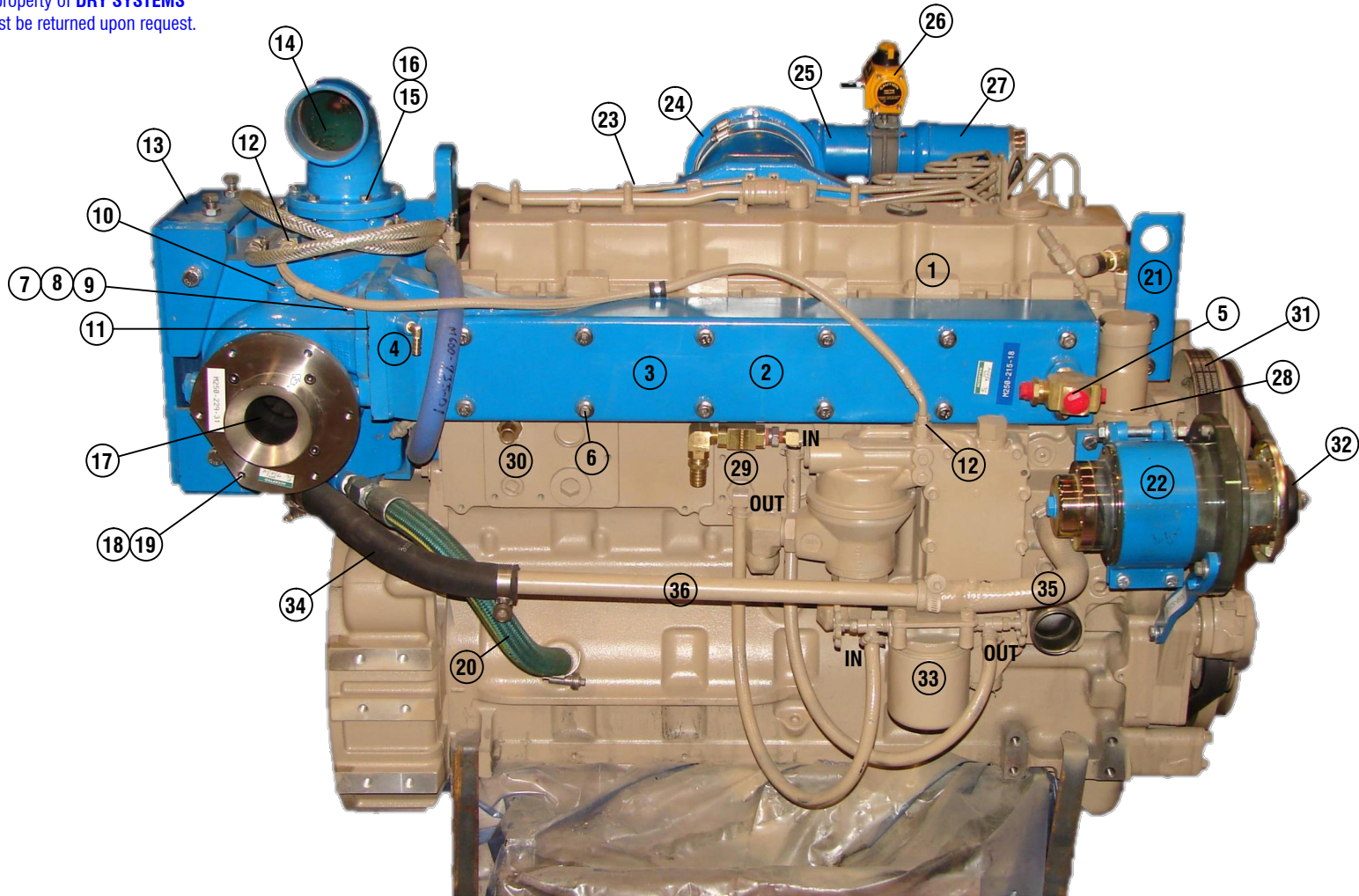


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SECTION 2-01 #1

TOLERANCES

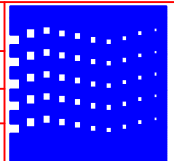
Linear unless noted
 Machined: ±0.005
 Fabricated: ±0.02
 Angular: ±1/2°
 Surface finish 125

