



## TECHNICAL SERVICE BULLETIN

### Misfire And/Or Illuminated Malfunction Indicator Lamp (MIL) With Diagnostic Trouble Codes (DTCs) P0300 And/Or P0316

18-2093

20 March  
2018**Model:**

<b>Ford</b> 2015-2018 Focus ST
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**Issue:** Some 2015-2018 Focus ST vehicles may exhibit a misfire condition and/or illuminated MIL with DTCs P0300 and/or P0316 with engine coolant temperature below 49°C (120°F).

**Action:** Follow the Service Procedure steps to correct the condition.

**Parts**

Part Number	Description	Quantity
CYFS-12-YEC	Spark Plug	4

**Warranty Status:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

**Labor Times**

Description	Operation No.	Time
2015-2018 Focus ST: Retrieve DTCs, Remove And Inspect Spark Plugs Includes Time To Gap The Existing Spark Plugs Or Install New Spark Plugs And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	182093A	0.9 Hrs.

**Repair/Claim Coding**

Causal Part:	RECALEM
Condition Code:	04

Drive	Tool Name
1/4"	Power Tool
1/4"	Ratchet
1/4"	Torque Wrench
1/4"	7 mm Socket
1/4"	8 mm Socket
1/4"	10 mm Socket
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	5/8" Spark Plug Socket

## Service Procedure

1. Using Integrated Diagnostic System (IDS) or equivalent, retrieve DTCs in the powertrain control module (PCM). Are P0300 and/or P0316 the only DTCs present?
  - (1). Yes - proceed to step 2.
  - (2). No - this article does not apply. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.
2. Remove and inspect spark plugs. Refer to Workshop Manual (WSM) Section, 303-07. Does the vehicle have CYFS-12-YEC spark plugs?
  - (1). Yes - verify the spark plugs are gapped to 1.0 mm (0.040 in.). Set the gap as needed. Use Rotunda Technician Tool Program (RTTP) KDT165 or equivalent to verify gap. Proceed to Step 3.
  - (2). No - install four new CYFS-12-YEC spark plugs and set plug gap to 1.0 mm (0.040 in.). Use RTTP tool KDT165 or equivalent to gap and adjust the plugs before installing. Proceed to Step 3.
3. Reprogram the PCM using IDS or Ford J2534 Diagnostic Software (FJDS) release 108.07 or higher. Make sure you are connected to the internet when entering module programming to obtain the latest updates. Calibration files may also be obtained at [www.motorcraftservice.com](http://www.motorcraftservice.com).

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.