

Page Supplements

For PT Fuel System

Master Parts Book

Bulletin No. 966686-A

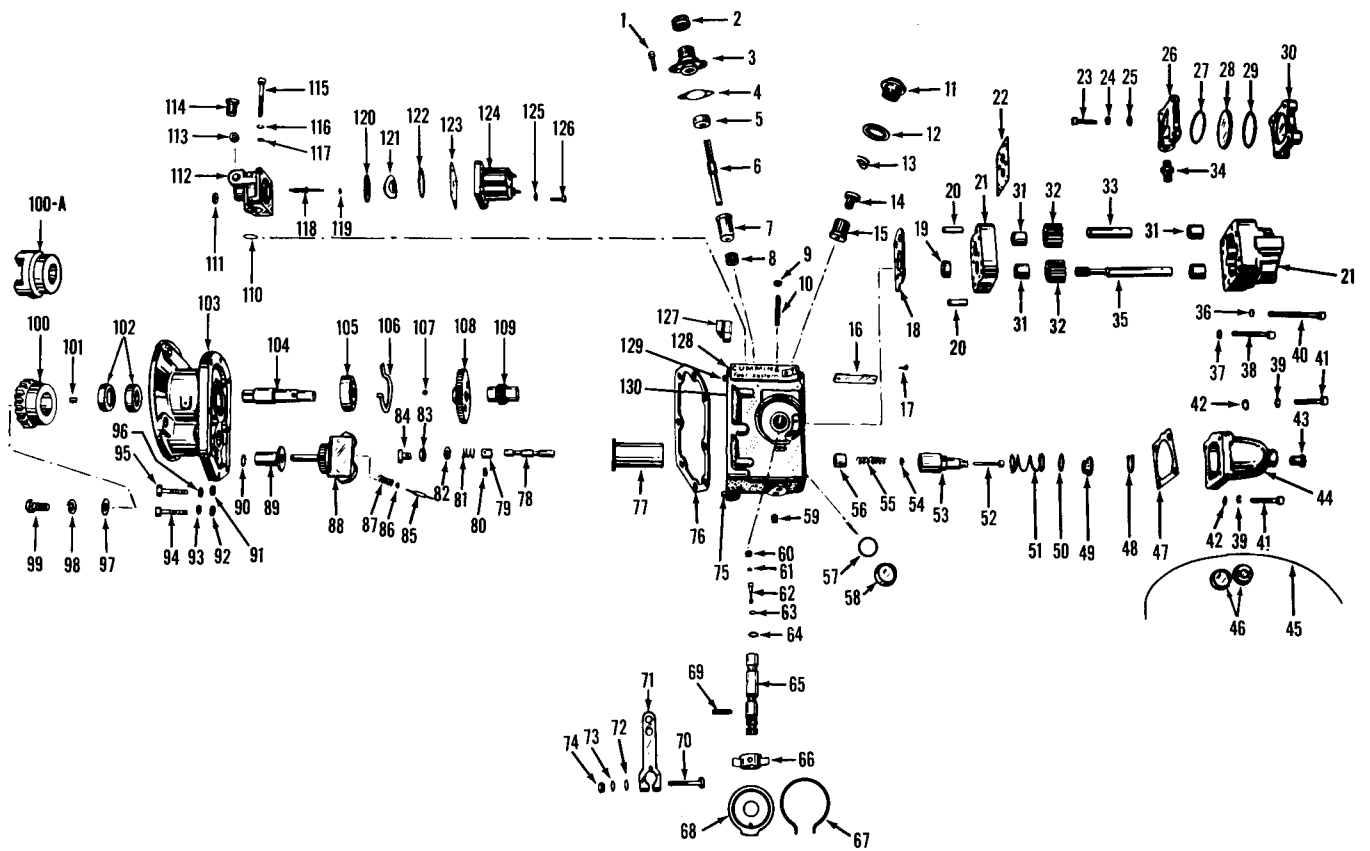


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GOVERNOR CONTROLLED P T FUEL PUMP

Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.	Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.
FUEL PUMP HOUSING (Section 1)				SPRING PACK (Section 3)			
128		Housing assembly, fuel pump	1	44		Cover, spring pack	1
130		Bushing, tachometer drive	1			Spring assembly, governor	1
129		Dowel, body to cover	1	50		Shim, governor	Use
75		Dowel, ring	1	50		Shim, governor	As
		Drive assembly, governor plunger	1	50		Shim, governor	Req'd.
84		Driver, governor plunger	1	51		Spring, governor	1
80		Pin, governor plunger	1	56		Plunger, idle spring	1
78		Plunger, governor	1	49		Retainer, high speed spring	1
82		Shim, by-pass valve	1	48		Ring, snap	1
82		Shim, by-pass valve	1			Spring pack, idling	1
82		Shim, by-pass valve	1	53		Guide and clip assembly	1
79		Spacer, governor plunger	1	52		Screw, idle adjusting	1
83		Washer, thrust	1	55		Spring, idle	1
77		Housing, spring pack	1	54		Washer, adjusting screw	1
		Shaft assembly, throttle control	1	43		Plug, pipe	1
61		Lockwasher	1	46		Seal	1
69		Pin, throttle stop	1	45		Wire, seal	1
60		Screw, set, throttle shaft	1	Mounting Parts			
64		Seal, "O" ring	1	41		Capscrew, spring pack cover to housing	4
65		Shaft, throttle	1	47		Gasket, spring pack cover to housing	1
66		Stop, throttle shaft	1	39		Lockwasher, spring pack cover to housing	4
62		Plunger	1	42		Washer, plain	4
63		Shim, throttle adjusting plunger	1	MAIN SHAFT, COVER AND GOVERNOR (Section 4)			
127		Elbow, fuel outlet	1			Cover assembly, mainshaft and governor	1
9		Nut, throttle adjusting	2	99		Capscrew, coupling	1
16		Nameplate	1	100		Coupling, half, fuel pump	1
57		Packing, "O" ring	1	103		Cover, bearing and seal assembly	1
59		Plug, pipe	3	102		Seal, front cover oil	2
58		Plug, housing	1			Shaft assembly, fuel drive	1
17		Screw, drive	2	105		Bearing, ball	1
10		Screw, throttle adjusting	2	108		Gear, fuel pump drive shaft	1
THROTTLE CONTROL SHAFT (Section 2)				109		Gear, tachometer drive	1
70		Capscrew, throttle lever	1	107		Key, ball	1
68		Cover, throttle shaft	1	104		Shaft, fuel pump drive	1
71		Lever, throttle	1	88		Governor weight and carrier assembly	1
		Lockwasher, throttle lever	1	89		Bushing	1
9		Nut, throttle adjusting screw	2	98		Governor carrier assembly	1
74		Nut, throttle lever capscrew	1	90		Ring, snap	1
10		Screw, throttle adjusting	2	86		Shim, weight assist	1
		Shaft assembly, throttle control	1	87		Spring, weight assist	1
61		Lockwasher	1	85		Plunger, weight assist	1
64		"O" ring	1	101		Key, coupling	1
69		Pin, throttle stop	1	98		Lockwasher, coupling	1
62		Plunger, fuel adjusting	1	106		Ring, snap, bearing retainer	1
60		Set screw	1	97		Washer, plain, coupling	1
65		Shaft, throttle	1	95		Capscrew, cover	1
66		Stop, throttle shaft	1	94		Capscrew, cover	6
67		Snap wire, throttle shaft cover	1	76		Gasket, front cover housing	1
73		Washer, plain, throttle lever	1	93		Lockwasher, front cover housing	6

