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Author: SJOHN274
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Market(s):

Area Code	Geo Sales Area	Date of Activation	Date of Deactivation
EU	RUS	07/26/2013	08/07/2013
NA	***	07/12/2013	02/15/2016

Title:

Multi-Vehicle Gasoline Engine Failure Analysis And Tips - Job Aid Release

Text:

A job aid titled "Engine Failure Analysis and Tips" is now available on the PTS web site under the Service Tips tab for 1997-2013 vehicles equipped with a gasoline engine. The information provided in this job aid can assist in identifying the root cause for difficult to diagnose gasoline engine failures and drivability concerns. When used in conjunction with the work shop manual, PC/ED, and proper diagnostic procedures this job aid can assist in preventing repeat engine failures. Identifying the root cause of an engine failure is critical in preventing subsequent failure of the newly installed assembly.

Vehicles:

2003-2005 Aviator (U8)
 2003-2005 AVIATOR (00152)
 2002-2003 Blackwood (N1)
 2002-2003 BLACKWOOD (00145)
 2013 C-MAX (00204)
 2013 C-MAX (C344N) (CG)
 2002 CONTINENTAL (00010)
 2002 Continental (FN74) (JC)
 2002 COUGAR (00013)
 2002 Cougar EU, Cougar NA (ZN)
 2002-2011 Crown Victoria (FB)
 2002-2011 CROWN VICTORIA (00015)
 2007-2013 EDGE (00176)
 2007-2013 Edge (U387), MKX (U388) (Q1)
 2002-2014 ESCAPE (00130)
 2002-2014 Escape (C520 NA) (M2)
 2002-2014 Escape | Maverick, Mariner (M1)
 2002-2014 Escape | Maverick, Mariner (M7)
 2005-2007 ESCAPE HYBRID (00162)
 2005-2007 Escape Hybrid U293, Mariner Hybrid U293 (M6)
 2002-2003 Escort (AJ)
 2002 ESCORT (00020)
 2002-2013 E-SERIES (00016)
 2002-2013 E-Series (VN127) (E4)
 2002-2005 Excursion (L1)
 2002-2005 EXCURSION (00126)
 2002-2013 EXPEDITION (00026)
 2002-2013 Expedition (2000-2002) (B3)
 2002-2013 Expedition (U222) (B7)
 2002-2010 Explorer (U9)
 2002-2010 EXPLORER (00110)
 2002-2013 Explorer (U251), Mountaineer (U5)
 2002-2013 Explorer (U502) (UB)
 2002-2013 EXPLORER 4DR (00134)
 2002-2010 Explorer Sport Trac P251 NA (S1)
 2002-2010 Explorer Sport Trac P251 NA (UK)
 2002-2010 Explorer Sport U207 NA (U7)
 2002-2010 Explorer, Mountaineer (U3)
 2002-2013 F-150 (2004-2014), Mark LT (F6)
 2002-2013 F-150 | F-150 Heritage (F5)
 2002-2013 F-53 Motorhome Chassis | F-59 Commercial Stripped Chassis (Y3)
 2011-2014 FIESTA (00038)
 2011-2014 Fiesta B299 MCA NA (CT)
 2011-2014 Fiesta B299 NA (CH)
 2011-2014 Fiesta BE91 (CD)
 2011-2014 Fiesta BV256 SA (BL)

