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 Model: NO EQUIPMENT SELECTED
 Configuration: NO EQUIPMENT SELECTED

Technical Information Bulletin**Primary Engine Speed Sensor Malfunctioning, Shorted, Open Circuit {1907, 1912}**

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Caterpillar: Confidential Yellow

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Primary Engine Speed Sensor Malfunctioning, Shorted, Open Circuit {1907, 1912}

SMCS - 1907; 1912

Articulated Truck

725 (S/N: B1L1-UP)
 730 (S/N: WWB1-UP; B1M1-UP)
 730 EJECTOR (S/N: B1W1-UP)
 730C (S/N: T281-UP; LFF1-UP; TFF1-UP)
 730C2 (S/N: 2T41-UP; 2L71-UP)
 730C2 EJ (S/N: 2T51-UP; 2L81-UP)
 735 (S/N: B1N1-UP)
 735B (S/N: L4D1-UP; T4P1-UP; E4R1-UP)
 735C (S/N: LFJ1-UP; TFJ1-UP)
 740 (S/N: DTX1-UP)
 740B (S/N: L4E1-UP; GLH1-UP; T4R1-UP; E4S1-UP)
 740B EJECTOR (S/N: L4F1-UP; T4S1-UP)
 740C EJECTOR (S/N: LFN1-UP; TFN1-UP)
 745 (S/N: 3F61-UP; 3T61-UP)
 745C (S/N: JE81-UP; JE91-UP; LFK1-UP; TFK1-UP)

Cold Planer

PM620 (S/N: JB91-UP)
 PM622 (S/N: JFC1-UP)

Electric Power Generation

C13GENSET (S/N: CE31-UP; NH31-UP; DH41-UP; NH41-UP; GB71-UP; X3M1-UP)
 C15 PET GEN SET (S/N: LWR1-UP)
 C18 MAR GENSET (S/N: SSM1-UP; SSW1-UP)
 C27 PET GEN SET (S/N: EGG1-UP)

XQ375 (S/N: X3F1-UP)
XQP500 (S/N: XP21-UP; XP51-UP)

Engine

3508 (S/N: 5XM1-UP)
C13 (S/N: KJE1-UP; LEE1-UP; EMF1-UP; N3F1-UP; KWJ1-UP)
C15 (S/N: MG21-UP; BS91-UP; KRA1-UP; TRB1-UP; N5F1-UP; LDN1-UP; JEP1-UP; SDP1-UP; B5R1-UP)
C18 (S/N: BE21-UP; BG41-UP; TNA1-UP; GTB1-UP; N8F1-UP; BDN1-UP; T2R1-UP; ZPS1-UP; PHW1-UP; GEX1-UP)

Excavator

345C (S/N: TBA1-UP; FPC1-UP; MDC1-UP; SPC1-UP; ESD1-UP; MTE1-UP; WDE1-UP; GBH1-UP; GPH1-UP; TAJ1-UP; A3L1-UP; GCL1-UP; S5M1-UP; RFN1-UP; SCN1-UP; DHP1-UP; JAR1-UP; M2R1-UP; D3S1-UP; ELS1-UP; LYS1-UP; PJW1-UP; BWY1-UP)
345D (S/N: DPA1-UP; BYC1-UP; HLC1-UP; RGD1-UP; RAE1-UP; YEE1-UP; NEG1-UP; RGG1-UP; EEH1-UP; KFH1-UP; RAJ1-UP; MLK1-UP; NLM1-UP; JKN1-UP; FES1-UP; PBT1-UP; BYW1-UP; LKY1-UP)
349D (S/N: FLA1-UP; JGB1-UP; WTD1-UP; GKF1-UP; NNF1-UP; PZG1-UP; KLH1-UP; RBJ1-UP; MEN1-UP; KHS1-UP)
349D2 (S/N: FH31-UP; CE41-UP; FE51-UP; XAC1-UP; PFD1-UP; YAE1-UP; ZAE1-UP; YAG1-UP; TAH1-UP; SDM1-UP; RAN1-UP; GAX1-UP)
349E (S/N: FJB1-UP; ETC1-UP; DGE1-UP; FKF1-UP; SPG1-UP; TFG1-UP; RGH1-UP; KCN1-UP; MZW1-UP; KFX1-UP; MPZ1-UP; WHZ1-UP)
349F (S/N: BZ21-UP; FH21-UP; KEA1-UP; HLB1-UP; HPD1-UP; SFG1-UP; RAX1-UP)
352F (S/N: SD21-UP; TS21-UP; NDC1-UP; YEG1-UP; A9J1-UP; XAL1-UP; KBP1-UP; MDR1-UP)
374F (S/N: AT21-UP; AP41-UP; EBF1-UP; NFJ1-UP; MFL1-UP; DNM1-UP)
390F (S/N: HJD1-UP; TYE1-UP; MGF1-UP; FEH1-UP; HSM1-UP; GAY1-UP)

