

CATERPILLAR TSM-54

7LD / KEBP3665

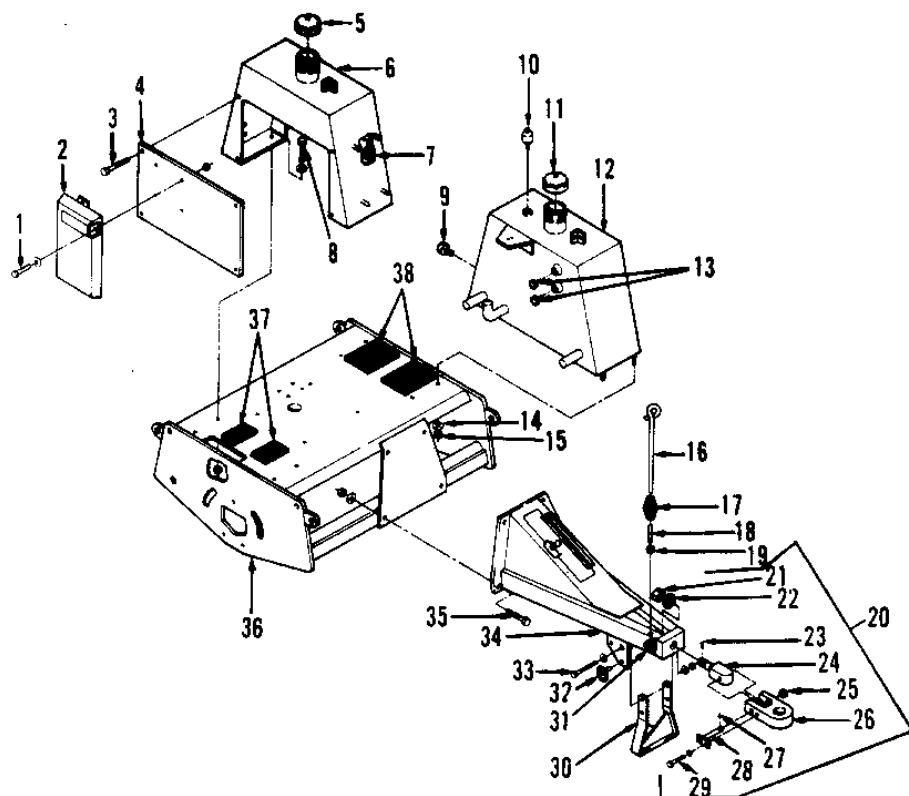
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Air inlet and exhaust	
Hydraulic system	
Basic engine	

FRAME ASSEMBLY

FRAME ASSEMBLY

Drawing 1 of 1



24-31

NOTE	REF NO.	PART NUMBER	QTY	PART NAME	NOTE	REF NO.	PART NUMBER	QTY	PART NAME
K	1	00179795	4	B. 1/4 N.C. x 3/4"	20	03002705	1	Tow ring assy.	
	2	12670038	1	Box, operators manual	21	00272083	1	Nut, 1 1/2" N.C.	
	3	00179837	4	B. 3/8 N.C. x 3/4"	22	01006577	1	Washer, flat 1 1/2	
	4	01003189	1	Door, fuel tank	23	00103426	1	Pin, cotter	
	5	02001452	1	Cap, fuel	24	02002813	1	Pin, hitch eye bolt	
	6	04006149	1	Tank, fuel	25	00427648	1	Nut, 1" N.C.	
	7	00103879	1	Plug	26	03001701	1	Clevis, hitch	
	K 8	00179890	4	B. 1/2 N.C. x 2 1/4"	27	00103420	1	Pin, cotter	
	9	26570002	1	Plug, magnetic	28	01002044	1	Pin, clevis	
	10	12760001	1	Breather	K 29	00179839	1	B. 3/8 N.C. x 1"	
	11	02007586	1	Cap, hydraulic oil	30	03006274	1	Stand	
	12	04006148	1	Tank, hydraulic	31	24170059	1	Nut, 3/8 N.C.E.S.	
	13	17100012	2	Gage, sight	32	06000730	1	Pin, fast	
	14	33080061	4	Washer, flat 1/2 hardened	K 33	12570072	1	B. 1/2 N.C. x 9"	
	15	24170071	4	Nut 1/2 N.C.E.S.	34	04002251	1	Hitch, tow	
	16	01006002	1	Hanger, cable	K 35	00271615	4	B. 3/4 N.C. x 3"	
	17	01006027	1	Spring	36	04006110	1	Frame	
	18	01006028	1	Stud, cable hanger	37	01003191	2	Pad, fuel tank	
	19	0011							

