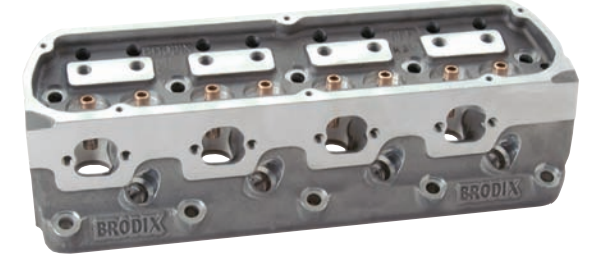




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Instruction Sheet For Small Block Ford Compatible Heads



ATTENTION:

VALVE SPRING WARNING FOR ALL PACKAGES

On all complete packages, it is very possible that your valve springs are not correct for your camshaft. All valve springs should be checked for compatibility to your camshaft. Severe wear of valve train components and severe engine damage could result from failure to do this. Check spring requirements before heads are installed on the engine. BRODIX requires you to supply the valve springs for any engine that has a flat tappet camshaft with over .615 valve lift.

WARRANTY DISCLAIMER:

No warranties of any nature (expressed, implied, fitness of usage or merchantability) are given on these products. Seller undertakes no responsibility for any product sold. Additional disclaimers are within and are binding upon this contract. Due to the intended usage of products offered, all products are sold on an "as-is" basis, and no warranties of any kind, whether written or oral are made by BRODIX, Inc., its agents or employees. All implied warranties, including the implied warranties of merchantability and fitness are expressly excluded, and the buyer bears the entire risk as to quality performance and use of these products. BRODIX, Inc. will assume no responsibility of personal injury, labor or other injury arising out of the usage of high performance racing parts or products. Any defective part will be handled between the original manufacturer and the buyer.

BRODIX, Inc. reserves the right to change specifications, prices and discontinue parts without notice. Installation of BRODIX heads may adversely affect the vehicle manufacturer's warranties, and may violate State and Federal laws when vehicles so equipped are operated other than strictly off-highway. BRODIX reserves the right to discontinue any product at its sole discretion and without any liability with respect to similar products already in the field. Some parts are not legal for sale or use in California on any pollution controlled motor vehicle.

WHILE OUR PRODUCTS ARE USED ON MANY SUPER-CHARGED APPLICATIONS SUCCESSFULLY, PLEASE BE AWARE THAT THERE IS A GREATER POTENTIAL FOR ENGINE DAMAGE DUE TO THE POSSIBILITY OF TUNING ERRORS.

Important Notice

This instruction sheet has been completed using our best efforts. We assume no liability for errors contained herein. Our website is updated on a regular basis and can be used to supplement the information contained herein.

It is the responsibility of the installer to ensure that all of the products are correct before installation. Proper assembly always requires that the installer measure all tolerances for proper clearance. We assume no liability for any errors made in product selection or installation

WARNING!

PLEASE CHECK THE HEAD THOROUGHLY IN EVERY POSSIBLE WAY. IF YOU SUSPECT A DEFECT, CONTACT BRODIX, INC. OR THE DEALER IT WAS PURCHASED FROM BEFORE ANY WORK HAS BEGUN. BRODIX WILL NOT BE RESPONSIBLE FOR VISIBLE DEFECTS AFTER ANY WORK HAS BEEN STARTED.

Inspect the head for damage from shipping and check valve stems for nicks by mishandling.

CHECK PISTON TO CYLINDER HEAD CLEARANCE.

Always check valve guide clearance when heads are purchased bare. When buying the heads complete, this is performed at BRODIX. A good cross hatch pattern is desirable for initial oil retention.

Valve stems should be lubricated before installation in valve guides. Recommended valve clearance is .0015 for intake and .00175 for exhaust.

Most bronze valve guide wear problems are created in the initial preparation and engine warm up. Bronze guides cannot run dry for any amount of time.

If a valve stem seal is used, the neoprene-teflon insert type is desirable. We do not recommend a real tight valve stem seal.

Use Loc-Tite "271" sealant on rocker stud threads.

As of January 1, 2011, all BRODIX heads (excluding IK@, ASCS, and SUPR castings) sold as bare castings will include the valve bowls blended, the intake ports matched, and a competition valve job.

Some rocker studs will bottom out before contact with guide plate is made. Excess material must be ground off bottom of stud so that stud hex contacts the guide plate correctly. Guide plates must sit flat on rocker pads for proper rocker arm to valve contact.

Fel-Pro or Cometic head gaskets are recommended. Always check for gasket overlap into chambers. New type o-ring gaskets may imprint heads, but in most cases they are acceptable.

Torque 1/2 inch head bolts to 100 ft-lb in increments of 20 ft-lb. Use a drop of 30W motor oil under head of bolt. Make sure head bolts do not bottom out in block. Sealer should be used on head bolt threads.

A re-torque after initial warm up is desired. Allow engine to cool for twelve hours before re-torquing.

You must check pushrod clearance with head installed on the engine block before final assembly. The head may require special length pushrods.

Apply anti-seize on all bolts and spark plug threads.

All heads use a 14 mm, .750 reach spark plug. Place large flat side of spark plug gasket next to head for a proper fit.

Warning! Please be advised that heat soaking aluminum heads above 250° F can drastically affect the hardness.

Cleaning techniques that utilize heat are not recommended.

Please feel free to call, write, or Email if there are any problems or questions. We have a complete repair service available if head damage occurs.

