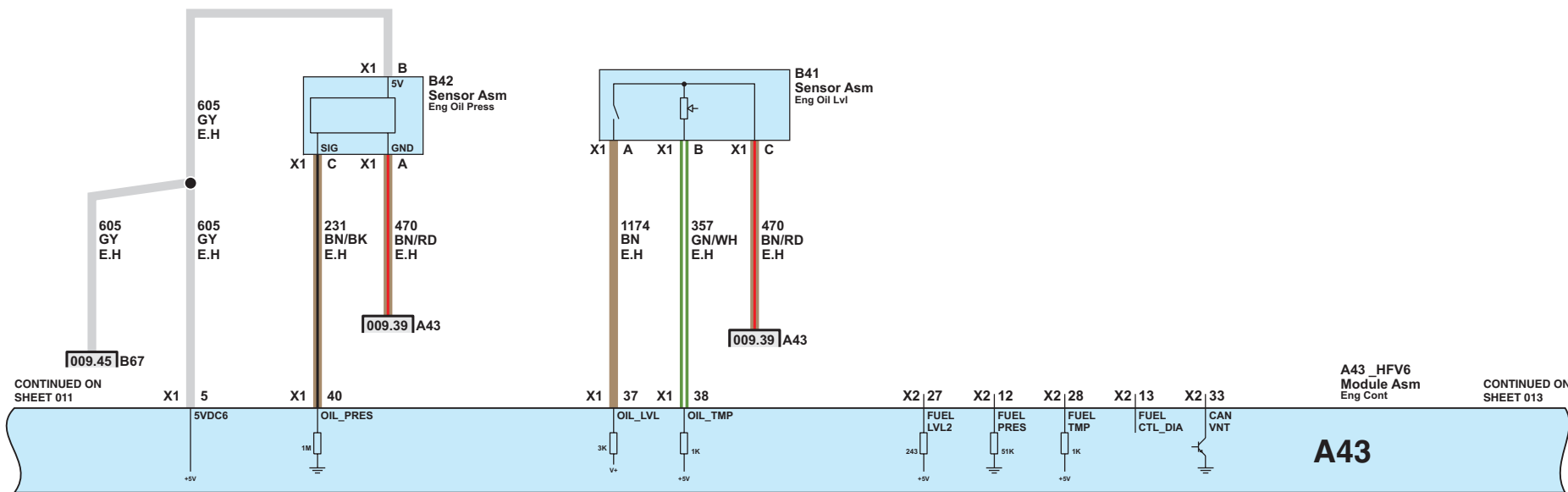
CONTINUED ON  
SHEET 012

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3.6 Litre 60 Degree V6 Engine - Fuel Injectors, Fuel Level & Fuel Control