Generator Set

C15 GEN SET (S/N: AR21-UP; GB31-UP; CE51-UP; LNA1-UP; LZA1-UP; T4A1-UP; ZKA1-UP; L8B1-UP; PEC1-UP; C5E1-UP; STG1-UP; C5H1-UP; LXJ1-UP; C5L1-UP; NKL1-UP; X5M1-UP; NAP1-UP; X4R1-UP; SNW1-UP; CYY1-UP)
C18 GEN SET (S/N: AR31-UP; LNB1-UP; LZB1-UP; C6C1-UP; G4C1-UP; N1C1-UP; L8D1-UP; N1D1-UP; STD1-UP; DKE1-UP; PEE1-UP; X5F1-UP; PEJ1-UP; L XK1-UP; NKK1-UP; STM1-UP; EKW1-UP; NAW1-UP; T4X1-UP; M1Y1-UP; M1Z1-UP)
C27 GEN SET (S/N: 2A31-UP; N1B1-UP; GDS1-UP; T4Z1-UP)
C32 (S/N: BT41-UP; WJD1-UP)
C32 GEN SET (S/N: K7C1-UP; NRC1-UP; JSJ1-UP; JAZ1-UP)
C9 GEN SET (S/N: LX91-UP; C9E1-UP)

Hydraulic Shovel

6015B (S/N: FKD1-UP; LWN1-UP; WSN1-UP)
6020B (S/N: DNR1-UP)
6030 (S/N: TWM1-UP)

Industrial Engine

C11 INDUSTRIAL (S/N: P891-UP; HRA1-UP; GLS1-UP)
C13 IND (S/N: JR91-UP)
C13 INDUSTRIAL (S/N: RRA1-UP; LGK1-UP)
C15 IND (S/N: JRE1-UP; MCW1-UP)
C18 INDUSTRIAL (S/N: WJH1-UP; WRH1-UP)
C27 (S/N: AT41-UP)
C27 INDUSTRIAL (S/N: JFJ1-UP; RAM1-UP)

C32 INDUSTRIAL (S/N: TLD1-UP; NST1-UP)

Landfill Compactor

826K (S/N: 2321-UP; SET1-UP)

836K (S/N: LWZ1-UP; TWZ1-UP)

Load Haul Dump

R1600G (S/N: 9PP1-UP; 9YZ1-UP)

R1600H (S/N: 9SD1-UP)

R1700G (S/N: XBR1-UP)

R1700K (S/N: KT41-UP)

Locomotive Engine

C27 LOCO (S/N: WJC1-UP)

Marine Engine

C13 MARINE (S/N: C3Z1-UP)

C18 MARINE (S/N: JHL1-UP; DTP1-UP)

C32 MARINE (S/N: RSD1-UP; RPM1-UP; SDN1-UP)

C32 MARINE GS (S/N: DSJ1-UP; RTK1-UP)

Material Handler

MH3295 (S/N: PA91-UP)

Mobile Hydraulic Power Unit

336D MHPU (S/N: L5K1-UP)