K - For washer and nut part numbers see page 21.

Ref.	Part number	Description	Qty	Code	Group page
1	0017-9795	B. 1/4 N.C. X 3/4"	4	K	
2	1267-0038	BOX, OPERATORS MANUAL	1		
3	0017-9837	B. 3/8 N.C. X 3/4"	4		
4	0100-3189	DOOR, FUEL TANK	1		
5	0200-1452	CAP, FUEL	1		

FRAME ASSEMBLY (continued)

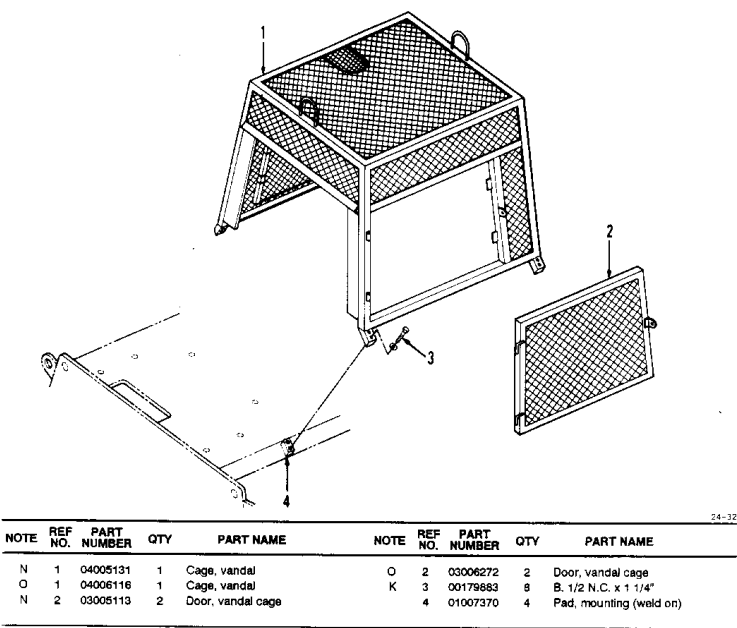
Ref.	Part number	Description	Qty	Code	Group page
6	0400-6149	TANK, FUEL	1		
7	0010-3879	PLUG	1		
8	0017-9890	B. 1/2 N.C. X 2 1/4"	4	K	
9	2657-0002	PLUG, MAGNETIC	1		
10	1276-0001	BREATHER	1		
11	0200-7586	CAP, HYDRAULIC OIL	1		
12	0400-6148	TANK, HYDRAULIC	1		
13	1710-0012	GAGE, SIGHT	2		
14	3308-0061	WASHER, FLAT 1/2 HARDENED	4		
15	2417-0071	NUT 1/2 N.C.E.S.	4		
16	0100-6002	HANGER, CABLE	1		
17	0100-6027	SPRING	1		
18	0100-6028	STUD, CABLE HANGER	1		
19	0011-4503	NUT, JAM - 3/8 N.C.	1		
20	0300-2705	TOW RING ASSY.	1		
21	0027-2083	NUT, 1 1/2" N.C.	1		
22	0100-6577	WASHER, FLAT 1 1/2	1		
23	0010-3426	PIN, COTTER	1		
24	0200-2813	PIN, HITCH EYE BOLT	1		
25	0042-7648	NUT, 1" N.C.	1		
26	0300-1701	CLEVIS, HITCH	1		
27	0010-3420	PIN, COTTER	1		
28	0100-2044	PIN, CLEVIS	1		
29	0017-9839	B. 3/8 N.C. X 1"	1	K	
30	0300-6274	STAND	1		
31	2417-0059	NUT, 3/8 N.C.E.S.	1		
32	0600-0730	PIN, FAST	1		
33	1257-0072	B. 1/2 N.C. X 9"	1	K	
34	0400-2251	HITCH, TOW	1		
35	0027-1615	B. 3/4 N.C. X 3"	4	K	
36	0400-6110	FRAME	1		
37	0100-3191	PAD, FUEL TANK	2		
38	0100-3190	PAD, HYDRAULIC TANK	3		