MY2005 VZ COMMERCIALS

V05(AU)\_12PSHT011



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012 of 104

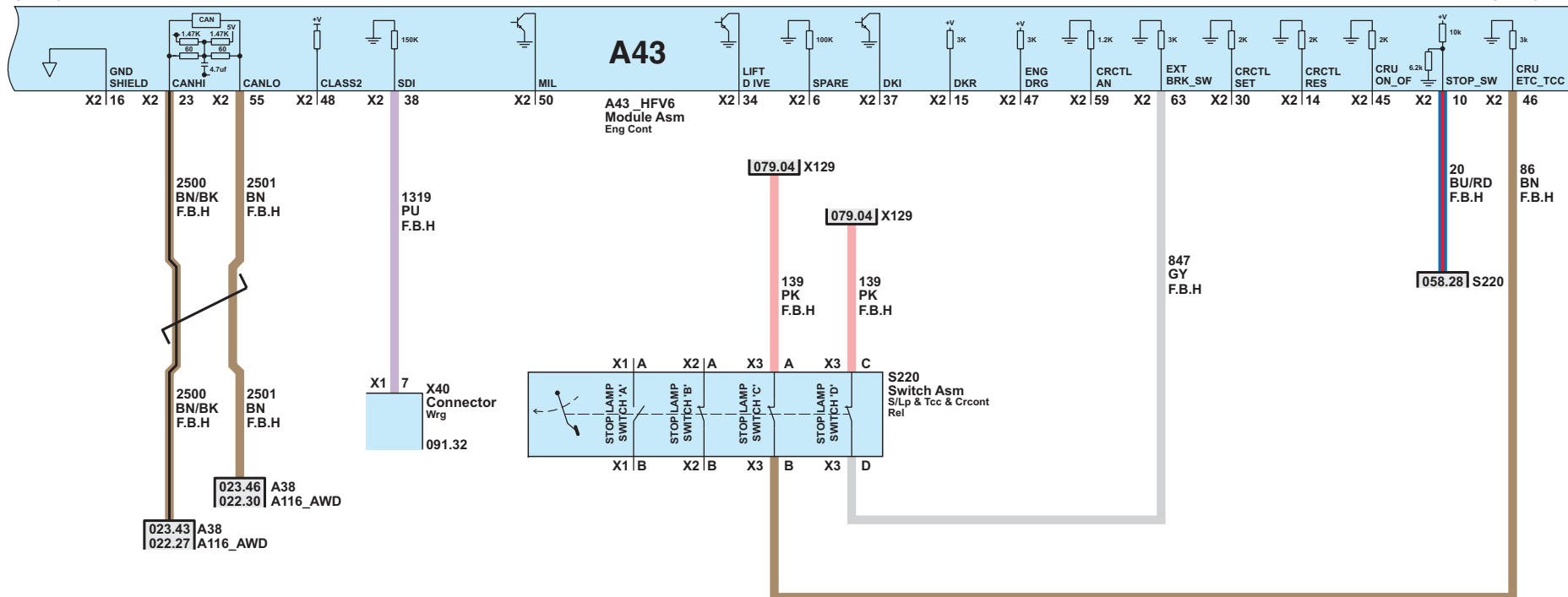
3.6 Litre 60 Degree V6 Engine - Engine Oil Sensors

MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT012

CONTINUED ON  
SHEET 012

CONTINUED ON  
SHEET 014



Sheet  
013 of 104

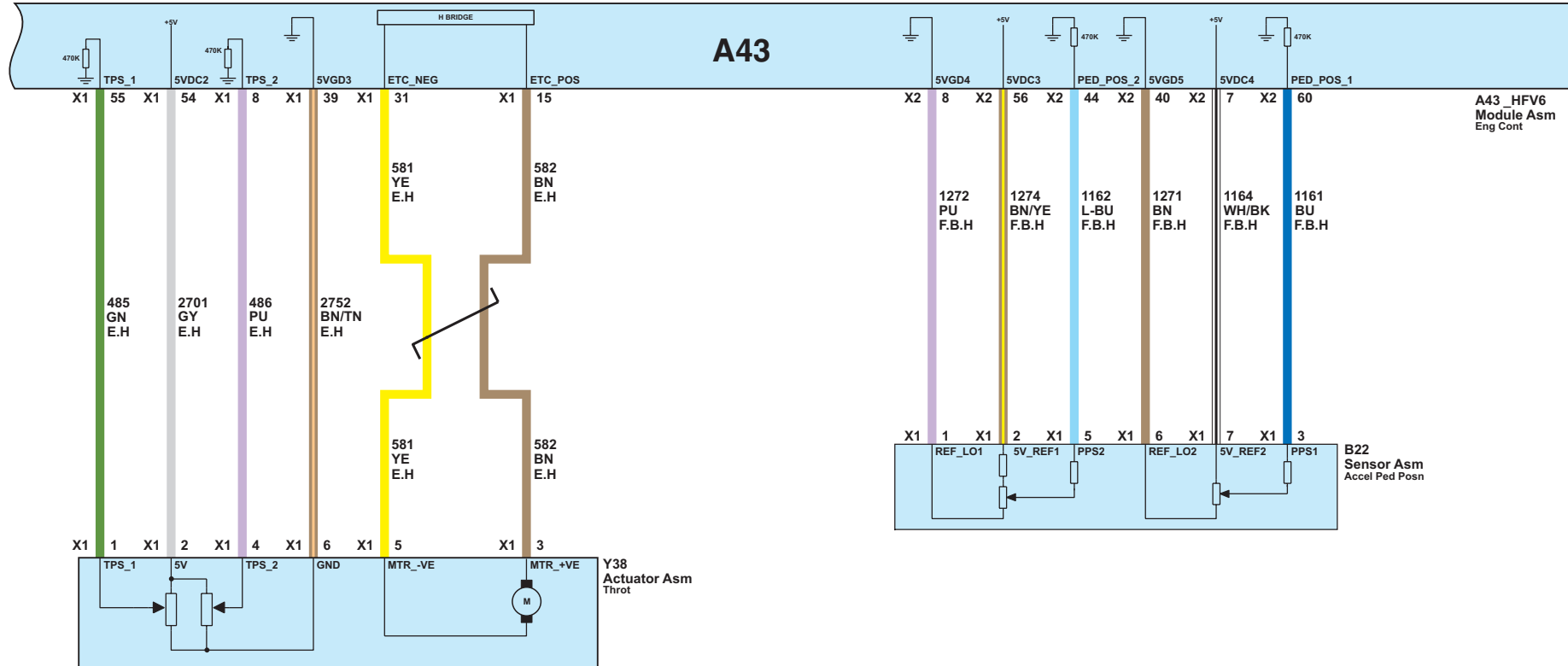
### 3.6 Litre 60 Degree V6 Engine - Communications & Cruise Control

MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT013

CONTINUED ON  
SHEET 013

CONTINUED ON  
SHEET 015



Sheet  
014 of 104

3.6 Litre 60 Degree V6 Engine - Throttle Actuator

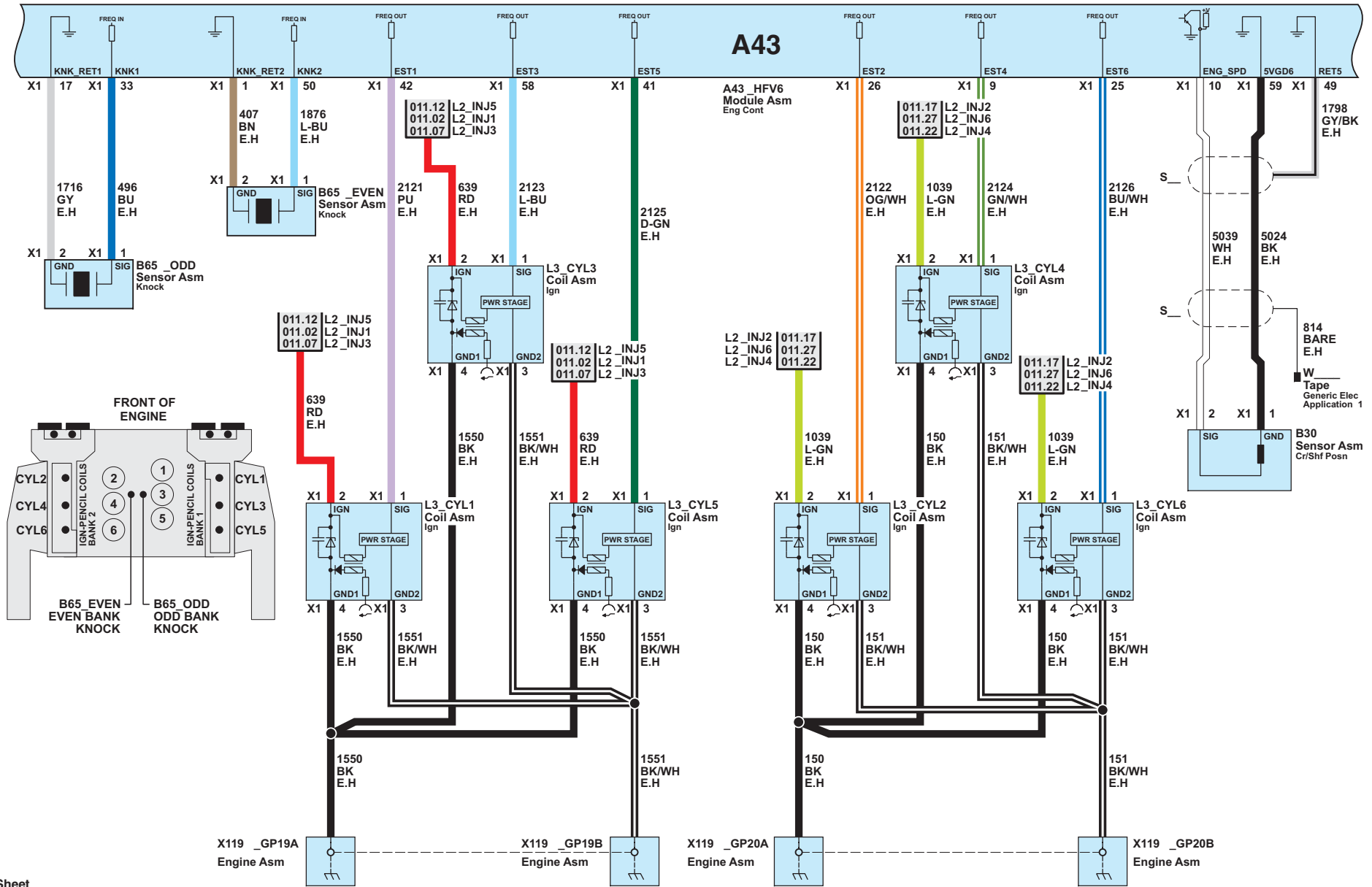
MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT014