PARTS RECOMMENDATIONS INSIDE

IF YOU NEED TECHNICAL ASSISTANCE, CALL : (479) 394-1075

BRODIX Ford Compatible Cylinder Heads	Head Bolts	Head Studs	Head Gaskets	Intake Gaskets	Exhaust Gaskets	Manifolds	Rockers
ST 5.0	AR 154-3605(289-302) AR 154-3603 (351)	AR 154-4005 (289-302) 6 PT. AR 154-4203 (351) 12 PT.	FP 1011-1, (1962-82) FP 1011-2, (1983-95)	FP 1250	FP 1487 MG 1350 (BRODIX EXCLUSIVE)	302 - EDELBROCK PERF. RPM - 7121 302 - EDELBROCK AIR GAP - 7521 302 - EDELBROCK VICTOR JR - 2921	STOCK FORD - NON-ADJUSTABLE ROCKERS
ST 5.0 R, BP ST 5.0 R, BP LH F 17 195, BP LH F 17 210	AR 154-3605(289-302) AR 154-3603 (351)	AR 154-4005 (289-302) 6 PT. AR 154-4203 (351) 12 PT.	FP 1011-1, (1962-82) FP 1011-2, (1983-95)	FP 1250 (ST 5.0 R, BP ST 5.0 R, BP LH F 17 195) FP 1262 (BP LH F 17 210)	FP 1487 MG 1350 (BRODIX EXCLUSIVE)	302 - EDELBROCK PERF. RPM - 7121 302 - EDELBROCK AIR GAP - 7521 302 - EDELBROCK VICTOR JR - 2921	7/16 ROCKER STUDS WITH 53/119 CENTERLINE GUIDE PLATES - BR 289351
T1 F STD, STS T1 F STD 214, STS T1 F STD 225	AR 154-3603 (351)	AR 154-4203 (351) 12 PT.	FP 1011-1, (1962-82) FP 1011-2, (1983-95)	FP 1262 (T1 F STD, STS T1 F STD 214) FP 1262 R (STS T1 F STD 225)	FP 1487 MG 1350 (BRODIX EXCLUSIVE)	302 - EDELBROCK PERF. RPM - 7121 302 - EDELBROCK AIR GAP - 7521 302 - EDELBROCK VICTOR JR - 2921 351 - EDELBROCK PERF. RPM - 7181 351 - EDELBROCK AIR GAP - 7581 351 - EDELBROCK VICTOR JR - 2981	7/16 ROCKER STUDS WITH 53/119 CENTERLINE GUIDE PLATES - BR 289351
T1 F X	AR 154-3603 (351)	AR 154-4203 (351) 12 PT.	FP 1011-1, (1962-82) FP 1011-2, (1983-95)	FP 1262	FP 1427 MG 1351 (BRODIX EXCLUSIVE)	302 - EDELBROCK PERF. RPM - 7121 302 - EDELBROCK AIR GAP - 7521 302 - EDELBROCK VICTOR JR - 2921 351 - EDELBROCK PERF. RPM - 7181 351 - EDELBROCK AIR GAP - 7581 351 - EDELBROCK VICTOR JR - 2981	7/16 ROCKER STUDS WITH 53/119 CENTERLINE GUIDE PLATES - BR 289351
BP HH F 302	N/A	BR HS / HH F 302	FP 1134 - 4.180 FP 1135 - 4.200	CO CIR149SPV059 F	FP 1427(Trim)	351 - EDELBROCK 2828	T & D 7350
FORD COMPATIBLE SPEC HEADS SP FO 46 223 (IMCA) 27 223 (ASCS)	AR 154-3603 (351)	AR 154-4203 (351) 12 PT.	FP 1011-1, (1962-82) FP 1011-2, (1983-95)	FP 1262	FP 1427 MG 1351 (BRODIX EXCLUSIVE)	302 - EDELBROCK PERF. RPM - 7121 302 - EDELBROCK AIR GAP - 7521 302 - EDELBROCK VICTOR JR - 2921 351 - EDELBROCK PERF. RPM - 7181 351 - EDELBROCK AIR GAP - 7581 351 - EDELBROCK VICTOR JR - 2981	7/16 ROCKER STUDS WITH 53/119 CENTERLINE GUIDE PLATES - BR 289351
BF 200	N/A	AR 254-4312 SK HSBF F (ALUMINUM BLOCK)	FP 1022 - L.H. FP 1023 - R.H.	FP 1265	FP 1431	FORD MOTORSPORTS M - 9424 W 351 (9.200 DECK) M - 9425 W 351 (9.500 DECK)	T & D 7383 CLEAR ALL PUSHRODS BEFORE ASSEMBLY
BF 201, BF 202	N/A	AR 254-4312 SK HSBF F (ALUMINUM BLOCK)	FP 1022 - L.H. FP 1023 - R.H.	FP 1265	FP 1431	FORD MOTORSPORTS M - 9424 W 351 (9.200 DECK) M - 9425 W 351 (9.500 DECK)	T & D 7384 CLEAR ALL PUSHRODS BEFORE ASSEMBLY
BF 300, BF 301	N/A	AR 254-4312	FP 1013 CLEVELAND/ MODIFIED	FP 1265	FP 1431	EDELBROCK - 2990 (HAS WATER CROSSOVER) EDELBROCK 2991 (NO WATER CROSSOVER)	T & D 7200 (1.70 + RATIO) T & D 7201 (1.65 AND LOWER RATIO) CLEAR ALL PUSHRODS BEFORE ASSEMBLY

SUPPLIER ABBREVIATIONS:

AR = ARP

SK AND MG = BRODIX

CO = COMETIC

FP = FEL-PRO

MA = MANLEY

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