

6.0 PID Readout Form

All reading observed at operating temperture after driving with exeption of FICM volts cold cranking that was obsered at ambient temperture after setting at least 12hr.

Vehicle 2003 F-250 Orange

Milage: 184830 Date: 12/4/18

FICM Volts Cold Cranking	<u>48.5</u>	Studs:	<u>yes</u>	Type:	<u>ARP</u>
Oil Temp:	<u>192°</u>	EGR Delete:	<u>yes</u>	Type:	<u>River City Diesel</u>
Coolant Temp:	<u>190°</u>	Tuner:	<u>no</u>	Type:	<u>—</u>
FICM Volts:	<u>49.5V</u>				
Battery Volts:	<u>14.0V</u>				
ICP Pressure:	<u>637.7 psi</u>				
IPR %:	<u>23%</u>				
Trans Temp:	<u>137°</u>				

Injector Buzz test: Pass

Codes:

P0403 Egr } from Egr Delete
 P0405 Egr }
 P0097 Intake Air Sensor Circuit Low

no check
 engine light

Notes:

Reman F.icm 2012
 ARP studs }
 milled Heads } 2017
 egr Delete }
 oil cooler 2018

Invoice

DE 8791
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****Reprint****

Invoice No: 0003790020
Invoice Date: 8/8/2017
SalesOrder No: 0004424579
Order Date: 08/08/2017
Salesperson
Customer PO
Customer
Terms

Bill To:

CUTTING EDGE DIESEL LLC

Ship To:

CUTTING EDGE DIESEL LLC

Customer Contact:

Item Number	Description	Ship Via	Freight Qty Shipped	Price	Amount
ARP250-4202	Ford 6.0L Powerstroke diesel head stud kit	GROUND	\$12.80 1		
	Tracking: 1Z58E8370394756675 Warehouse: Texas Warehouse				
MCI54450A	Cylinder Head Gasket Ford Truck V8, 363 (6.0L), Diesel	GROUND	\$2.62 2		
	Powerstroke (18mm dowel pin size)				
	Tracking: 1Z58E8370394756675 Warehouse: Texas Warehouse				

----- LAST ITEM -----

Total

THANK YOU FOR YOUR BUSINESS!!

ALL INVOICES ARE SUBJECT TO A FINANCE CHARGE OF 1.25% PER MONTH (15% PER ANNUM) .

ALL NSF CHECKS ARE SUBJECT TO GREATER OF A \$50 FEE OR 10% OF CHECK AMOUNT.

THERE WILL BE A 3% FEE FOR ALL CHARGES TO CREDIT CARDS AFTER THE INITIAL SALE.

AN RMA IS REQUIRED FOR ALL RETURNS.

ANY PROBLEMS WITH AN INVOICE MUST BE REPORTED WITHIN 10 DAYS OF DELIVERY.

Subtotal
Trade Discount
Freight
Sales Tax
Payment/Credit Amount
Additional Charges
Balance USD

INSTALLATION METHOD FOR HEAD STUD KITS

Part Number: 250-4202 Application: Ford 6.0L Powerstroke Diesel

1. Always verify the part number for your application with the part number on the side of box and the part number on the instruction sheet. This will help ensure you have the correct installation procedure for your specific application before installing any components.
2. Clean and inspect all hardware prior to installation. Look for obvious defects or shipping damages, plus proper fit, length and dimension.
3. To ensure proper thread engagement and accurate torque readings, clean ALL threads in the block. Chase if necessary with a Thread Chaser.
4. If the cylinder head studs protrude into a water jacket, lubricate the block threads of the studs with ARP THREAD SEALER.
5. Screw studs into the block "HAND TIGHT ONLY".
NOTE: LOCTITE MAY BE USED IF A PERMANENT MOUNTING OF THE STUDS IS PREFERRED. THE FASTENERS, HOWEVER, MUST BE TORQUED PRIOR TO THE LOCTITE SETTING UP.
6. Install the cylinder head(s) and check for binding or misalignment.
7. Lubricate the stud threads, nuts and washers with ARP ULTRA-TORQUE FASTENER ASSEMBLY LUBRICANT. Then install the washers and the nuts onto the studs and tighten them hand tight. **ARP recommends using the ARP ULTRA-TORQUE FASTENER ASSEMBLY LUBRICANT that is provided with each kit as opposed to motor oil. This is due to higher friction on the studs as well as inconsistencies in the clamping force of the fasteners when motor oil or other low quality lubricants are used.**