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GOVERNOR CONTROLLED PT FUEL PUMP

Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.	Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.
MAIN SHAFT, COVER AND GOVERNOR (Cont'd)				FUEL PUMP DAMPER (Section 9)			
96		Lockwasher, front cover housing	1			Damper assembly, fuel	1
81		Spring, torque control	1	23		Capscrew, plate to housing	4
92		Washer, cover	6	28		Diaphragm	1
91		Washer, cover	1	26		Housing, damper	1
FUEL PUMP FILTER (Section 5)				34		Nipple	1
		Screen and magnet assembly	1	27		"O" ring	1
14		Retainer and magnet assembly	1	29		"O" ring	1
15		Retainer and screen assembly	1	30		Plate cover	1
11		Cap filter	1	24		Lockwasher, plate to housing	4
12		Seal, filter cap	1	25		Washer, plate to housing	4
13		Spring, filter	1	GEAR PUMP (Section 9)			
TACHOMETER DRIVE (Section 5)						Gear pump assembly	1
3		Housing assembly, tachometer drive	1	38		Capscrew, cover to housing	4
		Drive assembly, tachometer	1	21		Cover and housing assembly	1
7		Bushing, tachometer drive	1	31		Bearing, needle	4
8		Gear, tachometer drive	1	20		Dowel	2
6		Shaft, tachometer drive	1	22		Gasket, cover to housing	1
2		Cap, dust	1	32		Gear, pump	2
1		Capscrew, tachometer drive to housing	2	37		Lockwasher, cover to housing	4
4		Gasket, tachometer drive housing	1			Plug, pipe	1
5		Seal, tachometer drive oil	1	19		Ring, dowel	1
SHUTDOWN VALVE (Section 7)				35		Shaft, drive	1
		Valve assembly, shut-off	1	33		Shaft, driven	1
126		Capscrew, coil to housing	4	Mounting Parts			
124		Coil assembly	1	40		Capscrew, gear pump to fuel pump housing	4
112		Housing, shut-off valve	1	18		Gasket, gear pump to fuel pump housing	1
111		Knob, manual override	1	36		Lockwasher, gear pump to fuel pump housing	4
125		Lockwasher, coil to housing	4				
122		"O" ring, coil to housing	1				
119		"O" ring, shaft	1				
113		Plug, pipe	1				
118		Shaft, manual override	1				
123		Shield, fuel	1				
121		Spring	1				
120		Valve	1				
Mounting Parts							
114		Connection, shutdown valve	1				
115		Capscrew, valve to housing	2				
116		Lockwasher, valve to housing	2				
110		"O" ring, valve to housing	2				
117		Washer, valve to housing	2				

FUEL PUMP HOUSING

GOVERNOR CONTROLLED FUEL PUMP

Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.	Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.
Mechanical Governor Type				GROUP B—Model NT-335			
GROUP A—All Models except V6-200, V8-265, V12 Series				Same as Group A except parts shown below:			
128	BM-67409	Housing assembly, fuel pump, right hand (139230)	1	128	BM-70507	Housing assembly, fuel pump, left hand (138980)	1
130	100193	Bushing, tachometer drive gear	1	GROUP C—Model NT-280			
129	103729	Dowel, master, body to cover	1	Same as Group A except parts shown below:			
75	118227	Dowel, ring, body to cover	1	128	BM-71772	*Housing assembly, fuel pump, right hand (146780)	1
	BM-74970	Drive assembly, governor plunger (class O)	1	78	BM-71216	*Housing assembly, fuel pump, left hand (146781)	1
84	70690	Driver, governor plunger	1	GROUP D—Models V6-200, V8-265, V-12			
80	137372	Pin, governor plunger	1	Same as Group A except parts shown below:			
78	149420	Plunger, governor drive	1	128	BM-74319	Housing assembly, fuel pump, right hand (139230)	1
83	138905	Washer, thrust	1		BM-72530	Drive, governor plunger	1
79	144302	Spacer, governor plunger	1	78	148720	Plunger, governor drive	1
82	101841	Shim, plunger	Use	GROUP E—All Models			
	101842	Shim, plunger	As	Same as Group A except parts shown below:			
	101843	Shim, plunger	Req'd.	128	BM-74910	Housing assembly, fuel pump, right hand (139230)	1
77	140618	Housing, spring pack	1		BM-72520	Drive, governor plunger	1
	BM-69700	Shaft, throttle control (class O)	1	78	148730	Plunger, governor drive	1
61	S-692	Lockwasher	1	GROUP F—Models NH-250, NT-380			
64	70415	"O" ring	1	Same as Group A except parts shown below:			
69	70729	Pin, throttle stop	1	128	BM-70259	*Housing assembly, fuel pump, right hand (139230)	1
62	141676	Plunger, fuel adjusting	1		BM-70290	Shaft, throttle control (Class O)	1
60	142149	Setscrew	1	78	144830	Shaft, throttle control	1
63	142179	Shim	1	GROUP G—Model NRT0			
65	144530	Shaft, throttle control	1	Same as Group A except parts shown below:			
66	101124	Stop, throttle shaft	1	BM-74273	Housing assembly, fuel pump, right hand (139230)	1	
127	S-1040-A	Elbow, fuel outlet	1	BM-74268	Housing assembly, fuel pump, left hand (138980)	1	
9	S-251	Nut, throttle adjusting	2	BM-74230	Drive, governor plunger	1	
57	43696-A	"O" ring, body plug	1	150830	Plunger, governor drive	1	
16	105375	Plate, name	1	* Use with Woodward governor.			
59	68606	Plug, pipe	3	/ Use with vented injectors only.			
58	139473	Plug, body	1				
17	S-2267	Screw, name plate	2				
10	109915	Screw, throttle adjusting	2				
81		Spring, torque (Reference tabulation: Section 3)	1				