CAT codes: K.

VANDALISM CAGE ASSEMBLY

VANDALISM CAGE ASSEMBLY

Drawing 1 of 1



K - For washer and nut part numbers see page 21.
N - Used on S/N 7LD42~up.
O - Used on S/N 7LD1 thru 7LD41.

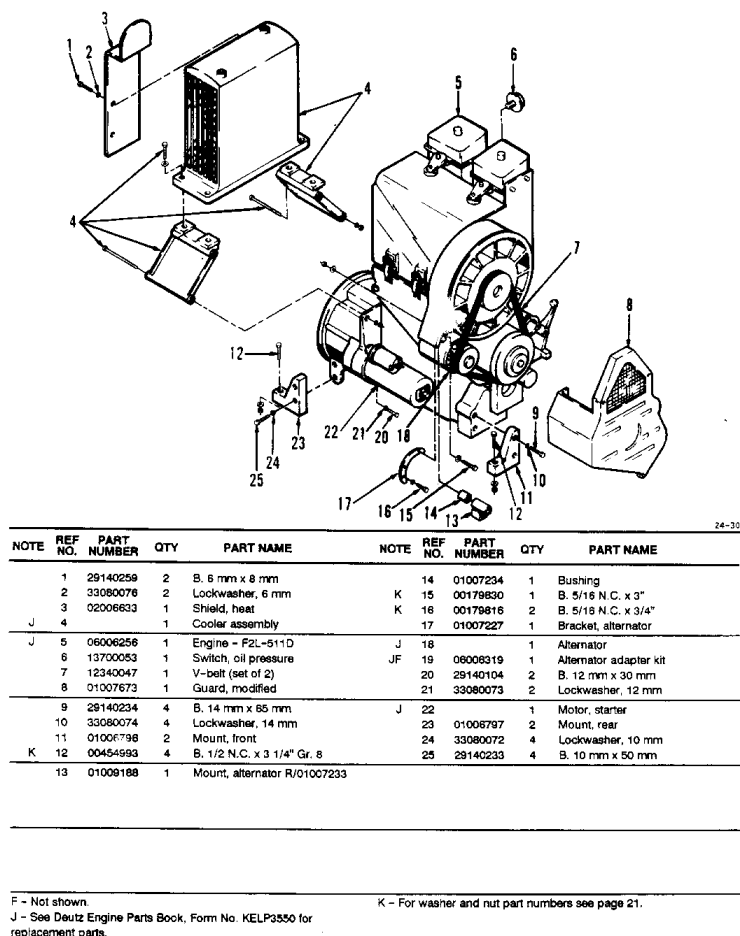
Ref.	Part number	Description	Qty	Code	Group page
1	0400-5131	CAGE, VANDAL	1	N	
1	0400-6116	CAGE, VANDAL	1	O	
2	0300-5113	DOOR, VANDAL CAGE	2	N	
2	0300-6272	DOOR, VANDAL CAGE	2	O	
3	0017-9883	B. 1/2 N.C. X 1 1/4"	8	K	
4	0100-7370	PAD, MOUNTING (WELD ON)	4		

CAT codes: K, N, O.