PRELOAD (TORQUE) RECOMMENDATIONS

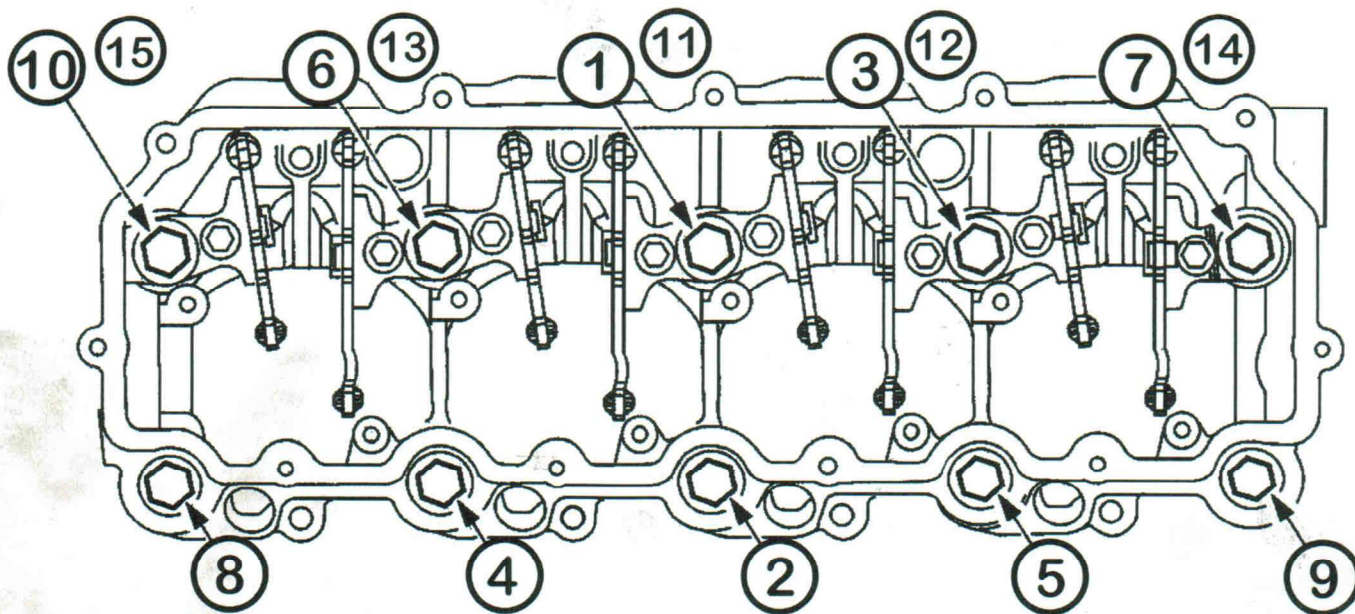
8. Following the manufacturers recommended torque sequence tighten the nuts in three equal steps to the following specifications with ARP ULTRA-TORQUE FASTENER ASSEMBLY LUBRICANT.

M14 studs (1-10) 210 ft lbs

8mm bolts (11-15) 25 ft lbs (sold separately)

Note: ARP Ultra-Torque Fastener Assembly Lubricant has been specifically designed to reduce tension preload scatter and eliminate the need to cycle high performance engine fasteners before final installation. ARP Ultra-Torque far surpasses all requirements offered by previous ARP lubricants in terms of fastener preload repeatability and performance lubricating properties. For more information on ARP Ultra-Torque visit our website at www.arp-bolts.com or call 1 800-826-3045.

Bolt Torque Sequence



Detailed Vehicle Specification - 1FTNF20P83EB33044			6:12:10 PM
Description		2003 F-250	
Production Date:		2002/12/11	
Brand	F	FORD	
Product Type	T	TRUCK	
Vehicle Line	VLF7	F-Super Duty	
Fuel Type	D	DIESEL	
Body Cab Style	CABB	Regular Cab	
Version/Series	SEBD	250 SERIES	
Plant of Manufacture	AAGA1	KENTUCKY TRUCK PLANT (USE AAGA	
Engine	ENYB	6.0L OHV Diesel V8	
Transmission	TRBE	5 Speed Auto 5R110W - HI/Torqu (IND=A)	
Drive Type	DR0B	2 WHL L/H REAR DRIVE	
Axle Ratio	EGAJB	3.73 FINAL DRIVE RATIO	
Emissions	EMB	49 STATE/FEDERAL REQUIREMENTS	
Air Conditioning	AC0B	MANUAL AIR CONDITIONER	
Tire Size	D3JUC	LT235/85R-16E BSW A-S	