Note: Groups D, E, F, and G; use for identical replacements only.

INSTRUCTIONS FOR ORDERING ASSEMBLED FUEL PUMPS:

Instructions for ordering.

J, C, H, NH, NT, R.H. engines require R.H. fuel pumps. V6-200, V8-265, NHH, L, V-12 R.H. engines require L.H. fuel pumps. V8-300, 350, VT-400, VT-430 R.H. engines with fuel pump mounted in "Vee" require R.H. fuel pumps. When the fuel pump is rear mounted, R.H. engines require L.H. compressor type fuel pumps.

PARTS INDENTED ARE INCLUDED IN THE PART UNDER WHICH THEY ARE INDENTED

FUEL PUMP HOUSING (Cont'd)

GOVERNOR CONTROLLED FUEL PUMP

GOVERNOR PLUNGER DRIVE TABULATION (ALL MODELS)**STANDARD**
Class 0**Class 1****Class 2****OVERSIZES****Class 3****Class 4****Class 5****MECHANICAL GOVERNOR**BM-74970
149420BM-74971
149421BM-74972
149422BM-74973
149423BM-74974
149424BM-74975
149425/ BM-74230
150830/ BM-74231
150831/ BM-74232
150832/ BM-74233
150833/ BM-74234
150834/ BM-74235
150835BM-72530
148720BM-72531
148721BM-72532
148722BM-72533
148723BM-72534
148724BM-72535
148725BM-72520
148730BM-72521
148731BM-72522
148732BM-72523
148733BM-72524
148734BM-72525
148735* BM-70640
144320* BM-70641
144321* BM-70642
144322* BM-70643
144323* BM-70644
144324* BM-70645
144325* BM-67410
143920* BM-67411
143921* BM-67412
143922* BM-67413
143923* BM-67414
143924* BM-67415
143925

* Use for identical replacement only.

/ Standard for NRTD engines.

NOTES**WHEN ORDERING PARTS ALWAYS GIVE ENGINE SERIAL NUMBER**

THROTTLE CONTROL SHAFT

GOVERNOR CONTROLLED FUEL PUMP

Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.	Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.
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MECHANICAL GOVERNOR**GROUP A—All Models**

70	S-159-B	Capscrew, throttle lever	1
68	100765	Cover, throttle shaft	1
71	*44680	Lever, throttle	1
	S-600	Lockwasher, throttle lever	1
9	S-251	Nut, throttle adjusting screw	2
74	S-251	Nut, throttle lever capscrew	1
10	109915	Screw, throttle adjusting	2
	BM-69700	Shaft assembly, throttle control	1
61	S-692	Lockwasher	1
64	70415	"O" ring	1
69	70729	Pin, throttle stop	1
62	141676	Plunger, fuel adjusting	1
60	142149	Set screw	1
65	144530	Shaft, throttle	1
66	101124	Stop, throttle shaft	1
67	S-16206	Snap wire, throttle shaft cover	1
73	70704	Washer, plain, throttle lever	1

GROUP B—Models NH-250, NT-380 having vented injectors

Same as Group A except parts shown below:

	BM-70290	Shaft, throttle control	1
65	144830	Shaft, throttle	1

* For complete listing of throttle levers refer to
Section 2, Page 1 issued 7-59.

THROTTLE CONTROL SHAFT TABULATION

GOVERNOR CONTROLLED FUEL PUMP

STANDARD Class 0	Class 1	Class 2	OVERSIZES Class 3	Class 4	Class 5
Mechanical Governor All Models					
BM-69700 144530	BM-69701 144531	BM-69702 144532	BM-69703 144533	BM-69704 144534	BM-69705 144535
Mechanical Governor Models NH-250, NT-380 HAVING VENTED INJECTORS					
BM-70290 144830	BM-70291 144831	BM-70292 144832	BM-70293 144833	BM-70294 144834	BM-70295 144835

[illegible]

SPRING PACK

GOVERNOR CONTROLLED FUEL PUMP

Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.	Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.
Mechanical Governor Type				GROUP A—(Cont'd)			
GROUP A—All Models				43	70295	Plug, pipe	1
44	44678	Cover, spring pack	1	46	124019	Seal	2
.....		Spring assembly, governor high speed (Reference tabulation: page 3 thru 8)	1	45	124020	Wire, seal	2
50	70717	Shim, governor	Use	Mounting Parts			
	70717-A	Shim, governor	As	41	{ S-172-C	Capscrew, cover to housing	2
	70717-B	Shim, governor	Req'd.		{ 138973	Capscrew, cover to housing	2
51		Spring (Reference tabulation Page 3 thru 8)	1	47	70705	Gasket, cover to housing	1
56		Plunger, idle spring (Reference tabulation: Page 3 thru 8)	1	39	S-600	Lockwasher, cover to housing	4
49	70713	Retainer, high speed spring	1	42	70704	Washer, cover to housing	4
	S-16240	Ring, snap	1	GROUP B—Model V8-350			
	BM-69889	Pack, idle spring	1	Same as Group A except parts shown below:			
53	BM-67416	Guide and clip assembly (139292)	1	BM-67417	*Pack assembly, idle spring		1
52	70716	Screw, idle adjusting	1	138811	Spring, inner idle		1
55	144195	Spring, idling	1	138810	Spring, outer idle		1
	70715	Washer, adjusting screw	1	* Use for identical replacement only.			

