

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN	
	March 2000 TB 1776
Mfg:	FORD
Model:	MUSTANG
Liter:	4.6L
V I N:	W, X
Year:	91-09

Engine Identification On
1991-99 Ford 4.6L VIN 6, W & Z Engines

The AERA Technical Committee offers the following information regarding engine identification on 1991-99 Ford 4.6L Vin 6, W & Z engines. These engines were built in two different assembly plants, Romeo plant and the Windsor plant.

When servicing this engine, it is important to know which engine you are working on. Failure to use the correct service procedures or service parts may result in engine damage. An easy way to tell which engine you are working on is to look at the valve covers of the engine.

The Windsor engine on the right valve cover has 14 bolts, Figure 2, while the left side valve cover has 13 bolts (Figure 3). On the Romeo built engine, the valve cover only has 11 bolts on both the right and left side valve covers As shown in Figure 1. Also there is a letter "W" embossed in the valve cover of the Windsor built engine.

Listed below are some of the internal differences of the engines.

Romeo Built Engine (Figure 1)

- Uses jack screws between the main bearing caps and block
- Uses a press fit piston pin without retainers
- Uses a bolt and spacer to secure the cam sprocket
- Has an oil feed reservoir and uses a ladder style cam cap

Windsor Built Engine (Figure 2&3)

- Larger main bearing caps and uses dowels between the main caps and block
- Larger rod with full floating piston pin with 2 retainers
- Uses interference fit between cam sprocket and camshaft

This information is provided from the best available sources. However, AERA does not assume responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions, or subsidiaries, etc. at a different location, without written permission.
© Copyright AERA 2006



Reference:	
-------------------	--

TECHNICAL BULLETIN		Mfg:	FORD
	March 2000 TB 1776	Model:	MUSTANG
		Liter:	4.6L
		V I N:	W, X
		Year:	91-09

-Has no oil feed reservoir in the head and uses single cam caps

The AERA Technical Committee

This information is provided from the best available sources. However, AERA does not assume responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions, or subsidiaries, etc. at a different location, without written permission.
© Copyright AERA 2006



Reference:	
-------------------	--

TECHNICAL BULLETIN

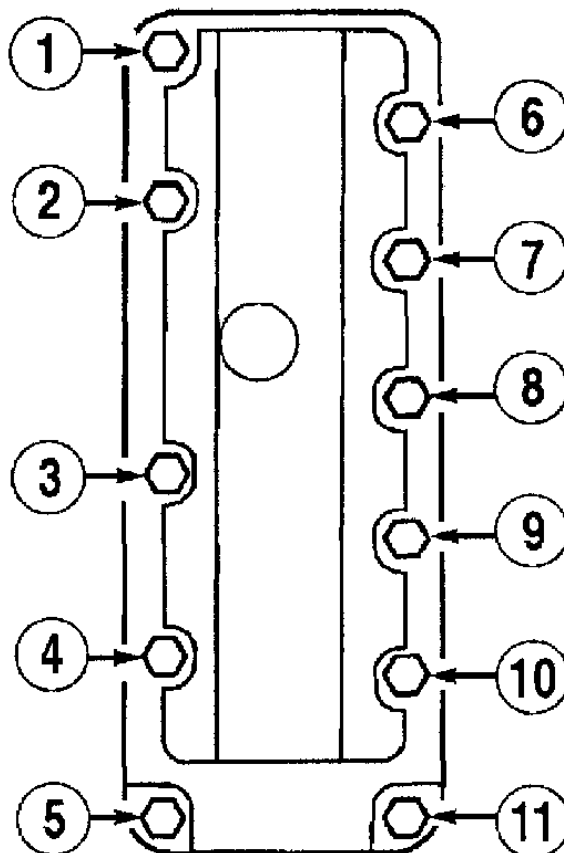


March 2000

TB 1776

Mfg: FORD
Model: MUSTANG
Liter: 4.6L
VIN: W, X
Year: 91-09

Bulletin Diagram: TB 1776 Figure 1 Left Valve Cover



This information is provided from the best available sources. However, AERA does not assume responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions, or subsidiaries, etc. at a different location, without written permission.
© Copyright AERA 2006