ENGINE MOUNTING ASSEMBLY

ENGINE MOUNTING ASSEMBLY

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	2914-0259	B. 6 MM X 8 MM	2		
2	3308-0076	LOCKWASHER, 6 MM	2		
3	0200-6633	SHIELD, HEAT	1		
5	0600-6256	ENGINE - F2L-511D	1	J	
6	1370-0053	SWITCH, OIL PRESSURE	1		
7	1234-0047	V-BELT (SET OF 2)	1		
8	0100-7673	GUARD, MODIFIED	1		
9	2914-0234	B. 14 MM X 65 MM	4		
10	3308-0074	LOCKWASHER, 14 MM	4		
11	0100-6796	MOUNT, FRONT	2		
12	0045-4993	B. 1/2 N.C. X 3 1/4" GR. 8	4	K	
13	0100-9188	MOUNT, ALTERNATOR R/01007233	1		
14	0100-7234	BUSHING	1		
15	0017-9830	B. 5/16 N.C. X 3"	1	K	
16	0017-9816	B. 5/16 N.C. X 3/4"	2	K	

ENGINE MOUNTING ASSEMBLY (continued)

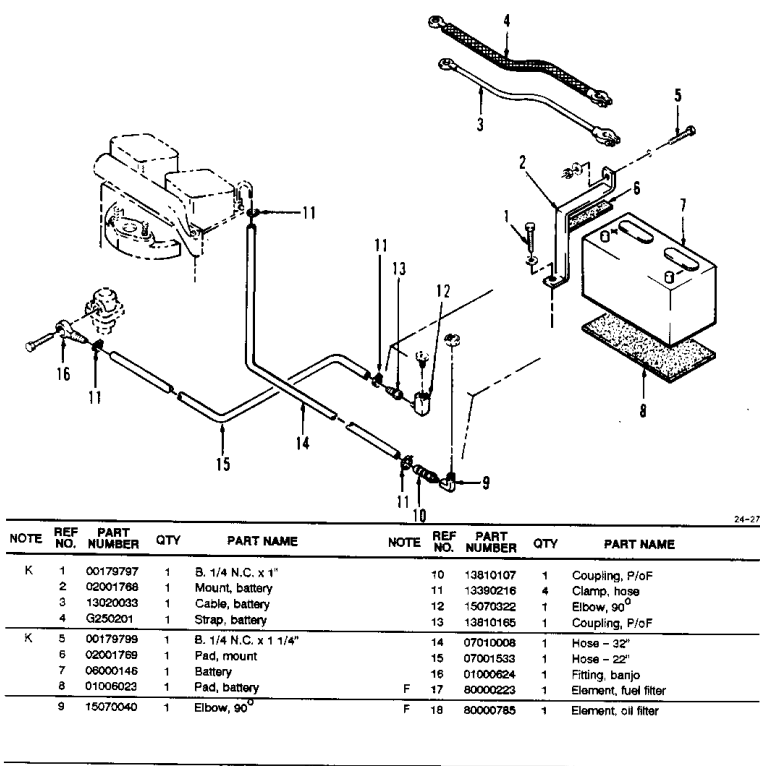
Ref.	Part number	Description	Qty	Code	Group page
17	0100-7227	BRACKET, ALTERNATOR	1		
19	0600-6319	ALTERNATOR ADAPTER KIT	1	JF	
20	2914-0104	B. 12 MM X 30 MM	2		
21	3308-0073	LOCKWASHER, 12 MM	2		
23	0100-6797	MOUNT, REAR	2		
24	3308-0072	LOCKWASHER, 10 MM	4		
25	2914-0233	B. 10 MM X 50 MM	4		

CAT codes: F, J, K.

ENGINE FUEL AND BATTERY ASSEMBLY

ENGINE FUEL AND BATTERY ASSEMBLY

Drawing 1 of 1



F - Not shown.
K - For washer and nut part numbers see page 21.

