

C11, C13, C15 ACERT**C11 - KCA, C13 - KCB, C15 - BXS, MXS, NXS**

Electronic Control Module (ECM) –
 -256-1159 (KCA, KCB, BXS),
 -262-2881 (MXS, NXS only)
 Speed/Timing Sensor
 - C11, C13 Cam Sensor – 201-6616
 - C15 (BXS) Cam Sensor – 201-6617
 - C15 (MXS) Cam Sensor – 201-6616
 - C11, C13 Crank Sensor – 201-6615 (pigtail)
 - C15 Crank Sensor – 191-8303 (Integral)
 Coolant/Fuel/Inlet Air Manifold Temp Sensor
 - 130-9811, 256-6453 (MXS/KCA/KCB)
 Boost Pressure Sensor – 239-3478, 248-2165,
 - 274-6718 (MXS/KCA/KCB)
 Atmospheric Pressure Sensor – 194-6722,
 - 248-2162, 274-6717 (MXS/KCA/KCB)
 Oil Pressure Sensor – 194-6725, 248-2167,
 - 274-6719 (MXS/KCA/KCB)
 VVA Oil Pressure Sensor (under valve cover)
 284-2728 (BXS, MXS, NXS)
 224-4535 (KCA1- 06123/KCB1- 39998)
 248-2168 (KCA06124- up/KCB399999-up)
 Coolant Diverter Valve (CDV)
 - C11/C13- 235-6364 (12v), 240-7340(24v)
 - C15, C18-244-2828 (12v), 244-2829 (24v)
 Pedal Mounted Throttle Position Sensor
 - 204-7949 - Long Pigtail
 - 160-2443 - Short Pigtail
 Smart Wastegate Solenoid – 228-0267

C7, C9 ACERT**C7 – KAL, SAP, WAX C9 – 9DG**

Electronic Control Module (ECM) – 240-5302
 Speed/Timing Sensor - 245-4630
 Coolant/Fuel/Inlet Air Manifold Temp Sensor
 - 130-9811, 256-6453
 Boost Pressure Sensor –
 - 161-1704, 248-2164, 276-6793
 Atmospheric Pressure Sensor –
 - 161-1703, 248-2162, 274-6717
 Oil Pressure Sensor –
 - 161-1705, 248-2167, 274-6719
 Pedal Mounted Throttle Position Sensor
 - 204-7949 - Short Pigtail
 - 160-2443 - Long Pigtail
 Smart Wastegate Solenoid - 228-0267

PEEC II.V Current Parts**PEEC - 8TC and 2EK - FORD Only**

ECM - 9X5383
 Transducer Module–247-1804 Speed Sensor–193-5518
 Rack Sensor - 9X7793
 Timing Sensor - 129-4501
 BTM - 105-2939
 Throttle Position Sensor
 Remote Mounted “Beer Can” Sensor - 9X9648
 Pedal Mounted Throttle Position Sensor–219-2384
 Remote Mounted Oil Pressure Sensor Kit-122-1649
 If the engine (2EK and 5YG) has had the White
 Smoke Product Support Program performed.
 6I2382 - Wiring Harness
 2667192– Temperature

PEEC II Current Parts

PEEC II - 8TC, 5YG and 2EK
 ECM – 8C9988
 Transducer Module – 247-1804
 Speed Sensor – 193-5518
 Rack Sensor - 9X7793
 Timing Sensor - 129-4501
 BTM - 105-2939
 Throttle Position Sensor
 - Remote Mounted “Beer Can” Sensor –
 9X9647
 - Pedal Mounted Throttle Position Sensor
 219-2384
 Remote Mounted Oil Pressure Sensor Kit-122-1649
 If the engine (2EK and 5YG) has had the White
 Smoke Product Support Program performed. The
 following parts will be installed:
 6I2382 - Wiring Harness
 266-7192- Temperature