Build Information

59600	ALL VINYL TRIM
000NF	MEDIUM FLINT INTERIOR
5QM00	F7 -E-V -G-GRAIN
A1NAB	BLOCKER BEAM-UNDERBODY FRT END
A59AE	CAB BACK PNL LESS STOWAGE COMP
A7EAB	TAILGATE LOCK
A9CBC	8' STYLESIDE BOX-STEEL
A9KAB	LOAD BOX EDGE PROTECTORS
AA5G7	137"/3480MM WHEELBASE
AAAAC	XL VERSION
AACAA	LESS VERSION PACKAGES
AAEAA	LESS SPECIAL PURPOSE VEHICLE
AAFAB	FLEET RELATED ITEMS
AAGA1	KENTUCKY TRUCK PLANT (USE AAGA
AAHAB	U.S. SALES
AAKAA	LESS SECURITY LOCK GROUP
AALAA	LESS SPECIAL EQUIPMENT PACKAGE
AASAB	COMPLETE VEHICLE
AAZKX	8800 LB. GVW
AB2AA	LESS APPEARANCE GROUP

ABFAA	LESS EXT APPEARANCE PACK
ABKAA	LESS POWER EQUIPMENT GROUP
ABTAA	LESS AMBIENT TEMP/SPEED PACK
AD6AG	JOB #2 PROGRAM CONTROL
ADKAB	KENTUCKY TRUCK PLNT BUILD ONLY
AEAAE	ENGLISH LANGUAGE LABEL
AEDAB	OWNER HAND BOOK PACK
AHDAK	2 TON MECHANICAL JACK
B2CAB	MANUAL FRONT SIDE WINDOWS
B2DAA	LESS REAR SIDE WINDOW
B2GAB	TINTED GLASS-COMPLETE
B3HAC	FIXED REAR WINDOW
B5VAA	LESS OVERHEAD CONSOLE
B5WAA	LESS FLOOR MOUNTED CONSOLES
BB7AB	FIXED FOOT PEDALS
BBHAA	LESS FRONT FLOOR MATS
BBIAA	LESS REAR FLOOR MATS
BBKAJ	FLR CVR-VINYL INS-COMPLETE
BCAAL	SUNVISOR,SINGLE-DRIVER W/STRAP
BCBAC	SUNVISOR,SINGLE-PASS MR INSERT
BCMAB	DOOR TRIM PANEL-LEVEL 1
BCPAD	GRAB HANDLE SIDE DR PLASTIC
BHDAB	SOUND INSULATION PACK-LEVEL 1
BL3AA	LESS EXTERIOR SUN VISOR
BLDAT	GREY GRILLE
BMCAA	LESS EXTERIOR WHEELIP MOLDING
BMLAA	LESS LOWER B/S MLDG
BPDAA	LESS RR WINDOW PROTECTOR
BPLAA	LESS SIDE AUXILIARY STEP
BSBAB	DAY/NIGHT INSIDE MIRROR
BSHAP	DUAL SAIL MTD HAND SET MIRRORS
BY1AA	LESS TEMP CONTROL DRIVER SEAT
BY2AA	LESS TEMP CONTROL PASSNGR SEAT
BY5AC	SEAT BELT WARNING LAMP
BYBAA	LESS SECOND ROW SEATING
BYPAB	MANUAL 2-WAY DRV SEAT ADJUSTER
BYQAB	MANUAL 2-WAY PASS SEAT ADJUST
C1CAH	TRAILER TOW PREP PACK
C1DAA	LESS TRAILER TOW ATTACHMENTS
C1UAB	FRONT TOWING HOOKS

CAAAB	EXTERIOR DOOR HANDLE-BLACK
CBAAC	MANUAL DOOR LOCKS
CBFAA	LESS DR ENTRY REMOTE CNTR UNIT
CHAAA	LESS ROOF OPENING PANELS
CJDAA	LESS BODY TU-TONE PAINT
CJRAA	LESS BODYSIDE ACCENT STRIPE
CLFAC	FRONT BUMPER-STEEL-PAINTED-STD
CLMAM	REAR BUMPER-STEEL STEP-PAINTED
CLVAB	FRT LICENSE PLATE BRKT/HOLDER
CPBAB	ACTIVE SEAT BELTS-FRONT
CPGAB	AIR BAG RESTRAINT-DRIVER
CPHAB	AIR BAG RESTRAINT-PASS
CPIAB	ADJUSTIBLE'D' RING-DRV SEAT
CPQAB	PASS AIR BAG DEACTIVATION
CSHAB	FRAME MOUNTED TIRE CARRIER
D17AD	SPARE WHEEL-CONVENTIONAL STEEL
D1DAB	STD DUTY DUAL FRT SHOCK ABS
D1GAB	STANDARD DUTY REAR SHOCK ABS
D2AAB	SINGLE REAR WHEELS
D2XAH	7.0 X 16" STEEL ROAD WHEELS
D2ZAA	NO DESCRIPTION AVAILABLE
D3JUC	LT235/85R-16E BSW A-S
D3MAD	CONVENTIONAL SPARE TIRE
D5AAA	LESS WHEEL COVERS
D5DAC	BLACK HUB COVERS
DEBAF	IMMERSSION HEATER-ENGINE
DWEAA	LESS ATTITUDE/RIDE HEIGHT PACK
DYAAE	STANDARD DUTY FRT SUSPENSION
DYKAB	FRONT STABLIZER BAR
DZAAC	HEAVY DUTY REAR SPRINGS
DZLAA	LESS REAR STABLIZER BAR
EGAJB	3.73 FINAL DRIVE RATIO
EGJAC	LIMITED SLIP REAR AXLE
EGLAB	FORD/VISTEON AXLE VENDOR
EJ1AA	LESS DECAL - PICKUP BOX
EJ2AB	RR AXLE/WH LUBE-MINERAL BASED
EJAGL	6084 LB REAR AXLE ASY
EKAAB	TWIN I BEAM FRONT AXLE
EM00B	49 STATE/FEDERAL REQUIREMENTS
F4AAA	LESS CATALYTIC CONVERTER

F5BAA	LESS EXHAUST PIPE EXTENSION
FBAAD	POWER 4-WHEEL DISC
FEAAB	4 WHL ANTI-LOCK BRAKES
FMJAA	LESS TRANSMISSION PWR TAKEOFF
FMLAA	LESS TRANSFER CASE
FMNAA	LESS SKID PLATES
FS00E	SEAT-FULL BENCH
GB1AA	LESS CLEAN FUEL FLEET VEHICLE
GBAAF	MID-SHIP FUEL TANK
GBKAA	LESS FU TNK PORT EXTEN TUBE
GBVAF	UNLEADED FUEL CAPABILITY
GBYAB	LOW SULFUR DIESEL FUEL CONTENT
GEBA A	LESS REMOTE ENGINE CONTROL
GMBAA	LESS STEERING DAMPER
GRAAC	TILT STEERING WHEEL
GTAAB	STEERING WHEEL-BASE
GTDAB	SPEED CONTROL
GZAAA	LESS AUXILIARY HEATER
HDHAB	MPH/KPH SPEEDOMETER
HLHAA	LESS PROXIMITY SENSOR
HNDAA	LESS ENG IMMOBILIZER THEFT SYS
HTAAC	HEAVY DUTY BATTERY
HUAAC	HEAVY DUTY ALTERNATOR
IBAAF	ELECTRONIC AM/FM/STRO/CLOCK
IBMAB	NAAO RADIO FREQUENCY
J5AAA	LESS 4X4 VERSION PACK
JBBAH	SEALED BEAM - HEADLAMPS
JBCAA	LESS DAYTIME RUNNING LAMPS
JBKAA	LESS FRONT FOG LAMPS
JBPA A	LESS RF MARKER/CLEARANCE LIGHT
JCCAA	LESS ENGINE COMPARTMENT LIGHT
JCGAC	DUAL BEAM DOME MAP LIGHT
JCLAA	LESS GLOVE BOX LIGHTS
JCMAB	LOAD COMPARTMENT LIGHT
JDAAB	TAILLAMPS-LEVEL 1
JDDAB	HIGH MOUNTED STOP LAMP
JEDAB	CONVENTIONAL HEADLAMP CONTROL
MD00F	NO DESCRIPTION AVAILABLE
SBRVA	NO DESCRIPTION AVAILABLE
TAAKB	F81A 5310 RA L/F COIL

DE8791

TABEA	NO DESCRIPTION AVAILABLE
TACKB	F81A 5310 RA R/F COIL
TAPAA	TAPAA
TAQE3	NO DESCRIPTION AVAILABLE
TASAA	NO DESCRIPTION AVAILABLE
TATAA	PTO PAINT
TBKBA	NO DECAL
TC4G5	NO LPO 50S EMISS CALIB LABEL
WANAB	USA
XAENX	EXCEPT NORWAY
XAHAE	NO DESCRIPTION AVAILABLE
XANAC	EXCEPT CANADA
XAPAB	EXCEPT AUSTRALIA
XASAD	EXCEPT VENEZUELA
XATAB	EXCEPT GUAM
XSAAA	EXCEPT BAHRAIN
XSCAB	EXCEPT BELIZE
XSIAA	EXCEPT ANTIGUA
XSPAD	EXCEPT CHINA
XSSAC	EXCEPT BOLIVIA
YCBAB	TILT STRG/SPD CONTROL
YCCAB	SPARE STEEL WHL/CONV SPARE TIR
YCFAB	MRKT COMB-SD AIRBAG DRVR/PASS
YCKAC	MRKT COMB-2 WAY ST ADJ-DRV/PAS
YZDAB	TPO/ORDER CODE 600A
YZLAA	LESS FUEL GAS CAP KEYED
YZMAQ	EN-YB 6.0L V8 DS/GBVAJ DIESEL