Ref.	Part number	Description	Qty	Code	Group page
1	0017-9797	B. 1/4 N.C. X 1"	1	K	
2	0200-1768	MOUNT, BATTERY	1		
3	1302-0033	CABLE, BATTERY	1		
4	G25-0201	STRAP, BATTERY	1		
5	0017-9799	B. 1/4 N.C. X 1 1/4"	1	K	
6	0200-1769	PAD, MOUNT	1		
7	0600-0146	BATTERY	1		
8	0100-6023	PAD, BATTERY	1		
9	1507-0040	ELBOW, 90 degrees	1		
10	1381-0107	COUPLING, P/oF	1		
11	1339-0216	CLAMP, HOSE	4		
12	1507-0322	ELBOW, 90 degrees	1		
13	1381-0165	COUPLING, P/oF	1		
14	0701-0008	HOSE - 32"	1		
15	0700-1533	HOSE - 22"	1		

ENGINE FUEL AND BATTERY ASSEMBLY (continued)

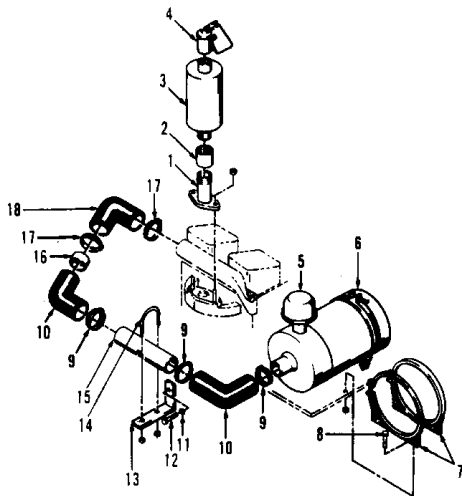
Ref.	Part number	Description	Qty	Code	Group page
16	0100-0624	FITTING, BANJO	1		
17	8000-0223	ELEMENT, FUEL FILTER	1	F	
18	8000-0785	ELEMENT, OIL FILTER	1	F	

CAT codes: F, K.

ENGINE AIR INTAKE AND EXHAUST ASSEMBLY

ENGINE AIR INTAKE AND EXHAUST ASSEMBLY

Drawing 1 of 1



NOTE	REF NO.	PART NUMBER	QTY	PART NAME	NOTE	REF NO.	PART NUMBER	QTY	PART NAME
	1	01001617	1	Support, muffler		10	15080025	2	Elbow, 90° - rubber
	2	00187400	1	Coupling		11	33080071	1	Washer, lock 8 mm
	3	23570004	1	Muffler		12	29140263	1	B. 8 mm x 50 mm
	4	01006827	1	Cap, rain		13	01007228	1	Support tube
	5	13120055	1	Cap, air inlet		14	13390220	1	Clamp
Y	6	13420103	1	Cleaner, air		15	01007235	1	Tube, air cleaner
	7	12090017	2	Band, mounting		16	01007236	1	Tube
K	8	00179839	4	B. 3/8 N.C. x 1"		17	13390139	2	Clamp, hose
	9	13390071	3	Clamp, hose		18	15080015	1	Elbow, 90° rubber

K - For washer and nut part numbers see page 21.
Y - Separate illustration see page 17.

Ref.	Part number	Description	Qty	Code	Group page
1	0100-1617	SUPPORT, MUFFLER	1		
2	0018-7400	COUPLING	1		
3	2357-0004	MUFFLER	1		
4	0100-6827	CAP, RAIN	1		
5	1312-0055	CAP, AIR INLET	1		
6	1342-0103	CLEANER, AIR	1	Y	
7	1209-0017	BAND, MOUNTING	2		
8	0017-9839	B. 3/8 N.C. X 1"	4	K	
9	1339-0071	CLAMP, HOSE	3		
10	1508-0025	ELBOW, 90 degrees - rubber	2		
11	3308-0071	WASHER, LOCK 8 MM	1		
12	2914-0263	B. 8 MM X 50 MM	1		
13	0100-7228	SUPPORT TUBE	1		
14	1339-0220	CLAMP	1		
15	0100-7235	TUBE, AIR CLEANER	1		

ENGINE AIR INTAKE AND EXHAUST ASSEMBLY (continued)

Ref.	Part number	Description	Qty	Code	Group page
16	0100-7236	TUBE	1		
17	1339-0139	CLAMP, HOSE	2		
18	1508-0015	ELBOW, 90 degrees rubber	1		

CAT codes: K, Y.

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