2005-2007 FIVE HUNDRED (00165)
 2002-2013 Five Hundred | Taurus, Montego | Sable (PG)
 2009-2014 Flex (P3)
 2009-2014 FLEX (00189)
 2002-2013 FOCUS (00122)
 2002-2013 Focus C170 (VL AK) (AK)
 2002-2013 Focus C346 NA (DH)
 2002-2013 Focus CW170 NA (AU)
 2005-2006 FORD GT (00164)
 2005-2006 Ford GT (2005-2006) (GT)
 2004-2007 FREESTAR (00158)
 2004-2007 Freestar, Monterey (A4)
 2005-2007 FREESTYLE (00166)
 2005-2007 Freestyle (D219) (PB)
 2004 F-SERIES HERITAGE (00161)
 2002-2013 F-SERIES LD (00029)
 2006-2013 F-SERIES MOTORHOME/COMMERCIAL (00175)
 2002-2013 F-SERIES SUPER DUTY (00028)
 2002-2013 F-Super Duty (2000-2010) (F7)
 2002-2013 F-Super Duty (P473) NA (FA)
 2006-2013 FUSION (00170)
 2006-2013 Fusion (CD338), Milan, MKZ | Zephyr (DE)
 2006-2013 Fusion (CD391N) NA (C7)
 2002-2011 GRAND MARQUIS (00044)
 2002-2011 Grand Marquis | Marauder (FP)
 2002-2006 Lincoln LS (LQ)
 2002-2006 LS (00124)
 2005-2011 MARINER (00163)
 2006-2007 MARINER HYBRID (00174)
 2006-2008 MARK LT (00173)
 2006-2011 MILAN (00171)
 2009-2013 MKS (LE)
 2009-2013 MKS (00190)
 2010-2014 MKT (P4)
 2010-2014 MKT (00194)
 2007-2013 MKX (00177)
 2007-2013 MKZ (00179)
 2007-2013 MKZ (CD533) (C9)
 2005-2007 MONTEGO (00167)
 2004-2007 MONTEREY (00156)
 2002-2010 MOUNTAINEER (00070)
 2002-2014 MUSTANG (00071)
 2002-2014 Mustang (S197) (ZF)
 2002-2014 Mustang (SN95) (ZE)
 2002-2013 NAVIGATOR (00106)
 2002-2013 Navigator (2000-2002) (B4)
 2002-2013 Navigator (U228) (B5)
 2002-2011 Ranger (R3)
 2002-2011 RANGER (00081)
 2002-2011 Ranger P246 Malaysia (K6)
 2002-2011 Ranger SA PACHECO (R8)
 2002-2009 SABLE (00082)
 2002-2013 Sable, Taurus (DD)
 2002-2013 TAURUS (00117)
 2002-2013 Taurus (D258) (PH)
 2008-2009 TAURUS X (00185)
 2008-2009 Taurus X (D219) (P5)
 2002-2005 Thunderbird (SR)
 2002-2005 THUNDERBIRD (00092)
 2002-2011 Town Car (VC)
 2002-2011 TOWN CAR (00094)
 2010-2013 TRANSIT CONNECT (00153)
 2010-2013 Transit Connect | Tourneo Connect (C7)
 2002 Villager (D3)
 2002 VILLAGER (00102)
 2006 ZEPHYR (00172)
 2003 ZX2 (00127)

Symptom Code:

400000 ENGINE

497000 ENGINE NOISE CONCERNS
499000 ENGINE BASIC ENGINE
600000 DRIVEABILITY
601000 DRIVE-STARTING
601300 DRIVEABILITY NO CRANK
603300 DRIVEABILITY NO START
606000 DRIVE-PERFORMANCE
608000 DRIVEABILITY RUNS ROUGH
609000 DRIVEABILITY MISSES
615000 DRIVEABILITY SPARK KNOCK
700000 NOISE AND VIBRATION
703000 NVH VIBRATION CONCERNS

Global Customer Symptom Codes:

Category	Q1	Q2	Q3	Full Code
Start/Run/Move				4*****
Start/Run/Move	Starting			440***
Start/Run/Move	Starting	No Crank		4401**
Start/Run/Move	Starting	No Crank	Always	440102
Start/Run/Move	Starting	Cranks Won't Start		4403**
Start/Run/Move	Starting	Cranks Won't Start	Always	440302
Start/Run/Move	Noise			448***
Start/Run/Move	Noise	Running/Standing		4481**
Start/Run/Move	Noise	Running/Standing	Always	448102
Start/Run/Move	Noise	Moving/Driving		4482**
Start/Run/Move	Noise	Moving/Driving	Always	448202
Driving Performance				5*****
Driving Performance	Runs Rough			550***
Driving Performance	Runs Rough	Acceleration		5502**
Driving Performance	Runs Rough	Acceleration	Always	550202
Driving Performance	Backfires			553***
Driving Performance	Backfires	At Idle		5531**
Driving Performance	Backfires	At Idle	Always	553102
Driving Performance	Backfires	Acceleration		5532**
Driving Performance	Backfires	Acceleration	Always	553202
Driving Performance	Spark Knock			555***
Driving Performance	Spark Knock	Acceleration		5552**
Driving Performance	Spark Knock	Acceleration	Always	555202

Audit Comments:

Area Code	Geo Sales Area	Comment	Old Date of Deactivation	New Date of Deactivation	CDSID
EU	RUS	GSMITH EDITED THIS MESSAGE ON: 07-AUG-2013::CHANGE	12/31/9999	08/07/2013	GSMITH
NA	***	GSMITH : 16-FEB-2016 TURN OFF PER ARRON NUNN::CHANGE	07/11/2017	02/15/2016	GSMITH
NA	***	GSMITH LOADED MESSAGE:087-2013-2043::ADD	01/01/1900	07/11/2017	GSMITH