NOTES

PARTS INDENTED ARE INCLUDED IN THE PART UNDER WHICH THEY ARE INDENTED

FUEL PUMP CODE

GOVERNOR CONTROLLED FUEL PUMP

Engine Model	No. Code	Letter Code	Engine Model	No. Code	Letter Code	Engine Model	No. Code	Letter Code
J-70	01	AO	✓ NH-180	01	AJ	V8-350	01	BT
J-4	01	BO	✓ NHE-180	01	AK	✓ V8-350	50	BT
J-70-F	01	CO	✓ NH-195	01	AL	✓ VT-430	01	BU
J-80	01	DO	✓ NHE-195	01	AM	✓ VT-430	50	BU
✓ J-6	01	EO	✓ NH-220	01	AN	A-4	01	BV
✓ JF-6	01	FO	✓ NH-250	01	AP	A-6	01	BW
✓ JN-130	01	GO	✓ NH-250	50	AP	✓ VT-700	01	BY
✓ JS-6	01	HO	✓ NHS-6	01	AR	✓ VT-700	50	BY
✓ JNS-6	01	JO	✓ NHRS-6	01	AS	✓ NVH-550	01	BX
JT-4	01	KO	NFT-6	01	AT	✓ NVH-525	50	BX
✓ JT-6	01	LO	✓ NT-6	01	AU	✓ NT-335	01	BZ
C-90	01	MO	✓ NTO-6	01	AV	✓ NT-335	50	BZ
C-105	01	NO	✓ NTO-280	01	AW	✓ NT-280	01	CA
C-140	01	PO	✓ NRT-6	01	AX	✓ NT-280	50	CA
✓ C-160	01	RO	✓ NRT0-6	01	AY	✓ JNF-6	01	CB
✓ C-175	01	SO	✓ NT-380	01	AZ	✓ CF-160	01	CC
✓ C-180	01	TO	✓ NT-380	50	AZ			
C-200	01	UO	NT-420	01	BA	✓ NVH-12	01	BK
H-4	01	WO	NHH-180	01	BB	NVHS-12	01	BL
HR-4	01	XO	NHH-195	01	BC	✓ VT-12(5 1/8)	01	BN
HRC-4	01	YO	NHH-220	01	BD			
✓ H-6	01	ZO	NHHT-6	01	BE			
✓ HR-6	01	AA	NHHTO-6	01	BF	✓ V8-265	50	CD
✓ HRF-6	01	AB	NHHRS-6	01	BG	✓ V6-200	50	CE
✓ HS	01	AC	NHHRT-6	01	BH			
✓ HRS	01	AD	NHHRTO-6	01	BJ			
✓ NHC-4	01	AE	L-6	01	BP			
NT-165	01	AF	LR-6	01	BR			
NT-180	01	AG	LRT-6	01	BS			
NT-200	01	AH						

✓ IDENTIFIES AVAILABLE FUEL PUMPS TO DATE

KEY TO FUEL PUMP CODING:

BM number identifies the type of pump, lever and rotation. (Reference P. I. B. 1012)

Numerical codes (01) and/or (50) etc. identifies horse power and R. P. M.

Numerical codes (01) etc. identifies fuel systems which use other than PTB injectors.

Numerical code (50) etc. identifies fuel systems which use PTB injectors. *

Letter codes (AZ) etc. identifies a specific engine model.

CAUTION: When ordering a complete Fuel Pump for a specific application be sure to specify the complete BM- number and code; example BM-00000-01EO.

WHEN ORDERING PARTS ALWAYS GIVE ENGINE SERIAL NUMBER

FUEL PUMP CODE (Cont'd)

Section 3

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FUEL PUMP ORDERING CODE TABULATION