345C MHPU (S/N: L5B1-UP; M3E1-UP; M3F1-UP; NRF1-UP; B6N1-UP)

345D MHPU (S/N: P5D1-UP; L5R1-UP)

349D MHPU (S/N: DKN1-UP; MCX1-UP)

349D2 MHPU (S/N: P271-UP)

349E MHPU (S/N: JAE1-UP; S3P1-UP)

352FMHPU (S/N: B381-UP)

374F MHPU (S/N: DP41-UP; H251-UP)

390F MHPU (S/N: B371-UP; H271-UP)

Motor Grader

14M (S/N: B9J1-UP; R9J1-UP)

14M Series 3 (S/N: E9S1-UP; N9S1-UP)

16M (S/N: B9H1-UP; R9H1-UP)

16M Series 3 (S/N: E9Y1-UP; N9Y1-UP)

18M Series 3 (S/N: N9A1-UP; E9W1-UP)

OEM Excavator Based Specialty Solution

352F OEM (S/N: B361-UP)

374F OEM (S/N: FH91-UP; P4L1-UP)

390F OEM (S/N: N641-UP; PT71-UP; P4J1-UP)

Off-Highway Truck/Tractor

770G (S/N: RMA1-UP; TWA1-UP; KDH1-UP; ECM1-UP; ECX1-UP)

772 (S/N: RLB1-UP)

772G (S/N: LTS1-UP; KEX1-UP; LTX1-UP)

773F (S/N: EED1-UP; EXD1-UP)

777B (S/N: 4YC1-UP)

777C (S/N: 4XJ1-UP)

777D (S/N: AGC1-UP; FKR1-UP; 3PR1-UP)

777E (S/N: KDP1-UP)

777F (S/N: WTK1-UP; JRP1-UP; JXP1-UP)

777G (S/N: GT71-UP; T5A1-UP; TNM1-UP; RDR1-UP; T4Y1-UP)

OEM POWERTRAIN (S/N: DTE1-UP)

On-Highway Transmission

CX28 (S/N: TBB1-UP; K3X1-UP; T3X1-UP)

Petroleum Engine

C11 PETROLEUM (S/N: B5K1-UP; B5Z1-UP)

C13 PETROLEUM (S/N: A5K1-UP; A5Z1-UP)

C15 PET GS ENG (S/N: PET1-UP)

C27 PETROLEUM (S/N: NAR1-UP)

C32 PETROLEUM (S/N: SDK1-UP)

Petroleum Power Train Package

C15 KNOCKDOWN K (S/N: 1151-UP)

C18 KNOCKDOWN K (S/N: 1881-UP)

CX31-P600-C11I (S/N: PDY1-UP)

CX31-P600-C13I (S/N: PDJ1-UP; PDN1-UP)

CX31-P600-C18I (S/N: PDC1-UP)

CX35-P800-C18I (S/N: PCF1-UP)

TH35-C11I (S/N: PBZ1-UP)

TH35-C13I (S/N: PBY1-UP)

TH35-C13T (S/N: PBW1-UP)

TH35-C15T (S/N: PBL1-UP)

Petroleum Transmission

TH35-E81 (S/N: TZM1-UP)

Pipelayer

PL83 (S/N: CB21-UP; DLW1-UP)

PL87 (S/N: TEC1-UP; ZAC1-UP)

Power Train

C18 TR43M44 OEM PKG (S/N: HTX1-UP)

PS C11 (S/N: PM21-UP)

Quarry Truck

773G (S/N: MWH1-UP; JWS1-UP; T5S1-UP; T5T1-UP)

775F (S/N: EYG1-UP; DLS1-UP)

775G (S/N: T5F1-UP; RFM1-UP; MJS1-UP; T5W1-UP)

Reclaimer Mixer

RM-300 (S/N: BWR1-UP)

RM500B (S/N: MB91-UP)

Rotary Drill

MD6420C (S/N: DS91-UP; DW91-UP)

Soil Compactor

825K (S/N: 2331-UP; SEE1-UP)