REV	DATE	NAME	DESCRIPTION

DRY SYSTEMS TECHNOLOGIES

8102 LEMONT ROAD, SUITE 700
 WOODRIDGE, IL 60517
 Phone: 630-427-2051 Fax: 630-427-1036
 E-Mail: eng@drysystemstech.com

DESCRIPTION 185HP Cummins 8.3 Standard Turbo		NO RECD
SCALE FULL	DATE Feb 03 2015	DRAWN BY Ward Fox
MATERIAL See Detail Drawings		APPROVED BY
DRAWING NO M500-211-11 #1		



185 HP Cummins 8.3 Standard Turbo

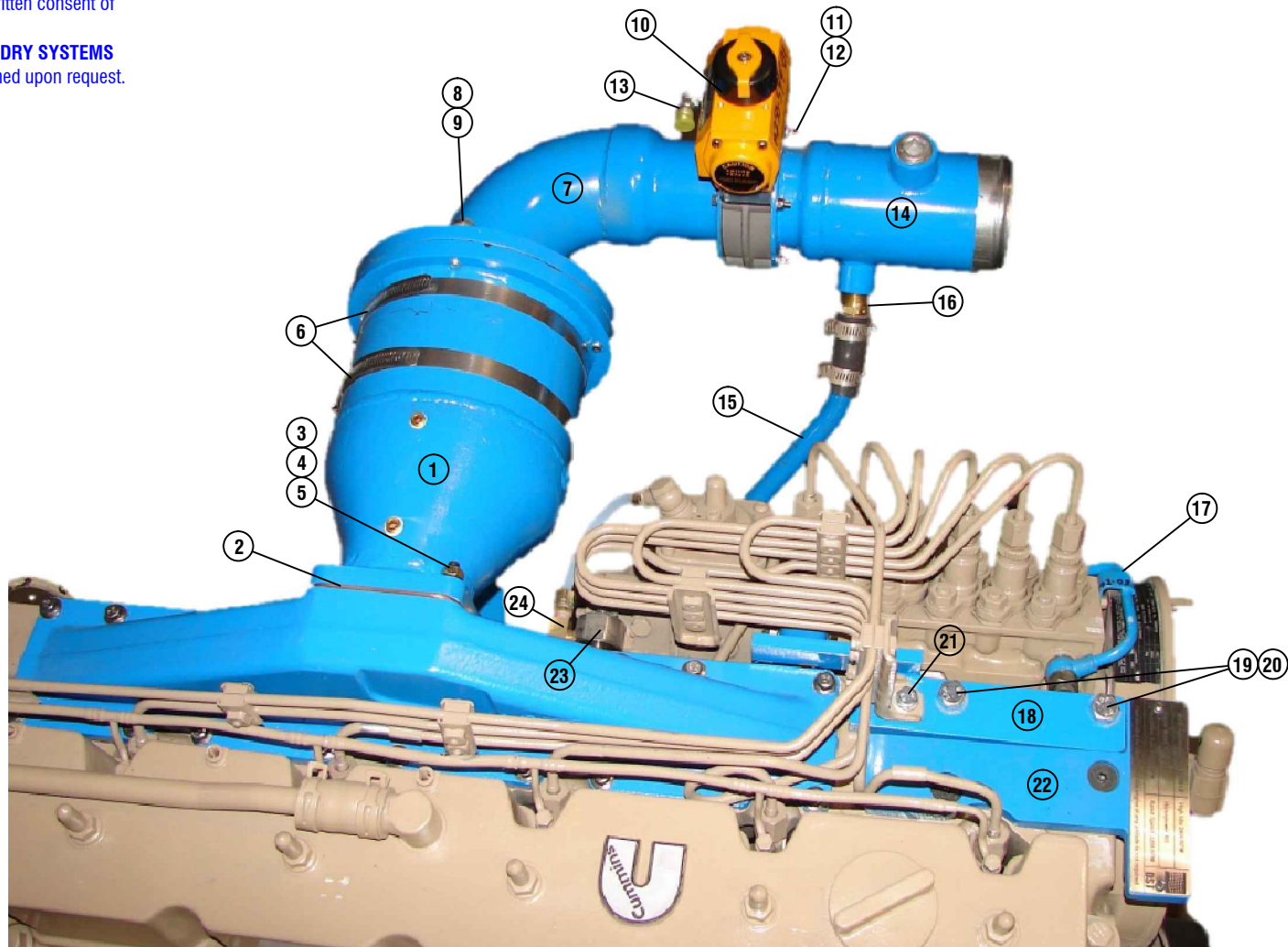
ITEM	PART NUMBER	QUAN.	DESCRIPTION	Notes
	M500-211-11	-	CUMMINS 8.3 ENGINE COMPLETE	M500-211-11 #1
1	M250-108-01	1	Cyl Head, Modified, Replacement Items included with replacement head	
	M250-506-01	1	Gasket, Cylinder Head	
	M250-507-01	1	Seal, Rocker Lever Cover	
	M250-524-01	1	Bracket , Support, 8.3 Head Also Includes Items 3, 11, 12 and 23	
2	M250-215-18	1	Manifold, Exhaust Water-Cooled	
3	M250-214-01	6	Gasket Copper Exhaust Manifold	
4	M600-576-01	1	Brass Barb Elbow 3/8 x 1/8NPT	
5			Consist of	
	M600-514-01	1	Brass Nipple Full Thrd 3/4 NPT	
	M600-523-01	1	Brass Cross 3/4 NPT	
	M600-543-01	1	Brass Bushing 3/4 x 1/2	
6	M507-560-01	12	Screw , Hex Flange Head Cap	
7	M90-371-14	4	Stud, exhaust manifold	
8	M600-123-01	4	Lock Washer, 3/8	
9	M600-109-01	4	Nut, 3/8-16	
10	M250-109-01	1	Turbo Charger Assembly, 185 HP Replacement Includes No. 11, 12 & 20	
11	M250-218-01	1	Gasket, Turbo Charger	
	M250-231-01	1	Heat Shield - Turbo	Not Shown
12	M250-298-01	2	Washer Sealing	
13	M321-201-01	1	Support, Turbo	
14	M250-234-01	1	Elbow	
15	M600-125-01	6	Hex Head Cap Screw 5/16 - 18 x 1	
16	M600-126-01	6	Lock Washer 5/16	
17	M250-229-31	1	Turbo Outlet Adapter	
	M250-233-31	1	Gasket, Turbo Outlet Adapter	Not Shown
18	M250-565-01	4	Cap Screw, Socket Head, 8MM x 16MM	
19	M150-528-01	4	Lock Washer, Hi-Collar, M8	
20	M250-553-01	1	Hose Assy, Turbo Oil Return	
21	M250-211-01	1	8.3 Engine Lift Bracket	
22	M500-521-01	1	Alternator, Explosion Proof, 12V, 25A	Ref Section 7-04 for installation
23	M250-291-01	1	Gasket Intake Manifold	
24	M250-282-21	1	Flame Arrestor, Intake	
25	M250-271-02	1	Flame, Arrestor Adapter Pipe	
26	M250-544-01	1	Valve, Air Shutoff	Ref Section 2-04 for assembly
27	M250-272-01	1	Intake adapter Pipe	
28	M504-517-01	1	Thermostat, 160 F	
29			Consist of	
	M600-528-01	1	Brass Tee 1/2NPT FXMXF	
	M600-534-01	1	Brass 90 Deg Elbow 1/2NPT FXM	
	M600-573-01	1	Brass Barb Male 3/4 x 1/2 NPT	
	M600-541-01	1	Brass Bushing 1/2 x 3/8NPT	
	M600-578-01	1	Brass Barb Elbow 3/8 x 3/8NPT	
30	M600-570-01	1	Brass Barb Male 3/4 x 3/4 NPT	
31	M250-590-01	1	Belt, Sepentine Cummins 8.3	
32	M250-525-01	1	V-Belt (Alternator)	
33	M250-578-01	1	Element, Resister, Corrosion	Ref Section 2-11 for remote location
34	M510-542-04	1	Hose, Plain	
35	M510-542-03	1	Hose, Elbow	
36	M510-542-02	1	Tube, Turbo Coolant Supply	

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SECTION 2-01 #2

TOLERANCES Linear unless noted Machined: ± 0.005 Fabricated: ± 0.02 Angular: $\pm 1/2^\circ$ Surface finish 125					DRY SYSTEMS TECHNOLOGIES 8102 LEMONT ROAD, SUITE 700 WOODRIDGE, IL 60517 Phone: 630-427-2051 Fax: 630-427-1036 E-Mail: eng@drysystemstech.com	DESCRIPTION 185HP Cummins Standard Turbo	NO RECD	
	SCALE	DATE	DRAWN BY					
	FULL	Feb 03 2015	Ward Fox					
	MATERIAL		APPROVED BY					
	See Detail Drawings							
	REV	DATE	NAME	DESCRIPTION		DRAWING NO		
						M500-211-11 #2		

185 HP Cummins 8.3 Standard Turbo

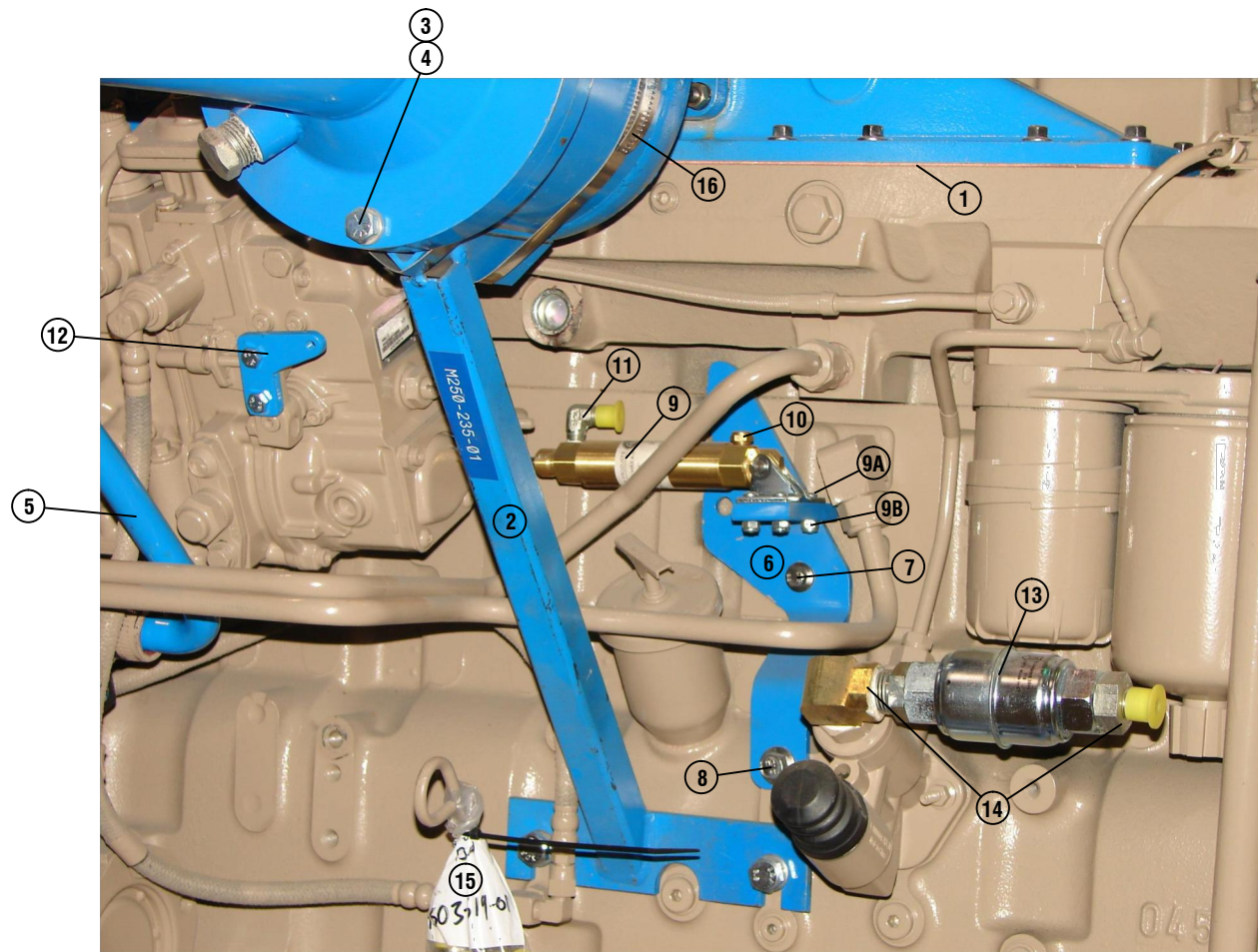
ITEM	PART NUMBER	QUAN.	DESCRIPTION	Notes
	M500-211-11	-	CUMMINS 8.3 ENGINE COMPLETE	M500-211-11 #2
1	M250-282-21	1	Flame Arrestor, Intake	
2	M250-273-01	1	Gasket Copper, Air Intake	
3	M601-104-01	4	Studs, Air Intake	
4	M150-530-01	4	Lock Washer, M8	
5	M250-564-01	4	Nut, M8	
6	M600-737-01	2	Hose Clamp 5 5/8 - 8 1/2	
7	M250-271-02	1	Flame, Arrestor Adapter Pipe	
8	M600-124-01	4	Cap Screw, Hex Head 3/8-16 X 1 1/4 GR 8	
9	M600-123-01	4	Lock Washer 3/8	
10	M250-544-01	1	Valve, Air Shutoff	Ref SEC 2-04 for assembly
11	M600-174-01	4	Cap Screw, Hex Head SS	
12	M600-155-01	4	Nut, Nylock, SS	
13	M600-842-01	1	Male Connector	
14	M250-272-01	1	Intake adapter Pipe	
15	M250-206-02	1	Air Compressor Inlet Tube	
16	M600-573-01	1	Brass Barb Male 3/4 x 1/2 NPT	
17	M507-592-03	1	Tube, Fuel Drain	
18	M250-520-01	1	Bracket, Fuel Lines	
19	M250-107-03	2	Cap Screw, Hex M10-1.5 x 30MM	
20	M150-535-01	2	Lock Washer M10	
21	M250-532-04	1	Screw , Hex Flange Head	
22	M329-502-01	1	Mount, Engine Tag	
	M601-101-01	2	Flat Head Socket Cap Screw, M10X 1.25 x 25MM	
23	M40-596-01	1	Flame Proof Port	
24	M600-532-01	1	Brass 90 Deg Elbow 1/8NPT FXM	

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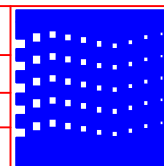


SECTION 2-01 #3

TOLERANCES	
Linear unless noted	
Machined: ± 0.005	
Fabricated: ± 0.02	
Angular: $\pm 1/2^\circ$	
Surface finish 125	
REV	DATE NAME DESCRIPTION

DRY SYSTEMS TECHNOLOGIES
 8102 LEMONT ROAD, SUITE 700
 WOODRIDGE, IL 60517
 Phone: 630-427-2051 Fax: 630-427-1036
 E-Mail: eng@drysystemstech.com

DESCRIPTION		NO RECD
185HP 8.3 Standard Turbo		
SCALE	DATE	DRAWN BY
FULL	Feb 03 2015	Ward Fox
MATERIAL	APPROVED BY	
See Detail Drawings		
DRAWING NO		
M500-211-11 #3		



185 HP Cummins 8.3 Standard Turbo

ITEM	PART NUMBER	QUAN.	DESCRIPTION	Notes
	M500-211-11	-	CUMMINS 8.3 ENGINE COMPLETE	M500-211-11 #3
1	M250-291-01	1	Gasket , Intake Manifold	
2	M250-235-01	1	Support Intake Flame Arrestor	
3	M600-124-01	4	Cap Screw, Hex Head 3/8-16 X 1 1/4 GR 8	
4	M600-123-01	4	Lock Washer 3/8	
5	M250-206-02	1	Air Compressor Inlet Tube	
6	M250-519-01	1	Bracket, Mounting	
7	M250-514-01	1	Cap Screw, Hex Head Flange, M8 x 1.25 x 20MM	
8	M250-517-01	1	Cap Screw, Hex Head Flange, M10 x 1.5 x 20MM	
9	M250-502-01	1	Cylinder, Shutdown	
	M600-127-01	1	Nut, Jam, 1/4-28	Not Shown
	M250-501-01	1	Rod End, Ball Joint, 1/4-28, SS	Not Shown
	M250-515-01	1	Nut, Lock	Not Shown
	M250-516-01	1	Washer, Plain	Not Shown
9A	M515-500-24	4	Machine Screw, 8-32 x 0.75	
9B	M515-560-11	4	Nylock Nut, 8-32	
10	M600-821-01	1	Breather 1/8 NPT	
11	M600-598-01	1	Adapter, Male Elbow 1/8NPT / -4JIC	
12	M150-570-05	1	Mounting Bracket, 8.3 Slave Cylinder	
	M509-538-01	2	Cap Screw, Hex Head M6 x 1.0 x 15MM	
13	M250-577-01	1	Strainer, Fuel	
14			Consist of	
	M250-570-01	1	Adapter Male Pipe SAE/NPT	
	M503-519-01	1	Adapter, Straight Thread Elbow	
	M600-534-01	1	Brass 90 Deg Elbow 1/2NPT FXM	
15	M503-519-01	1	Adapter, Straight Thread Elbow (Remote Oil Drain)	
16	M600-737-01	2	Hose Clamp , 5 5/8 x 8 1/2	