GOVERNOR CONTROLLED FUEL PUMP

Engine Model	H. P.	RPM	F. P. Code	Idle Spring Plunger	Torque Spring	Shims	Governor Spring	Governor Weights	G. P. (Size)	Aneroid
J-6	100	1800	01EO	145971	142697	None	BM-73835 (143254)	BM-72537 (148229)	(3/4")	None
JF-6	110	2200	01FO	145963	139585	None	BM-74737 (143254)	BM-72537 (148229)	(3/4")	None
JN-6	130	2500	01GO	135958	139586	None	BM-71484 (70711-B)	BM-69885 (139276)	(3/4")	None
JN-6	123	2200	02GO	145969	139585	5 Req.	BM-72514 (135158)	BM-72537 (148229)	(3/4")	None
JN-6	117	2000	03GO	145961	139585	None	BM-74054 (135158)	BM-72537 (148229)	(3/4")	None
JS-6	160	2500	01HO	145952	138783	2 Req.	BM-74297 (143248)	BM-69885 (139276)	(3/4")	None
JNS-6	175	2500	01JO	141637	139586	4 Req.	BM-72422 (143250)	BM-69885 (139276)	(3/4")	None
JNF-6	130	2800	01CB	145961	None	None	BM-73445 (143247)	BM-72537 (148229)	(3/4")	None
JT-6	175	2500	01LO	141625	139586	6 Req.	BM-71484 (70711-B)	BM-69885 (139276)	(3/4")	BM-62218-F
JT-6	162	2200	02LO	140925	139586	None	BM-71894 (70711-B)	BM-69885 (139276)	(3/4")	BM-62218-F
C-160	160	2500	01RO	145950	138785	4 Req.	BM-74652 (143252)	BM-72537 (148229)	(3/4")	None
CF-160	160	2800	01CC	145966	None	None	BM-73446 (147296)	BM-72537 (148229)	(3/4")	None
CF-160	154	2500	02CC	145965	None	None	BM-74774 (147294)	BM-72537 (148229)	(3/4")	None
C-175	175	2500	01SO	138862	139584	None	BM-74751 (143251)	BM-72537 (148229)	(3/4")	BM-62218-F
C-175	162	2200	02SO	139618	138783	2 Req.	BM-30730 (70711-A)	BM-69885 (139276)	(3/4")	BM-62218-F
C-180	180	2500	01TO	145948	138783	8 Req.	BM-72609 (70711-A)	BM-69885 (139276)	(3/4")	None
C-180	167	2200	02TO	137370	138783	None	BM-74050 (143252)	BM-69885 (139276)	(3/4")	None
H-6	160	1800	01ZO	140922	142707	None	BM-71515 (135158)	BM-69885 (139276)	(3/4")	None
H-6	158	1750	02ZO	141633	142707	None	BM-73068 (135158)	BM-69885 (139276)	(3/4")	None
HR-6	175	1800	01AA	141631	142698	1 Req.	BM-73896 (143253)	BM-69885 (139276)	(3/4")	None
HR-6	155	1500	02AA	141631	142698	1 Req.	BM-74745 (143254)	BM-69885 (139276)	(3/4")	None

PARTS INDENTED ARE INCLUDED IN THE PART UNDER WHICH THEY ARE INDENTED

FUEL PUMP CODE (Cont'd)**FUEL PUMP ORDERING CODE TABULATION (Cont'd)**

GOVERNOR CONTROLLED FUEL PUMP

Engine Model	H. P.	RPM	F. P. Code	Idle Spring Plunger	Torque Spring	Shims	Governor Spring	Governor Weights	G. P. (Size)	Aneroid
HRF-6	190	2000	01AB	140926	143253	None	BM-73350 (143253)	BM-69885 (139276)	(3/4")	None
HRF-6	190	2000	02AB	141629	138768	None	BM-68933 (70711-C)	BM-69885 (139276)	(3/4")	None
HRF-6	181	1800	03AB	140922	138782	2 Req.	BM-73835 (143254)	BM-69885 (139276)	(3/4")	None
HRF-6	181	1800	04AB	140419	138768	None	BM-28863 (70711-C)	BM-69885 (139276)	(3/4")	None
HS-6	210	1800	01AC	140924	142696	6 Req.	BM-74867 (70711-D)	BM-69885 (139276)	(3/4")	None
HRS-6	240	1800	01AD	138862	138768	None	BM-71515 (135158)	BM-69885 (139276)	(3/4")	None
HRS-6	240	1800	02AD	138862	138768	None	BM-28863 (70711-C)	BM-69885 (139276)	(3/4")	None
HRS-6	211	1500	03AD	141663	138768	None	BM-74745 (143254)	BM-69885 (139276)	(3/4")	None
NHC-4			01AE		(Not released)					
NHC-4	125	1800	02AE	140927	None	None	BM-74846 (143251)	BM-69885 (139276)	(3/4")	None
NH-180	180	2100	01AJ	140418	138787	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NH-180	177	1950	02AJ	140923	138785	None	BM-31634 (70711-C)	BM-69885 (139276)	(3/4")	None
NHE-180	180	1950	01AK	141632	142867	None	BM-74053 (143253)	BM-69885 (139276)	(3/4")	None
NHE-180	175	2100	02AK	141636	138781	2 Req.	BM-68523 (70711-C)	BM-69885 (139276)	(3/4")	None
NH-195	195	2100	01AL	141632	138785	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NH-195	176	1800	02AL	139894	138785	None	BM-73896 (143253)	BM-69885 (139276)	(3/4")	None
NHE-195	195	1950	01AM	131634	None	None	BM-74053 (143253)	BM-69885 (139276)	(3/4")	None
NH-220	220	2100	01AN	139619	138780	None	BM-73968 (143251)	BM-69885 (139276)	(3/4")	None
NH-220	194	2100	02AN	139619	142865	None	BM-73008 (143252)	BM-69885 (139276)	(3/4")	None
NH-220	210	1950	03AN	138862	138788	None	BM-31634 (70711-C)	BM-69885 (139276)	(3/4")	None
NH-220	191	1950	04AN	140924	138780	None	BM-31634 (70711-C)	BM-69885 (139276)	(3/4")	None

WHEN ORDERING PARTS ALWAYS GIVE ENGINE SERIAL NUMBER

FUEL PUMP CODE (Cont'd)

Section 3

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FUEL PUMP ORDERING CODE TABULATION (Cont'd)