Telehandler

TH220B (S/N: SLA1-UP)

Track Drills

MD5125 (S/N: SEZ1-UP)

MD5150C (S/N: SEY1-UP)

Track-Type Tractor

D10N (S/N: 3SK1-UP)

D10T2 (S/N: RAB1-UP; JJW1-UP)

D11T (S/N: AMA1-UP; MDG1-UP; JEL1-UP; JNS1-UP)

D8N (S/N: 9TC1-UP; 1XJ1-UP; 5TJ1-UP; 7TK1-UP)

D8R (S/N: JR81-UP; DWJ1-UP)

D8T (S/N: MB81-UP; FMC1-UP; MLN1-UP; FCT1-UP; JET1-UP)

D9T (S/N: TWG1-UP; REX1-UP)

Underground Articulated Truck

AD22 (S/N: MW51-UP)
AD55B (S/N: JNW1-UP)
AD60 (S/N: KNW1-UP; NNW1-UP)

Wheel Dozer

824K (S/N: 2341-UP; RWB1-UP)
834K (S/N: LWY1-UP; TWY1-UP)
844K (S/N: MBE1-UP; KLS1-UP)
854K (S/N: 2211-UP; KK31-UP; RM31-UP; H9K1-UP; H8M1-UP)

Wheel Loader

966H (S/N: BJ61-UP; BS61-UP; A6D1-UP; RYF1-UP; A6G1-UP; A6J1-UP; TAL1-UP; CYR1-UP; FMW1-UP)
972H (S/N: GTA1-UP; WLA1-UP; LCC1-UP; A7D1-UP; NPE1-UP; A7G1-UP; A7J1-UP; WXZ1-UP)
980C (S/N: 63X1-UP)
980F (S/N: 8CJ1-UP)
980K (S/N: W7K1-UP; NEP1-UP; GTZ1-UP)
980L (S/N: D8Z1-UP)
980M (S/N: MK21-UP; MGD1-UP; KRS1-UP; N8T1-UP)
982M (S/N: F9A1-UP; LRS1-UP; K1Y1-UP)
986H (S/N: 9861-UP; L8S1-UP)
986K (S/N: MH81-UP)
988H (S/N: BXY1-UP)
988K (S/N: LWX1-UP; TWX1-UP)
990K (S/N: DJK1-UP; A9P1-UP)
991K (S/N: 5301-UP)
992K (S/N: 8801-UP; KK21-UP; RM21-UP; H4C1-UP; ZMX1-UP)
993K (S/N: LWA1-UP; Z4D1-UP; Z9K1-UP; Z4Z1-UP)

Wheel Tractor-Scraper

621H (S/N: DBK1-UP; HKK1-UP; NYY1-UP; EAZ1-UP)
621K (S/N: WTA1-UP; WTE1-UP; WTL1-UP; WTP1-UP)
623H (S/N: EJD1-UP; DBF1-UP)
623K (S/N: WTB1-UP; WTM1-UP)
627H (S/N: LCT1-UP; DBW1-UP)
627K (S/N: WTC1-UP; WTN1-UP)
631K (S/N: WT61-UP; WTR1-UP; WTW1-UP)
637K (S/N: WTS1-UP; WTT1-UP; WTX1-UP)

Wheeled Excavator

W345C (S/N: R5K1-UP)

Introduction

The problem that is identified below does not have a known permanent solution. Until a permanent solution is known, use the solution that is identified below.

Problem

Primary speed sensor **279-9828** Speed Sensor Gp shorted, open circuit, or pins broken. Sensor returned have been no fault found. More details for claim stories are being requested to support investigation.

Solution

Retain failed parts and check Send-It-Back (SIB) for an open Parts Return Request (PRR). During warranty claim processes include the following.

1. Active or logged code at time of failure. Attached Product Status Report (PSR) to claim
2. As found conditions (exact description cut, worn, burned etc.)
3. Provide images of damage.
4. Communicate if part was replaced or repair
5. If repaired, at what location did the repair occur (Sensor side or engine harness side).

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