3406C PEEC Electronic Current Parts**3406C - 4CK**

ECM - 9X8085
 Transducer Module – 247-1804
 Speed Sensor - 193-5518
 Rack Sensor - 9X7793
 Timing Sensor - 129-4501
 BTM - 105-2939
 Coolant Temperature Sensor - 102-2240
 Pedal Mounted Throttle Position Sensor - 219-2384
 Remote Mounted Oil Pressure Sensor Kit - 118-6256
 Vehicle Speed Buffer - 3E0020 (same for PEEC II)

Tech Tips- Reference Truck Electronics PN's PEEC thru 2006 (Feb2007)

Troubleshooting Guide Listing Prefixes (*Serial Number*)

SENR9517 C7, (KAL, SAP)
 SENR9517 C9, (9DG)
 RENR7561 C9, (MTB - Transit Bus)
 SENR9698 C11, (KCA)
 SENR9698 C13, (KCB)
 SENR9698 C15, (BXS)
 RENR5088 C15, (MXS)
 RENR2238-04 C-10, C-12, C-15, C-16,
 C-18 & 3406E (1MM, 2KS, 2WS, 3CS,
 6NZ, 7CZ, CPD)
 RENR1328-02 C-10, C-12 & 3406E
 (5DS, 8YS, 9NS, 1LW)
 SENR5582-06 3176B, C-10, C-12 &
 3406E
 (5EK, 9CK, 1YN, 2PN, 6TS)
 SENR5503-00 3406C (PEEC III) (4CK)
 SENR3479-05 3406B (PEEC II)
 (2EK, 5YG, 8TC)
 SENR3913-04 3176 (2YG)
 SENR5112-01 3176 (7LG)
 RENR1367-04 3126B, 3126E
 (7AS, 8YL, 8SZ, BKD,
 1AJ,CKM, 9SZ, HEP)
 SENR6566-03 3100 HEUI 8W
 (1WM, 4ES, 2CW, 8HW, 7LZ)

**Note: Always consider SIS the best
 source for current information.**

3126E Electronic Control and Sensors

ECM (3126E Basic & Full Feature) 240-5303

Coolant temperature Sensor - 130-9811

O-Ring Seal 6V6609

Inlet Manifold temperature Sensor - 130-9811

O-Ring Seal 8L2786

Speed/Timing Sensors – 245-4630

O-Ring Seal 117-1385

Atmospheric Pressure Sensor - 194-6722

O-Ring Seal 6V5049

Boost Pressure Sensor - 194-6723

O-Ring Seal 3J7354

Injection Actuation Pressure Sensor–224-4536

O-Ring Seal 1J9671

Pedal Position Sensor - 204-7949

Injector Wiring Harness - 153-8920

Wire Router - 126-1774

3116 HEUI & 3126 HEUI — 8WL & 1WM

ECM – 145-7807

- ECM Connector Bolt Kit – 6V6703

- 40 Pin Plug Assembly – 114-4408

- 40 Pin Connector Seal – 110-6844

Speed/Timing Sensor Service Kit – 245-4630

Includes 117-1385 O-Ring Seals

Inlet Air Temperature Sensor – 107-8618

Requires 3K0360 Seal

Coolant Temperature Sensor – 106-0735

Requires 3K0360 Seal

Boost Pressure Sensor – 161-9927

- Male/Male Adapter – 9X0262 & 3J7354 Seal

Injection Actuation Pressure Sensor – 167-1709

Requires 108-5803 Seal

Injection Actuation Pressure Control Valve 122-5053

Seal Kit 9X1484

Throttle Position Sensor – 204-7949

Transfer Pump to Hydraulic Pump O-Ring 004-1963

Hydraulic Pump Dome O-Ring – 6V5656

Other 3116 HEUI & 3126 HEUI Parts

123-1199 Seal for Injector and IAPCV Connectors

156-7104 Service Replacement Harness

40 pin to Injectors

122-8840 Service Replacement Harness

40 pin to Speed/Timing Sensor

122-8842 Service Replacement Harness

40 pin to IAPCV

122-8839 Service Replacement Harness

40 pin to all other sensors

156-7106 Injector Wiring Harness Connector Kit

143-8325 Injection Actuation Pressure Sensor Guard

C-10 – 2PN & 8YS, C-12–1YN & 9NS,**3176B – 9CK , 3406E–5EK, 6TS, 1LW, 5DS**

Electronic Control Module (ECM) – 212-9450

ECM with J1939 Data Link Option 212-9449

Speed/Timing Sensor

3406E – 265-9033 Sensor

126-8481 Shim (0.020")