Issued 10-61

GOVERNOR CONTROLLED FUEL PUMP

Engine Model	H. P.	RPM	F. P. Code	Idle Spring Plunger	Torque Spring	Shims	Governor Spring	Governor Weights	G. P. (Size)	Aneroid
NH-220	195	1950	05AN	141636	138768	None	BM-31634 (70711-C)	BM-69885 (139276)	(3/4")	None
NH-220	165	2000	06AN	140925	138768	None	BM-28862 (70711-B)	BM-69885 (139276)	(3/4")	None
NH-220	201	1900	07AN	140925	138768	None	BM-32799 (70711-C)	BM-69885 (139276)	(3/4")	None
NH-220	220	2100	08AN	139618	138782	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NH-220	203	1800	09AN	139618	138768	None	BM-48844 (70711-B)	BM-69885 (139276)	(3/4")	None
NH-220	198	1750	10AN	141634	138768	None	BM-73069 (143254)	BM-69885 (139276)	(3/4")	None
NH-220	167	1800	11AN	140927	138780	None	BM-73835 (143254)	BM-69885 (139276)	(3/4")	None
NH-220	203	1800	12AN	140923	None	None	BM-74846 (143251)	BM-69885 (139276)	(3/4")	None
NH-220	132	1200	13AN	137370	None	None	BM-74775 (143255)	BM-69885 (139276)	(3/4")	None
NH-220	200	2000	14AN	139619	138780	None	BM-74780 (143252)	BM-69885 (139276)	(3/4")	None
NH-250	250	2100	01AP	140924	138785	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NH-250	220	2100	02AP	140966	139588	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NH-250	220	1950	03AP	140927	139588	None	BM-31634 (70711-C)	BM-69885 (139276)	(3/4")	None
NH-250	250	2100	*50AP	140924	138785	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NHS-6	290	2100	01AR	141632	None	None	BM-72442 (147293)	BM-69885 (139276)	(3/4")	None
NHRS-6	320	2100	01AS	139894	None	None	BM-72442 (147293)	BM-69885 (139276)	(3/4")	None
NHRS-6	311	2000	02AS	141633	142697	None	BM-28862 (70711-B)	BM-69885 (139276)	(3/4")	None
NHRS-6	284	1750	03AS	141633	None	None	BM-73070 (143252)	BM-69885 (139276)	(3/4")	None
NHRS-6	290	1800	04AS	141629	142697	None	BM-74868 (143252)	BM-69885 (139276)	(3/4")	None
NT-6	250	2100	01AU	141634	142696	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NT-280	280	2100	01CA	141631	142698	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NT-280	280	2100	*50CA	139894	142697	None	BM-73008 (143252)	BM-72537 (148229)	(3/4")	None

PARTS INDENTED ARE INCLUDED IN THE PART UNDER WHICH THEY ARE INDENTED

FUEL PUMP CODE (Cont'd)**FUEL PUMP ORDERING CODE TABULATION (Cont'd)**

GOVERNOR CONTROLLED FUEL PUMP

Engine Model	H. P.	RPM	F. P. Code	Idle Spring Plunger	Torque Spring	Shims	Governor Spring	Governor Weights	G. P. (Size)	Aneroid
NT-335	335	2100	01BZ	141632	138789	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	BM-62218-AC
NT-335	335	2100	*50BZ	140922	138789	None	BM-73968 (143251)	BM-69885 (139276)	(3/4")	BM-62218-AC
NT-380	380	2300	01AZ	137370	None	None	BM-70588 (70711)	BM-69885 (139276)	(1 1/4")	BM-70161-AL
NT-380	350	2100	02AZ	141630	138789	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	BM-70161-Z
NT-380	335	2100	03AZ	141632	138789	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	BM-62218-AC
NT-380	370	2200	04AZ	140922	138786	None	BM-30730 (70711-A)	BM-69885 (139276)	(1 1/4")	BM-70220-AG
NT-380	350	2300	05AZ	141636	138786	None	BM-68544 (70711-A)	BM-69885 (139276)	(1 1/4")	BM-70220-AG
NT-380	360	2100	06AZ	141629	138789	None	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	BM-70161-Z
NT-380	380	2300	*50AZ	140418	142697	4 Req.	BM-73995 (143248)	BM-69885 (139276)	(1 1/4")	BM-70161-AL
NT-380	325	2100	*51AZ	140923	142696	None	BM-73968 (143251)	BM-69885 (139276)	(1 1/4")	BM-62218-AC
NT-380	325	1800	52AZ	140418	142697	4 Req.	BM-74846 (143251)	BM-69885 (139276)	(1 1/4")	Not Released
NTO-6	262	2100	01AV	141633	142698	8 Req.	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NTO-280	280	2100	01AW	140922	142697	6 Req.	BM-28861 (70711-A)	BM-69885 (139276)	(3/4")	BM-62218-F
NTO-280	262	2100	02AW	140923	142697	6 Req.	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NTO-280	250	2100	03AW	140924	142697	6 Req.	BM-68793 (70711-B)	BM-69885 (139276)	(3/4")	None
NRT-6	300	2100	01AX	141632	138769	4 Req.	BM-68793 (70711-B)	BM-69885 (139276)	(1 1/4")	BM-72029-AM
NRTO-6	335	2100	01AY	141625	138783	6 Req.	BM-74052 (143253)	BM-69885 (139276)	(1 1/4")	BM-62213-B
NRTO-6	290	2100	02AY	141633	139585	6 Req.	BM-68523 (70711-C)	BM-69885 (139276)	(1 1/4")	Not Released
NRTO-6	300	1800	03AY	141632	None	None	BM-74846 (143251)	BM-69885 (139276)	(1 1/4")	BM-62213-A
V6-200	200	2600	*50CE	145949	142850	None	BM-74229 (143249)	BM-72537 (148229)	(3/4")	None
V8-265	260	2600	*50CD	145949	142850	None	BM-74229 (143249)	BM-72537 (148229)	(3/4")	None