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SHEET 015

CONTINUED ON  
SHEET 017



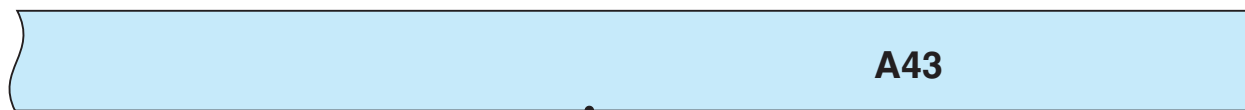
Sheet  
016 of 104

3.6 Litre 60 Degree V6 Engine - Ignition Coil Modules & Knock Sensors

MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT016

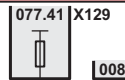




A43\_HFV6  
Module Asm  
Eng Cont

CONTINUED ON  
SHEET 016

HOT IN RUN OR START

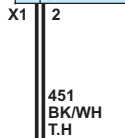
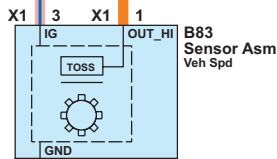


008.29 A43\_HFV6



339 PK/BU  
T.H

381 OG  
T.H



X119\_GP17  
Engine Asm



451 BK  
E.H

030.23 L7

X119\_GP18  
Engine Asm



451 BK/WH  
E.H

