

# Tech Tips

## TT 00-14-01

Date: April 25, 2014

#### 2009-2014 Routan-Identifying Misfires using WiTech

To identify a misfiring cylinder when a random fault is set (P0300), utilize the following; Select PCM (ECM) from the module menu (figure 1). At the top of the screen, mouse over "Monitors" to open the drop down list. Select OBD II monitors. From the OBD II monitor list (figure 2), scroll down and select "Which cylinder is misfiring"(figure 3). A value block displaying all cylinder misfire counts can be viewed and also monitored while running to isolate the causal cylinder. Once the specific cylinder(s) have been isolated, proceed with misfire diagnosis to determine root cause and repair as necessary.



Figure 1

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## **Service Information**

134324		
Killijes Reports Monitors Preferences About Help		
CBDII Monitors	Acres (	
Change display sign for on road view.	WIECH	
OBCI Monitors Task Manager CADB Beadiness Status		
Double-click row selection to run monitor. Click on column heading to sort table. You may run only one monitor at a time.		
Kan		
All OBDI Monitor Status	Ĥ	
1/1 SOC 02 Munitur		
2/1 SOC 02 Munitor		
1/2 02 Monitor		
2/2 O2 Monitor		
Catalyst SOC Man Bank 1		
Catalyst SOC Mon Bank 2		
1/1 O2 Healter Monitor		
2/1 OZ Heater Monitor		
1/2 02 Healer Manilur		
2/2 02 Heater Manitar		
ECR Monitor		
Purge Monitor		
ESIM ENG OFF Small Leak Monitor		
EVAP Engine Running Large/Cap Leak Manitor		
Gen Brag/Switch Monitor		
Bank 1 Adaptive Memory		
Bank 2 Adaptive Memory		
Fuel Lean Monitor Bank 1		
Fuel Lean SCW Monitor Bank 1		
Fuel Lean Monitor Bank 2	1	
Fuel Lewin SCW Munitor Bank 2		
Fuel Rich Monitor Bank 1		
Fuel Rich SCW Monitor Rank 1		
Fuel Rich Monitor Bank 2		
Fuel Rich SCW Monitor Bank 2		
Mis-Fire Disable Monitor		
Mis-Fire Mon 200/1000		
Mix-Fire Man SCW		

Figure 2

00Dil Monitors Task Hanager CARS Readiness	etas .	
witech click Which cylinder		
us Mis-Firing' and click the	n heading to sort table. You may run only one monitor at a time.	
is Mis-Firing' and click the play button on right.png		
ECRI play button on hyncpig		
Type: PNG image		
ESIM Size: 267 KB		
Dimension: 3900 x 2430		
ent pixels		
Bank Z Adaptive Memory		
Fuel Lean Monitor Bank 1		
fuel Lean SCW Monitor Bank 1		
Fuel Lean Monitor Bank 2		
vel Lean SCW Monitor Bank 2		
vel Rich Monitor Bank 1		
Fuel Rich SCW Monitor Bank 1		
Fuel Rich Monitor Bank 2		
Fuel Rich SCW Monitor Bank 2		
Mis-Fire Disable Monitor		
Miz-Fire Mon 200/1000		
Mis-Fire Man SCW		
Which Cylinder is Mis-Firing		
Cam Crank Synchronization Event Monitor		
Rutomatic Of Change Indicator Monitor		
GC Cutout #1		
GIC Cutout #2		
SÁC CURBALE #3		
/C Cutout #4		
/C Cutout #5		
S/C Cutout #6		
S/C Cutout #7		
SIC Cutout #8		e à

### Figure 3

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