



## **P0300 Check Engine Light on 6.8L Ford V-10**

### **Service Update #22-0322**

#### P0300 — Misfire

This DTC sets when the misfire detection monitor detects an engine misfire in multiple cylinders or the PCM cannot identify which cylinder is misfiring.

- Damaged camshaft position (CMP) sensor
- Low fuel (less than 1/8 tank)
- Misfire monitor neutral profile correction has not been relearned since the last mechanical repair
- Overfilled oil
- Dirty air filter
- Damaged or fouled spark plugs
- Damaged PTO

ALL of our Service Updates can be found on the [New York Bus Sales website](#)  
Or at the [New York Head Mechanic website](#)

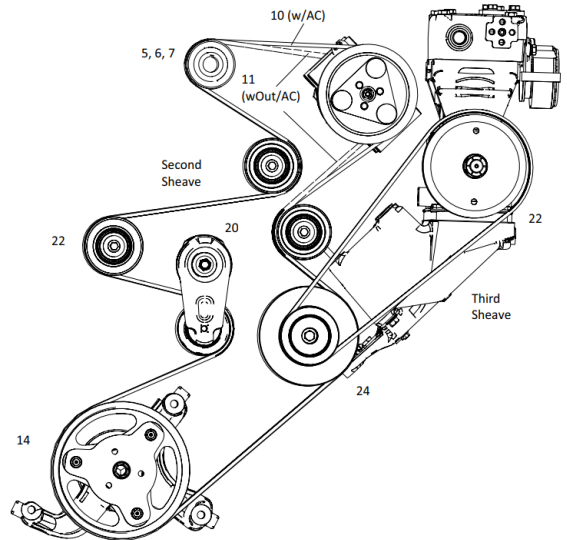
## P0300 Check Engine Light on 6.8L Ford V-10

### Service Update #22-0322

The PTO is a pulley mounted to a hub in rubber at 3 spots. We have seen those rubber mounts wear causing the pulley to loosen from the hub. When this occurs the PCM detects a false misfire, which can set a P0300 DTC.

In trying to determine a method to detect when there was an issue prior to having a CEL, we thought seeing as there was movement of the pulley on the hub, that it would be evident while the engine was running or there would be an indication due to vibration or noise but being mounted in rubber there did not seem to be an issue that was detectable.

After studying several units that were replaced (FIGURE #2) we found that as the rubber bushing wore, the signs of the deterioration were evident on the pulley. Where it did not seem uniform or 100% consistent, there always was evidence of the issue on the ridge of the pulley, sometimes on the outer face of the pulley as in FIGURE #3 and sometimes on the inside right by the bushing as in FIGURE #4. Checking during a PM Service should this be found, replacing the PTO pulley could save downtime.



ALL of our Service Updates can be found on the [New York Bus Sales website](#)  
Or at the [New York Head Mechanic website](#)



**BB Part  
#10023203**

**FIGURE #1**



**FIGURE #2**



**FIGURE #3**



**FIGURE #4**

**There is a short video on replacing the PTO pulley on the Roush CleanTech website:  
<https://www.roushcleantech.com/roush-cleantech-blue-bird-pt0-replacement/>**

ALL of our Service Updates can be found on the [New York Bus Sales website](#)  
Or at the [New York Head Mechanic website](#)



## CONTACT OUR SERVICE OR PARTS DEPARTMENT WITH ANY QUESTIONS

### SERVICE

John Johnston  
[jjohnston@newyorkbussales.com](mailto:jjohnston@newyorkbussales.com)  
CELL 315-263-0766

#### Chittenango: 800-962-5768

Daryl Wallace  
[dwallace@newyorkbussales.com](mailto:dwallace@newyorkbussales.com)

Brian Lamaitis  
[blamaitis@newyorkbussales.com](mailto:blamaitis@newyorkbussales.com)

Bob Reith  
[breith@newyorkbussales.com](mailto:breith@newyorkbussales.com)

Phil Tucker  
[ptucker@newyorkbussales.com](mailto:ptucker@newyorkbussales.com)

#### Albany: 866-867-1100

Ben Reiling  
[breiling@newyorkbussales.com](mailto:breiling@newyorkbussales.com)

#### Rochester: 800-463-3232

Brandon Shepard  
[bshepard@newyorkbussales.com](mailto:bshepard@newyorkbussales.com)

#### Middletown: 845-609-7070

Moncia Mc Donald  
[mmcdonald@newyorkbussales.com](mailto:mmcdonald@newyorkbussales.com)

### PARTS

#### Director of Parts

Dave Reichel  
[dreichel@newyorkbussales.com](mailto:dreichel@newyorkbussales.com)  
CELL 315-396-5709

#### Chittenango: 800-962-5768

Gari McQuade  
[gmcquade@newyorkbussales.com](mailto:gmcquade@newyorkbussales.com)

Bill Cox  
[bcoc@newyorkbussales.com](mailto:bcoc@newyorkbussales.com)

Dan Sullivan  
[dsullivan@newyorkbussales.com](mailto:dsullivan@newyorkbussales.com)

Gary Maniacek  
[gmaniacek@newyorkbussales.com](mailto:gmaniacek@newyorkbussales.com)

John Lewin  
[jlewin@newyorkbussales.com](mailto:jlewin@newyorkbussales.com)

#### Albany/Middletown: 866-867-1100

Sean Conway  
[sconway@newyorkbussales.com](mailto:sconway@newyorkbussales.com)

Dan Haight  
[dhaight@newyorkbussales.com](mailto:dhaight@newyorkbussales.com)

#### Rochester: 800-463-3232

James Roeser  
[jroeser@newyorkbussales.com](mailto:jroeser@newyorkbussales.com)

Tesea Cornwell  
[tcornwell@newyorkbussales.com](mailto:tcornwell@newyorkbussales.com)

ALL of our Service Updates can be found on the [New York Bus Sales website](#)  
Or at the [New York Head Mechanic website](#)

