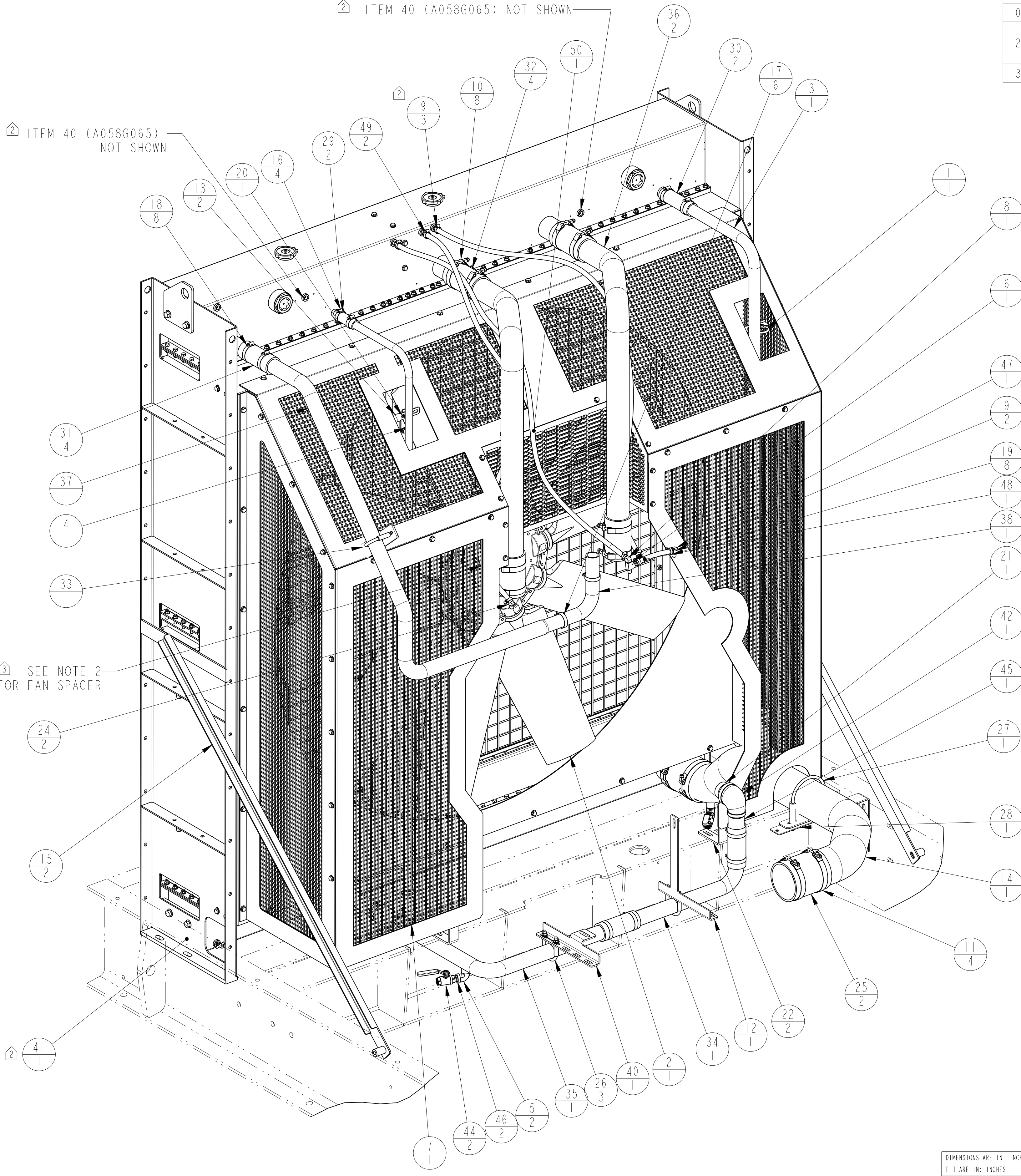
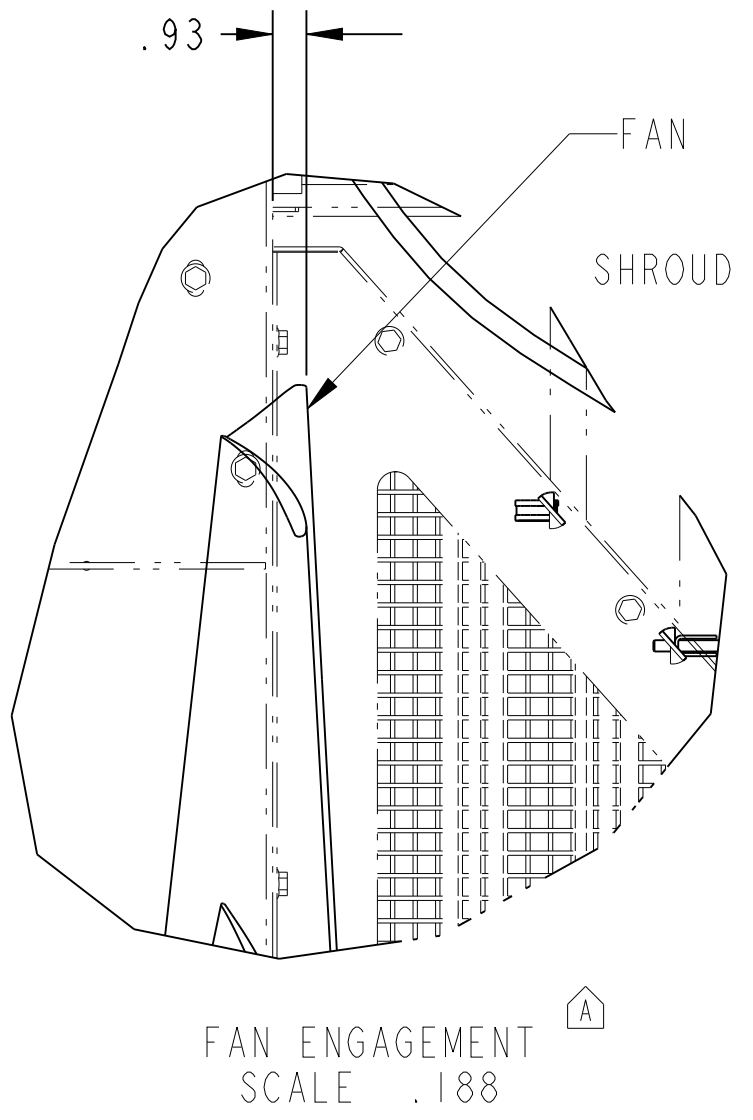


BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	CLAMP,MUFFLER,1.50 NOM; 5/16-18 THD	0155-1239
2	1	FAN,ENGINE; GTA38E	8485
3	1	TUBE, FILL JKT; WATER G38/50	9122
4	1	TUBE, FILL AFT; COOLER G38/50	9147
5	2	ELBOW,PLAIN STREET PIPE; 90DEG -8 NPT X -8 FNPT,S	12195-8-8
6	1	TEE, STREET; NPT	12534-4
7	1	COUPLING,PLAIN HOSE; -16 BEAD X -12 NPT,BRASS	12545-16-12
8	1	COUPLING,ELBOW HOSE; 90D -6 BARB X -4 NPT,BRS	12546-6-4
9	5	COUPLING,PLAIN HOSE; -6 BARB X -4 NPT,BRASS	12548-6-4
10	8	CLAMP, T-BOLT; 3.28-3.59	13164-0350
11	4	CLAMP, T-BOLT; 5.28-5.59	13164-0550
12	1	BRACE,PLUMBING,GTA50; GT1 RADIATOR	13844
13	2	BRKT,RADIATOR TUBE SUPPORT; GTA 38/50	14108
14	1	TUBE,LOWER JACKET WATER; GTA38	14416
15	2	BRACE,RADIATOR; GTA38	14417
16	4	CLAMP,HOSE; .81 - 1.50 WORM	14990-16
17	6	CLAMP,HOSE; 1.06-2 WORM	14990-24
18	8	CLAMP,HOSE; 1.56 - 2.50 WORM	14990-32
19	8	CLAMP, WORM; 5/16" BAND	14992-06
20	1	CLAMP,CSHN; EPDM RUBBER	16164-16
21	1	NIPPLE,PLAIN PIPE; -32NPT 2.00",BLACK STEEL	17853-0200
22	2	BRKT,FAN-GRD-SUPPORT; GTA38/50,PNT-STL	22114
23	1	HEATSHIELD,.75DIA; 12 FOOT ROLL	22830
24	2	COUPLING,ELBOW HOSE; 45DEG -6 BARB X -4 NPT,BR	23015-6-4
25	2	HOSE, 5" x 6" LONG	24480G-6
26	3	CLAMP, U-BOLT; 2" OD PIPE	89541K
27	1	CLAMP, U BOLT; 5" GUILLOTINE	89549K
28	1	BRACKET,TUBE W/; GTA38/50 OPEN SET	A042C248
29	2	HOSE; 1.00 IN ID X 36IN EPDM	A042F048
30	2	HOSE; 1-1/2 INCH IDx36IN EPDM	A042F051
31	4	HOSE,2 INCH ID X 36IN EPDM; KOOL BLUE,72EP-200-36	A042F054
32	4	HOSE,3.00IN ID X 36IN EPDM; KOOL BLUE,72EP-300-36	A042F058
33	1	BRACKET, FUEL TRAIN; GTA28, UL	A042G056
34	1	TUBE,LOWER,INNER AFT COOLER; G38&G50,AFTERCOOLER SIDE,KIT	A042H171
35	1	TUBE,LOWER,INNER AFT COOLER; G38&G50,RADIATOR SIDE,KIT	A042H172
36	2	TUBE,JACKET WATER; GTA38E/GTA50E	A042H869
37	1	TUBE,RAD TO AFTERCOOLER; GTA38E	A042H918
38	1	HOSE,RUBR,MOLD,1.5ID,90;	A042J320
39	2	KIT,HARNESS; (LOW COOLANT)	A058G065
40	1	BRACE, SUPPORT	A059H263
41	1	RADIATOR; GTA38E, JMC	A060R720
42	1	ELBOW, RED 90 DEG; 2" NPT X 1-1/2" NPT	B90KJ
43	94	COOLANT, FC EG PM, 1 GALLON	CC2743
44	2	VALVE, 1/2" FNPT; WATTS	FA60204
45	1	HOSE BARB; 1-1/2" NPT X 2" HOSE	FF63185
46	2	NIPPLE, PIPE; 1/2 X CLOSE BIP	LTL-CPM12
47	1	ELBOW,STREET 90, 1/4" NPT; -	LTL-M28157
48	1	HOSE,PARKER; 3/8IN ID X 6.00IN LONG	R-801-6
49	2	HOSE,PARKER; 3/8IN ID X 60.00IN LONG	R-801-6
50	1	HOSE,PARKER; 3/8IN ID X 84.00IN LONG	R-801-6

NOTES:  
1. FAN TO HUB BOLTS TO BE GRADE 8  
QTY (6) 1/2-13 UNC X 5.00 INCHES LONG  
TORQUE TO 95 FT-LB (130 N-M)  
2. SEE ENGINE KIT FOR FAN SPACER 218792



REV	REL NO	REVISION	DWN	CKD	APVD	DATE
0	2018-TBD	RELEASED TO PRODUCTION	DJH		JCB	15OCT18
2	2019-395	REPLACED A058G065 WAS A029Y148, 12548-6-4 (QTY 1) WAS 12546-6-4(QTY 1); UPDATED A060R720	LO629	JCB	JCB	10SEP19
3	2021-215	REMOVED 218792; UPDATED NOTES	JRC	JCB	JCB	25AUG21



DIMENSIONS ARE IN: INCHES ( ) ARE IN: INCHES DRAWING TOLERANCES UNLESS OTHERWISE SPECIFIED X: ± .1 IN OR 4 mm X.X: ± .1 IN OR 0.1 mm X.XX: ± .030 IN OR 0.25 mm X.XXX: ± .010 IN OR 0.075 mm ANGULAR TOLERANCE: ± 1°	DO NOT SCALE PRINT SCALE: .125	CM1 DATA CLASSIFICATION Cummins Confidential DWN: KL433 CKD: NA372 APVD: NA372 DATE: 15OCT2018		Cummins Inc. ITEM NAME RADIATOR GTA38E, OPEN, JMC
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MUST CONFORM TO CES 10903				CAD SHEET D 1 OF 1 ITEM NUMBER A059C511 REV 3