WHEN ORDERING PARTS ALWAYS GIVE ENGINE SERIAL NUMBER

FUEL PUMP CODE (Cont'd)**FUEL PUMP ORDERING CODE TABULATION (Cont'd)**

GOVERNOR CONTROLLED FUEL PUMP

Engine Model	H. P.	RPM	F. P. Code	Idle Spring Plunger	Torque Spring	Shims	Governor Spring	Governor Weights	G. P. (Size)	Aneroid
V8-265	255	2400	*51CD	145954	142850	None	BM-73819 (143250)	BM-72537 (148229)	(3/4")	None
V8-350	350	2500	*50BT	140925	None	None	BM-72607 (144478)	BM-69885 (139276)	(3/4")	None
V8-350	305	2100	*51BT	138862	138768	None	BM-73968 (143251)	BM-69885 (139276)	(3/4")	None
V8-350	338	2300	*52BT	140923	None	None	BM-74277 (143250)	BM-69885 (139276)	(3/4")	None
VT8-450	450	2500	01BU	141634	138783	None	BM-72609 (70711-A)	BM-69885 (139276)	(3/4")	BM-72795-AN
VT8-430	380	2100	02BU	141633	138783	None	BM-28861 (70711-A)	BM-69885 (139276)	(1 1/4")	BM-69579-AN
VT8-430	420	2200	03BU	141633	138783	None	BM-71485 (70711-C)	BM-69885 (139276)	(1 1/4")	BM-69579-AC
VT8-430	430	2500	04BU	139618	142867	None	BM-72607 (144478)	BM-69885 (139276)	(3/4")	BM-72795-AH
VT8-430	400	2500	05BU	139618	138784	None	BM-72609 (70711-A)	BM-69885 (139276)	(3/4")	(Not Available)
VT8-430	380	2500	06BU	140927	138780	8 Req	BM-72422 (143250)	BM-69885 (139276)	(3/4")	BM-69579-AC
VT8-430	380	2300	07BU	140927	138783	None	BM-68544 (70711-A)	BM-69885 (139276)	(1 1/4")	BM-69579-AC
VT8-430	430	2500	*50BU	140926	None	None	BM-74051 (147292)	BM-69885 (139276)	(3/4")	BM-72795-AH
VT8-460	460	2600	*51BU	141632	142697	6 Req.	BM-72910 (143248)	BM-72537 (148229)	(3/4")	BM-72795-AH
NVH-12	None	None	01BK	None	(Not Released)					
NVH-12	430	2100	02BK	None	138784	None	BM-73968 (143251)	BM-69885 (139276)	(1 1/4")	None
VT-12	600	2100	01BN	140925	138782	4 Req.	BM-28861 (70711-A)	BM-69885 (139276)	(1 1/4")	BM-62212-AN
V12-550	550	2100	01BX		(Not Released)					
V12-525	525	2100	02BX	139619	138787	None	BM-68793 (70711-B)-	BM-69885 (139276)	(1 1/4")	None
V12-525	517	2300	03BX	141640	None	None	BM-70588 (70711)	BM-69885 (139276)	(1 1/4")	None
V12-525	420	2000	04BX	141636	138787	None	BM-28862 (70711-B)	BM-69885 (139276)	(1 1/4")	None
V12-525	525	2100	*50BX	137370	138780	None	BM-73968 (143251)	BM-69885 (139276)	(1 1/4")	None
V12-525	350	2100	*51BX	145969	138780	None	BM-73008 (143252)	BM-69885 (139276)	(1 1/4")	None

PARTS INDENTED ARE INCLUDED IN THE PART UNDER WHICH THEY ARE INDENTED

FUEL PUMP CODE (Cont'd)**FUEL PUMP ORDERING CODE TABULATION (Cont'd)**

GOVERNOR CONTROLLED FUEL PUMP

Engine Model	H. P.	RPM	F. P. Code	Idle Spring Plunger	Torque Spring	Shims	Governor Spring	Governor Weights	G. P. (Size)	Aneroid
VT12-700	700	2100	01BY	141630	138784	138372 (6 Req.)	BM-28861 (70711-A)	BM-69885 (139276)	(1 1/4")	BM-72795-AK
VT12-700	517	2300	02BY	141641	142696	5 Req.	BM-71468 (143249)	BM-69885 (139276)	(1 1/4")	None
VT12-700	644	1800	03BY	141629	None	None	BM-74869 (70711-A)	BM-69885 (139276)	(1 1/4")	None
VT12-700	560	2100	04BY	140924	138782	4 Req.	BM-28861 (70711-A)	BM-69885 (139276)	(1 1/4")	BM-72795-AK
VT12-700	650	2100	05BY	141033	138782	4 Req.	BM-28861 (70711-A)	BM-69885 (139276)	(1 1/4")	BM-72795-AK
VT12-700	600	2100	06BY	137370	138782	4 Req.	BM-28861 (70711-A)	BM-69885 (139276)	(1 1/4")	BM-72795-AK
VT12-700	585	2000	07BY	141634	138782	4 Req.	BM-72074 (70711-A)	BM-69885 (139276)	(1 1/4")	None
VT12-700	420	2000	08BY	145949	138782	None	BM-72074 (70711-A)	BM-69885 (139276)	(1 1/4")	None
VT12-700	700		* 50BY		(Not Released)					
VT12-700	517	2300	* 51BY	139619	143251	4 Req.	BM-74870 (143251)	BM-72537 (148229)	(1 1/4")	None
VT12-700	600	2100	* 52BY	140925	None	None	BM-74049 (143250)	BM-69885 (139276)	(1 1/4")	None
VT12-700	450	1700	* 53BY	145949	138782	4 Req.	BM-74048 (70711-A)	BM-69885 (139276)	(1 1/4")	None
VT12-700	635	2300	* 54BY	139619	None	None	BM-73995 (143248)	BM-69885 (139276)	(1 1/4")	None
VT12-700	550	1500	* 55BY	141625	None	None	BM-74779 (143253)	BM-69885 (139276)	(1 1/4")	None