Reference:

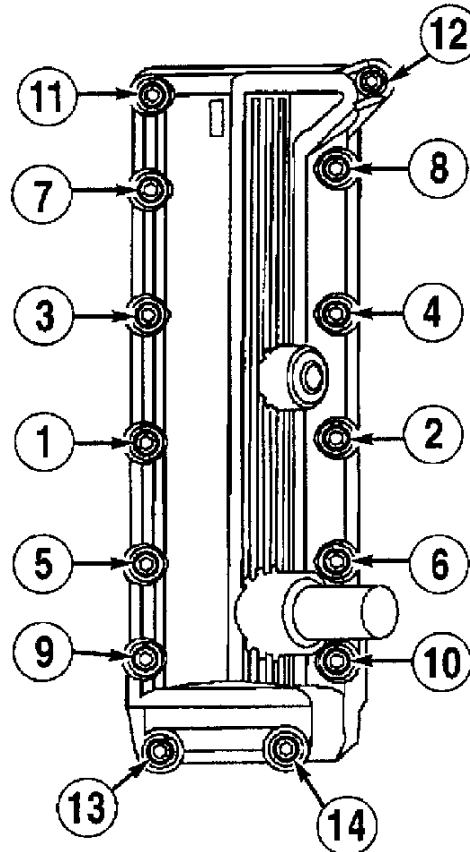
TECHNICAL BULLETIN



March 2000
TB 1776

Mfg: FORD
Model: MUSTANG
Liter: 4.6L
VIN: W, X
Year: 91-09

Bulletin Diagram: TB 1776 Figure 2 Right Valve Cover



This information is provided from the best available sources. However, AERA does not assume responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions, or subsidiaries, etc. at a different location, without written permission.
© Copyright AERA 2006



Reference:

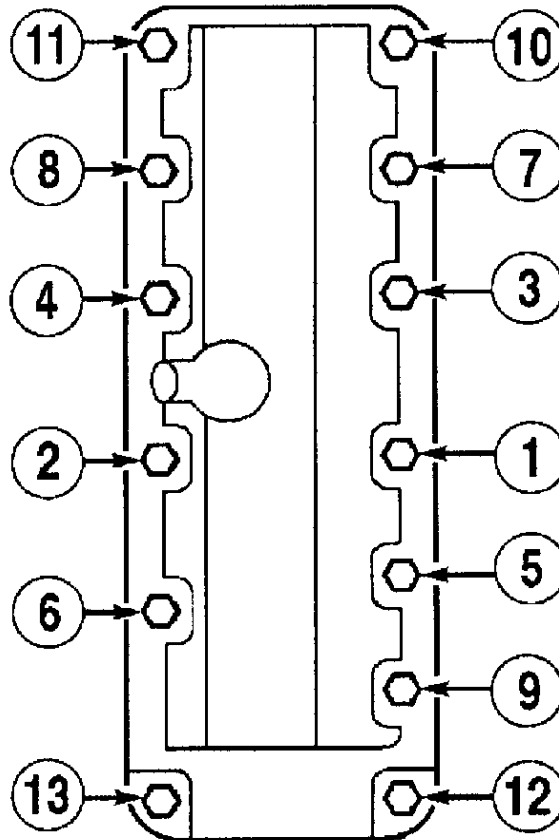
TECHNICAL BULLETIN



March 2000
TB 1776

Mfg: FORD
Model: MUSTANG
Liter: 4.6L
VIN: W, X
Year: 91-09

Bulletin Diagram: TB 1776 Figure 3 Left Valve Cover



This information is provided from the best available sources. However, AERA does not assume responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions, or subsidiaries, etc. at a different location, without written permission.
© Copyright AERA 2006



Reference: