

## 6.0L Powerstroke Super Duty/Excursion Calibration Update Summary

Note. As shown in the chart below, calibration release are cumulative.

Running Change (RC)	<u>RC1</u>	<u>RC2</u>	<u>RC3</u>	<u>RC3s</u>	<u>RC4</u>	<u>RC5</u>
1 <sup>st</sup> WDS level containing calibration	B22N.3	B23.4	B23.0.8	B24.5	B24.11	B26.7
SSM Number	16495	16575	16647	16744	16839	17048
Service Implementation (PCM/FICM)	12/13/2002	1/29/2003	2/20/2003	4/3/2003	5/8/2003	8/8/2003
Production Implementation - PCM	12/16/2002	2/4/2003	2/24/2003	n/a	5/19/2003	8/18/2003
Production Implementation - FICM	Job#1	Job#1	2/24/2003	3/31/2003	3/31/2003	8/18/2003
<b>Symptoms Addressed</b>						
Flare on upshifts from 3rd gear	X	X	X	X	X	X
Cold start rough idle in "Park" or "Neutral"		X	X	X	X	X
Cold restart rough idle in "Park" or "Neutral"		X	X	X	X	X
Cold idle kicker enhancement (for improved cab heat during extended idles)		X	X	X	X	X
Cold start rough idle in "Drive" or "Reverse"			X	X	X	X
Cold start poor throttle response			X	X	X	X
Low power following a cold start/extended idle (may be cleared by cycling the key). Phase 1			X	X	X	X
Harsh Torqshift engagements			X	X	X	X
Harsh Torqshift 2-3 upshifts			X	X	X	X
Coasting Torqshift 5-3 downshifts			X	X	X	X
Cold Torqshift 3-5 flare			X	X	X	X
Modified Torqshift TR_DC values			X	X	X	X
Activation of cooling fan DTC P0528			X	X	X	X
Hesitation on light acceleration				X	X	X
Enhanced power take off (PTO) functionality				X	X	X

Low power following a cold start/extended idle (may be cleared by cycling the key). Phase 2	X	X
False cooling fan DTC P0528	X	X
No/slow accel. pedal response when engaging Torqshift transmission	X	X
Rough idle/RPM surge/smoke on very light throttle tip-in that is most noticeable while maneuvering a load		X
Improved air conditioner performance at idle		X
Minor manual transmission launch performance enhancements		X
Smoother downshift when in tow/haul mode around 20 mph		X
Improved performance during vehicle operation at low altitude/high barometric pressure		X
Diagnostic upgrades		X
CAN communication protocol upgrades to improve compatibility with some aftermarket scan tools		X

## 6.0L Powerstroke PCM Calibration Reference

Note: RC = running change

F250/350 Manual Transmission						
ID	1st WDS Level	PCM P/N	PCM catchword	PCM CAL	FICM CAL	TCM CAL
<b>Federal Emissions</b>						
Job #1		3C3A-12A650-BHG	HBF6	VXAL2Z4.HEX	AIZ2AH09.HEX	TQAQ3Q3.HEX
RC1	B22N.3	3C3A-12A650-BHH	HBF7	VXAL2Q3.HEX	AIZ2AH09.HEX	TQAQ3Z9.HEX
RC2	B23.4	3C3A-12A650-BHJ	HBF8	VXAM0Z 7.HEX	AIZ2AH09.HEX	TQAQ3ZW.HEX
RC3	B23.0.8	3C3A-12A650-BHK	HBF9	VXAM0Z 9.HEX	AIZ2AH14.HEX	TQAR1Z8.HEX
RC3s	B24.5	3U7A-12A650-CRA	RGW0	VXAM0ZZ.HEX	AKZ2AH14.HEX	TQAR1Z6.HEX
RC4	B24.11	3C3A-12A650-BHL	ADM0	VXAM2Q7.HEX	AKZ2AH14.HEX	TQAR1Z4.HEX
RC5	B26.7	3C3A-12A650-BHM	ADM1	VXAM6Z4.HEX	AKZ2AH15.HEX	TQAR1ZW.HEX
<b>California Emissions</b>						
Job #1		3C3A-12A650-BJG	JEL6	VXAL2QZ.HEX	AIZ2AH09.HEX	TQAQ3Q4.HEX
RC1	B22N.3	3C3A-12A650-BJH	JEL7	VXAL2ZZ.HEX	AIZ2AH09.HEX	TQAQ3ZU.HEX
RC2	B23.4	3C3A-12A650-BJJ	JEL8	VXAM0Z6.HEX	AIZ2AH09.HEX	TQAQ3ZT.HEX
RC3	B23.0.8	3C3A-12A650-BJK	JEL9	VXAM0Z8.HEX	AIZ2AH14.HEX	TQAR1Z9.HEX
RC3s	B24.5	3U7A-12A650-CSA	SET0	VXAM0ZY.HEX	AKZ2AH14.HEX	TQAR1Z 7.HEX
RC4	B24.11	3C3A-12A650-BJL	BEY0	VXAM2Q4.HEX	AKZ2AH14.HEX	TQAR1ZY.HEX
RC5	B26.7	3C3A-12A650-BJM	BEY1	VXAM6B6.HEX	AKZ2AH15.HEX	TQAR1ZV.HEX

F450/550 Manual Transmission						
ID	1st WDS Level	PCM P/N	PCM catchword	PCM CAL	FICM CAL	TCM CAL
<b>50 State Emissions</b>						
Job #1		3C3A-12A650-BMG	MAT6	VXAL2R2.HEX	AIZ2AH09.HEX	TQAQ3R5.HEX
RC1	B22N.3	3C3A-12A650-BMH	MAT7	VXAL2R4.HEX	AIZ2AH09.HEX	TQAQ3RZ.HEX
RC2	B23.4	3C3A-12A650-BMJ	MAT8	VXAM0R2.HEX	AIZ2AH09.HEX	TQAQ3RY.HEX
RC3	B23.0.8	3C3A-12A650-BMK	MAT9	VXAM0R4.HEX	AIZ2AH14.HEX	TQAR1RZ.HEX
RC3s	B24.5	3U7A-12A650-CTA	TKE0	VXAM0R6.HEX	AKZ2AH14.HEX	TQAR1R8.HEX
RC4	B24.11	3C3A-12A650-BML	CNN0	VXAM2R4.HEX	AKZ2AH14.HEX	TQAR1R4.HEX
RC5	B26.7	3C3A-12A650-BMM	CNN1	VXAM6R4.HEX	AKZ2AH15.HEX	TQAR1RY.HEX

## 6.0L Powerstroke PCM Calibration Reference

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F250/350 Automatic Transmission						
ID	1st WDS Level	PCM P/N	PCM catchword	PCM CAL	FICM CAL	TCM CAL
<b>Federal Emissions</b>						
Job #1		3C3A-12A650-BDG	BKG6	VXAL2N2.HEX	AIZ2AH09.HEX	TQAQ3N6.HEX
RC1	B22N.3	3C3A-12A650-BDH	BKG7	VXAL2N4.HEX	AIZ2AH09.HEX	TQAQ3N5.HEX
RC2	B23.4	3C3A-12A650-BDJ	BKG8	VXAM0N5.HEX	AIZ2AH09.HEX	TQAQ3NR.HEX
RC3	B23.0.8	3C3A-12A650-BDK	BKG9	VXAM0N8.HEX	AIZ2AH14.HEX	TQAR1NZ.HEX
RC3s	B24.5	3U7A-12A650-CUA	UZRO	VXAM0NU.HEX	AKZ2AH14.HEX	TQAR1N9.HEX
RC4	B24.11	3C3A-12A650-BDL	DAX0	VXAM2N5.HEX	AKZ2AH14.HEX	TQAR1NR.HEX
RC5	B26.7	3C3A-12A650-BDM	DAX1	VXAM6N3.HEX	AKZ2AH15.HEX	TQAR1NN.HEX
<b>California Emissions</b>						
Job #1		3C3A-12A650-BFG	FFM6	VXAL2N3.HEX	AIZ2AH09.HEX	TQAQ3N7.HEX
RC1	B22N.3	3C3A-12A650-BFH	FFM7	VXAL2N6.HEX	AIZ2AH09.HEX	TQAQ3NU.HEX
RC2	B23.4	3C3A-12A650-BFJ	FFM8	VXAM0NY.HEX	AIZ2AH09.HEX	TQAQ3NP.HEX
RC3	B23.0.8	3C3A-12A650-BFK	FFM9	VXAM0NV.HEX	AIZ2AH14.HEX	TQAR1N2.HEX
RC3s	B24.5	3U7A-12A650-CVA	VGX0	VXAM0N2.HEX	AKZ2AH14.HEX	TQAR1NY.HEX
RC4	B24.11	3C3A-12A650-BFL	EVR0	VXAM2N6.HEX	AKZ2AH14.HEX	TQAR1NS.HEX
RC5	B26.7	3C3A-12A650-BFM	EVR1	VXAM6N4.HEX	AKZ2AH15.HEX	TQAR1NM.HEX

F450/550 Automatic Transmission						
ID	1st WDS Level	PCM P/N	PCM catchword	PCM CAL	FICM CAL	TCM CAL
<b>50 State Emissions</b>						
Job #1		3C3A-12A650-BKG	KMA6	VXAL2P2.HEX	AIZ2AH09.HEX	TQAQ3P8.HEX
RC1	B22N.3	3C3A-12A650-BKH	KMA7	VXAL2P4.HEX	AIZ2AH09.HEX	TQAQ3P5.HEX
RC2	B23.4	3C3A-12A650-BKJ	KMA8	VXAM0P4.HEX	AIZ2AH09.HEX	TQAQ3P6.HEX
RC3	B23.0.8	3C3A-12A650-BKK	KMA9	VXAM0P7.HEX	AIZ2AH14.HEX	TQAR1P3.HEX
RC3s	B24.5	3U7A-12A650-CXA	XAC0	VXAM0P9.HEX	AKZ2AH14.HEX	TQAR1P2.HEX
RC4	B24.11	3C3A-12A650-BKL	FUJ0	VXAM2P5.HEX	AKZ2AH14.HEX	TQAR1P5.HEX
RC5	B26.7	3C3A-12A650-BKM	FUJ1	VXAM6P3.HEX	AKZ2AH15.HEX	TQAR1PY.HEX

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Excursion						
ID	1st WDS Level	PCM P/N	PCM catchword	PCM CAL	FICM CAL	TCM CAL
<b>Federal Emissions</b>						
Job #1		3C7A-12A650-GG	NFW6	VXAL2NY.HEX	AIZ2AH09.HEX	TQAQ3A9.HEX
RC1	B22N.3	3C7A-12A650-GH	NFW7	VXAL2NW.HEX	AIZ2AH09.HEX	TQAQ3NT.HEX
RC2	B23.4	3C7A-12A650-GJ	NFW8	VXAM0N4.HEX	AIZ2AH09.HEX	TQAQ3NN.HEX
RC3	B23.0.8	3C7A-12A650-GK	NFW9	VXAM0Z 7.HEX	AIZ2AH14.HEX	TQAR1N4.HEX
RC3s	B24.5	3U7A-12A650-CYA	YFD0	VXAM0N9.HEX	AKZ2AH14.HEX	TQAR1NW.HEX
RC4	B24.11	3C7A-12A650-GL	GYM0	VXAM2A5.HEX	AKZ2AH14.HEX	TQAR1NP.HEX
RC5	B26.7	3C7A-12A650-GM	GYM1	VXAM6NZ.HEX	AKZ2AH15.HEX	TQAR1NK.HEX
<b>California Emissions</b>						
Job #1		3C7A-12A650-HG	PBD6	VXAL2NZ.HEX	AIZ2AH09.HEX	TQAQ3BZ.HEX
RC1	B22N.3	3C7A-12A650-HH	PBD7	VXAL2N5.HEX	AIZ2AH09.HEX	TQAQ3NS.HEX
RC2	B23.4	3C7A-12A650-HJ	PBD8	VXAM0NZ.HEX	AIZ2AH09.HEX	TQAQ3NM.HEX
RC3	B23.0.8	3C7A-12A650-HK	PBD9	VXAM0NW .HEX	AIZ2AH14.HEX	TQAR1N5.HEX
RC3s	B24.5	3U7A-12A650-CZA	ZUN0	VXAM0NT.HEX	AKZ2AH14.HEX	TQAR1N3.HEX
RC4	B24.11	3C7A-12A650-HL	HAY0	VXAM2B5.HEX	AKZ2AH14.HEX	TQAR1N7.HEX
RC5	B26.7	3C7A-12A650-HM	HAY1	VXAM6NY.HEX	AKZ2AH15.HEX	TQAR1NJ.HEX