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WHEN ORDERING PARTS ALWAYS GIVE ENGINE SERIAL NUMBER

MAINSHAFT, COVER AND GOVERNOR WEIGHT AND CARRIER

GOVERNOR CONTROLLED FUEL PUMP

Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.	Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.
Flange Mounted Type				GROUP B—Models V-12 Series			
GROUP A—Models JF, JN, JS, JNS, JT, H, NH, NT				Same as Group A except parts shown below:			
	BM-69886	Mainshaft, cover and governor, R. H. (with compressor, heavy weights)	1		BM-70509	Mainshaft, cover and governor, L. H. (with compressor)	1
	BM-69894	Mainshaft, cover and governor, R. H. (less compressor, heavy weights)	1		BM-70510	Mainshaft, cover and governor, L. H. (less compressor (right hand engines with clock- wise tachometer drive)	1
99	69793	Capscrew, coupling	1		BM-33880	Drive assembly, fuel pump	1
100A	101918	Coupling half, fuel pump, (with compressor)	1	109	100205	Gear, tachometer drive	1
100	102974	Coupling half, fuel pump (less compressor)	1	GROUP C—Models V8-300, 350, VT-400, 430			
103	BM-53139	Cover and seal assembly (139668)	1	Same as Group A except parts shown below:			
102	104038	Seal, oil	2		BM-70508	Mainshaft, cover and governor assembly, R. H. (heavy weight (weight assist)	1
	BM-33876	Drive assembly, fuel pump	1		BM-59906	Cover and seal assembly (140593)	1
105	S-1650	Bearing, ball, drive shaft	1		BM-59907	*Mainshaft, cover and governor assembly, R. H.	1
108	103036	Gear, fuel pump drive shaft	1		BM-53142	*Weight and carrier assembly	1
109	101983	Gear, tachometer drive	1		BM-53140	*Carrier, governor (not weight assist)	1
107	70739	Key, ball	1	GROUP D—Models J, JN, C-160, CF-160, C-175, NT-280			
104	100192	Shaft, fuel pump drive	1	Same as Group A except parts shown below:			
88	BM-69885	Weight and carrier assembly, governor (heavy) std. (139276)	1		BM-72538	Mainshaft, cover and governor assembly, R. H. (with compressor, shaved weights)	1
89	113083	Bushing, governor weight shaft	1		BM-72753	Mainshaft, cover and governor assembly, R. H. (less compressor, shaved weights)	1
88	BM-72026	Carrier, governor (weight assist)	1	88	BM-72537	Weight and carrier assembly	1
87	143847	Spring, weight assist	1	GROUP E—Models V6-200, V8-265			
85	144178	Plunger, weight assist	1	Same as Group A except parts shown below:			
86	144179	Shim, weight assist	1		BM-72760	Mainshaft, cover and governor assembly (with compressor, shaved weight, left hand for right hand engine)	1
90	S-16257	Ring, snap	1		BM-73429	Mainshaft, cover and governor assembly (less compressor, shaved weight, left hand for right hand engine)	1
101	68174	Key, coupling	1		BM-33880	Drive assembly, fuel pump	1
98	S-604	Lockwasher, coupling	1	109	100205	Gear, tachometer drive	1
106	70699	Ring, snap	1	* Use for identical replacement only.			
97	S-602	Washer, coupling	1				
Mounting Parts							
95	118226	Capscrew, body to cover	1				
94	S-105-C	Capscrew, cover to housing	6				
76	100764	Gasket, cover to housing	1				
93	S-600	Lockwasher, cover to housing	6				
92	70704	Washer, cover to housing	6				
91	103089	Washer, plain, cover to housing	1				

PARTS INDENTED ARE INCLUDED IN THE PART UNDER WHICH THEY ARE INDENTED

MAINSHAFT, COVER AND GOVERNOR WEIGHT AND CARRIER (Cont'd)

GOVERNOR CONTROLLED FUEL PUMP

Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.	Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.
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Bracket Mounted Type (Optional)

GROUP F—Models JF, JN, JS, JNS, JT, H, NH, NT

Same as Group A except parts shown below:

 BM-70525 /Mainshaft, cover and governor
assembly (R. H.) 1

 BM-53145 Cover and seal assembly
(140350) 1

GROUP G— Models JF, JN, JS, JNS, JT, H, NH, NT

Same as Group A except parts shown below:

 BM-70526 /Mainshaft, cover and governor
assembly (L. H.) 1

 BM-53145 Cover and seal assembly
(140350) 1

BM-33880 Drive assembly, fuel pump 1

109 100205 Gear, tachometer drive 1

NOTE

 / Required on NVH-450, VT-600 engines originally
built with 0117-5 cylinder block.

 To convert ball bearing type front covers for use with
the governor regulated fuel pump, the following parts
are required:

 (1) 148047 Bushing, governor weight, (1) 148057
Seal, front cover.

NOTES

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WHEN ORDERING PARTS ALWAYS GIVE ENGINE SERIAL NUMBER

TACHOMETER DRIVE

Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.	Illust. Ref. No.	Cummins Part No.	Part Name	No. Req. Per Eng.
GROUP A—All Models except NHH SERIES NVH, NVHS, VT, V6-200, V8-265				GROUP B—Models NHH SERIES NVH, NVHS, VT, V6-200, V8-265			
3	BM-28849	Housing assembly, tachometer drive	1	Same as Group A except parts shown below:			
	BM-28848	Tachometer drive assembly	1	BM-31405	Tachometer drive assembly		1
7	70723	Bushing, tachometer drive	1	3 70720	Gear, tachometer drive		1
8	101981	Gear, tachometer drive	1	Right-hand			
6	104087	Shaft, tachometer drive	1	L, NHH, NVH, NVHS, VT, V6-200, V8-265 series			
5	70809	Seal, tachometer drive oil	1	engines with counter-clockwise rotation tachometer drive or left-hand NVH, VT and L series engines with clockwise rotation tachometer drive require 101981 tachometer drive gear.			
2	9052-1	Cap, dust	1	Right-hand H, NH and J series engines with counter-clockwise rotation tachometer drive or left-hand H and NH series engines with clockwise rotation tachometer drive require 70720 tachometer drive gear.			
Mounting Parts				Right-hand L series engines with clockwise rotation tachometer drive or left-hand L, NHH, NVH and VT series engines with counter-clockwise rotation tachometer drive require 70720 tachometer drive gear.			
1	70772-A	Capscrew, tachometer drive to housing	2				
4	70732	Gasket, tachometer drive to housing	1				

FILTER AND SCREEN

GROUP A—All Models

	146483	Filter screen and magnet assembly	1
14	146482	Retainer and magnet	1
15	146484	Retainer and screen	1
11	70826	Cap, filter	1
12	147901	Seal, filter cap	1
13	70700	Spring, filter	1

NOTES

PARTS INDENTED ARE INCLUDED IN THE PART UNDER WHICH THEY ARE INDENTED

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