

## 6.0L'S HAVE PROBLEMS - WE'VE GOT ANSWERS

### 2003

COMMON FAILURE:	CAUSE:	SOLUTION:	PART NUMBER:
Turbo failure (VGT vanes sticking)	1) Restrictive oil drain tube 2) Lack of internal turbo groove	Upgraded oil drain tube from Ford Replace turbo	PN 6C3Z-9T515-A Use '07 turbo
Leaking oil under turbo	Bad ICP sensor	Replace ICP sensor	PN 3C3Z-9F838-EA
FICM-related rough idle	Problematic pilot injection feature	Reflash FICM (by application)	PN Need VIN

### 2004

COMMON FAILURE:	CAUSE:	SOLUTION:	PART NUMBER:
EGR cooler (late '04)	Restrictive rectangular design	Replace or clean EGR cooler	PN 4C3Z-9P456-AF
Turbo failure (VGT vanes sticking)	1) Restrictive oil drain tube 2) Lack of internal turbo groove	Upgraded oil drain tube from Ford Replace turbo	PN 6C3Z-9T515-A Use '07 turbo

### 2005

COMMON FAILURE:	CAUSE:	SOLUTION:	PART NUMBER:
EGR cooler	Restrictive rectangular design	Replace or clean EGR cooler	PN 4C3Z-9P456-AF
Turbo failure (VGT vanes sticking)	1) Restrictive oil drain tube 2) Lack of internal turbo groove	Upgraded oil drain tube from Ford Replace turbo	PN 6C3Z-9T515-A Use '07 turbo
HPOP leaking oil	STC connector fails	Replace STC connector	PN 4C3Z-9B246-D
Oil rail plug(s) leaking	O-rings fail	Replace oil rail plug	PN W302195

### 2006

COMMON PROBLEM/FAILURE:	CAUSE:	SOLUTION:	PART NUMBER:
EGR cooler	Restrictive rectangular design	Replace or clean EGR cooler	PN 4C3Z-9P456-AF
Turbo failure	Lack of internal turbo groove	Replace turbo	Use '07 turbo
Oil rail plug(s) leaking	O-rings fail	Replace oil rail plug	PN W302195

### 2007

COMMON FAILURE:	CAUSE:	SOLUTION:	PART NUMBER:
EGR cooler	Restrictive rectangular design	Replace or clean EGR cooler	PN 4C3Z-9P456-AF
Oil rail plugs	O-rings fail	Replace oil rail plug	PN W302195

**2003 - 2007 (ALL MODEL YEARS)**

COMMON FAILURE:	CAUSE:	SOLUTION:	PART NUMBER:
EGR valve sticking ('03 to early '04)	Carbon, soot buildup	Replace or clean EGR valve	PN 4C3Z-9F452-A
EGR valve sticking (late '04 to '07)	Carbon, soot buildup	Replace or clean EGR valve	PN 53Z-9F452-AA
Blown head gasket	Head bolts stretch	ARP head studs, H-11 head studs	PN 250-4202 (ARP) PN1300-5001 (Elite)
Oil cooler	Plugged or gasket failure	Clean oil cooler and/or replace gasket	PN 3C3Z-6A642-AA
Sticking spool valve in injector	Stuck spool valve (open/closed)	Inductive Heating Flash - FICM	PN Need VIN
Cracked IC boot ('03 to early '04)	Wear, heat	Replace boot	PN 6C3Z-6C640C
Cracked IC boot (late '04 to '07)	Wear, heat	Replace boot	PN 6C3Z-6C640A
Coolant leak	Degas bottles crack on seams	Replace degas bottle	PN 6C3Z-8A-O8OB
FICM calibration(s)	Bad calibration, fried circuit board	Re-flash or new FICM	PN Need VIN
Injector harness wear	Chafed wiring harness	Replace wiring harness (by application)	PN Need VIN
FICM harness wear	Chafed wiring harness	Replace wiring harness (by application)	PN Need VIN