C-10, C-12 & 3176B –

265-9033 Sensor No Shim

Coolant/Fuel Temperature Sensor - 102-2240

Air Inlet Temperature Sensor - 107-8618

Boost Sensor - CRB 161-9927

Atmospheric Pressure Sensor

111-8125 ->161-9925 -> 194-6722

Oil Pressure Sensor - CRB 161-9930

Pedal Mounted Throttle Position Sensor-204-7949

3176 - 7LG

ECM - 3E5293

Transducer Module - 9X8226 / 0R6132

Altitude Retrofit - 3E8644 / 0R6470

Speed Timing Sensor – 265-9034

Oil Pressure Sensor

- “DT” Connector 7LG08721 and U 161-9930

- “HD” Connector 7LG07500 to 7LG08720

163-8516

Coolant / Inlet Air Temperature Sensors

- Full Range - 7LG07500 and Up - 102-2240

- Limited Range - 7LG00001 to 7LG07499- 266-7192

Receptacle 8T8732

- Vehicle Speed Buffer - 3E0020

Remote Mounted Throttle position Sensor –

9X9647 FORD - 9X9648

Pedal Mounted Throttle Position Sensor-219-2384

3176 - 2YG

ECM – 3E5293/ 0R6149

o ECM FORD - 3E5293

Transducer module - 9X8226 / 0R6132

Harness - 7E8421

Speed/Timing Sensor – 265-9034

Fuel Pressure Sensor – 163-8516

Coolant Temperature Sensor – 266-7192 Receptacle

8t8732

Vehicle Speed Buffer - 3E0020

Remote Mounted Throttle position Sensor –

9X9647 - FORD - 9X9648

Pedal Mounted Throttle Position Sensor - 219-2384

C-10, C-12, C-15 Oct '02 Production**C-10 – MBJ, C-12 – MBL, C-15 – MBN**

Electronic Control Module (ECM) – 240-5303

Speed/Timing Sensor

- C-10, C-12 Cam Sensor – 189-9801

(194-5340 Service only)

- C-15 Cam Sensor – 188-7513

(194-5341 Service only)

- C-10, C-12 Crank Sensor – 188-7511

(194-5338 Service Only)

- C-15 Crank Sensor – 189-9266

(194-5339 Service Only)

Coolant/Fuel/Inlet Air Manifold Temp Sensor

130-9811

Boost Pressure Sensor – 161-1704

Atmospheric Pressure Sensor – 161-1703

Oil Pressure Sensor – 161-1705

Pedal Mounted Throttle Position Sensor

204-7949 - Long Pigtail

160-2443 - Short Pigtail

Smart Wastegate Solenoid – 228-0267

C-10, C-12, C-15, C-16 & 3406E

'99 Model Year to September '02

C-10-3CS, C-12-2KS, & 3406E-2WS (14L)

- 1MM (16L), C-15-6NZ, C-16-7CZ

Electronic Control Module (ECM)

6NZ70120 and Below – 240-5307

7CZ03312 and Below - 209-9587

3CS27824 and Below - 209-9587

2KS90518 and Below - 209-9587

Above these SNs – 240-5303

Speed/Timing Sensor

- C-10, C12 Cam Sensor – 189-9801

(194-5340 Service Only)

- 3406E Cam Sensor – 188-7513

(194-5341 Service Only)

- C-10, C-12 & 3406E Crank Sensor - 188-7511

(194-5338 Service Only)

- 189-9266 (194-5339 Service Only)

Coolant/Fuel/Inlet Air Manifold Temp Sensor

130-9811

Boost Pressure Sensor - 194-6724

Atmospheric Pressure Sensor 194-6722

Oil Pressure Sensor - 194-6725

Pedal Mounted Throttle Position Sensor

204-7949 - Long Pigtail