1 X104

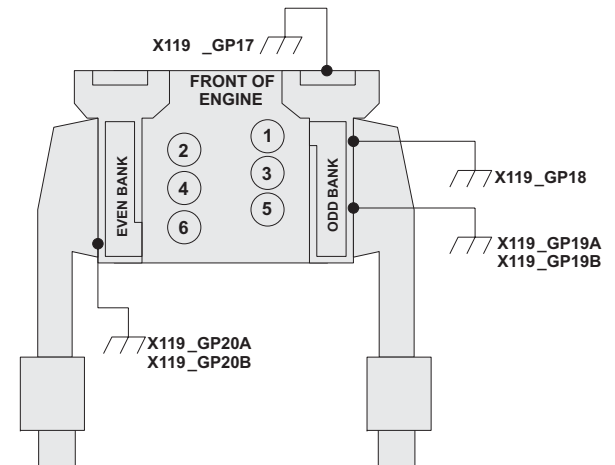
451 BK/WH  
E.H

030.30 V5

451 BK/WH  
T.H

017.05 B83  
020.54 A112  
020.48 S187  
055.45 S32

### ENGINE GROUND LOCATIONS



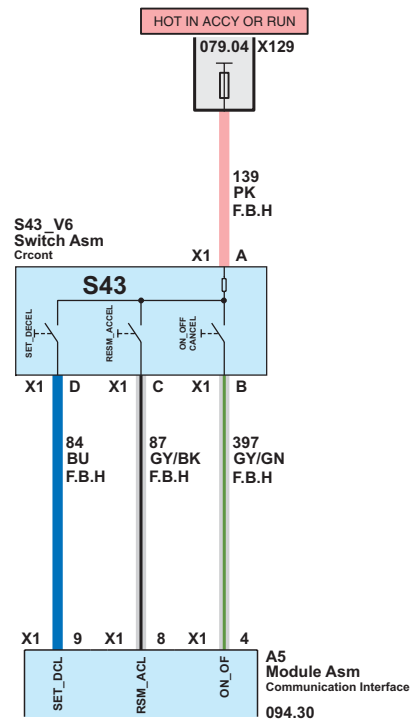
Sheet  
017 of 104

3.6 Litre Degree Engine - Manual Speed Sensor & Engine Earth Locations

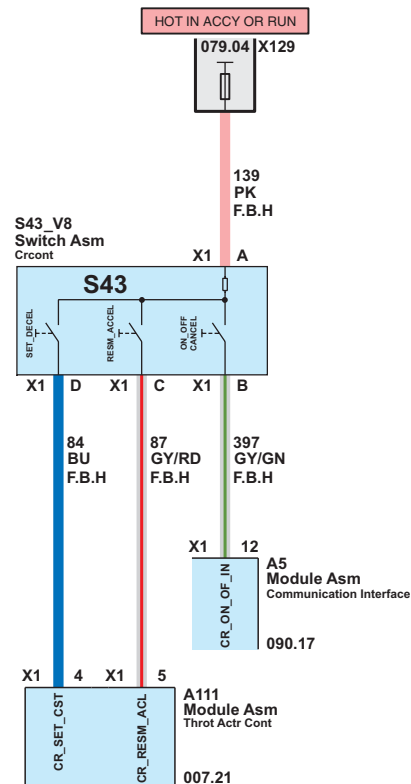
MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT017

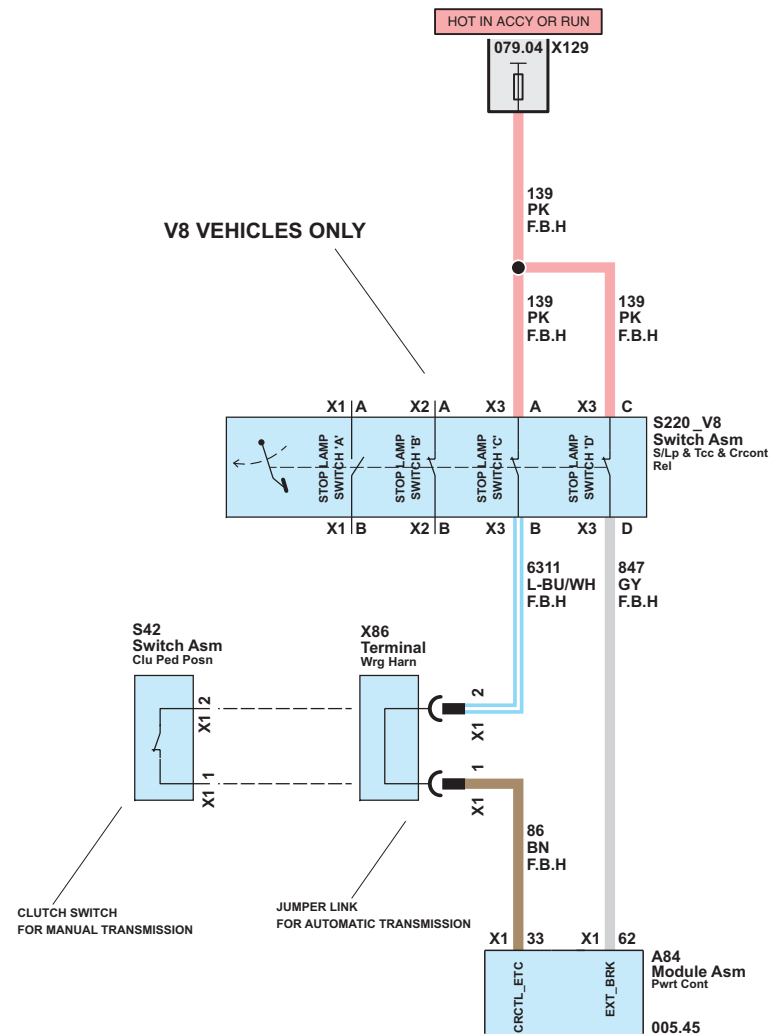
V6 VEHICLES ONLY



V8 VEHICLES ONLY



V8 VEHICLES ONLY



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Engine - Electrical (Cruise Opt)

MY2005 VZ COMMERCIALS

V05CM(AU)\_12PSHT018