Yanmar 3TNV88-BKMS 4TNV88-BKMS 4TNV88-BDMS Engines

Form No. 917329
Revision A 06/08

(P/N's 192473, 192474, and 192494)

Gehl 3640, 3840, 4240

Mustang 2026, 2041, 2044 2054

Skid-Steer Loaders



ENGINE PARTS MANUAL

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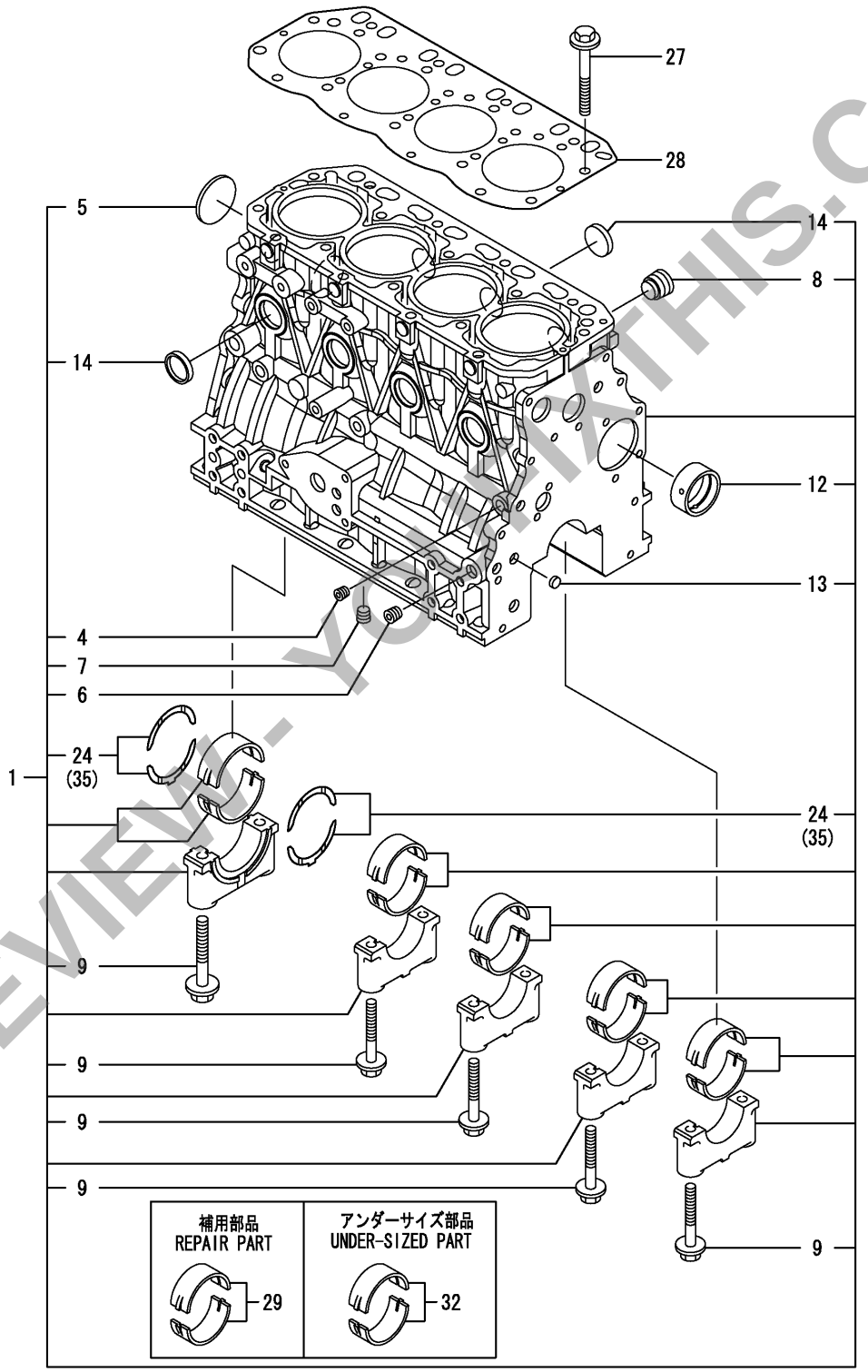
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CYLINDER BLOCK



Y00W3330	1. CYLINDER BLOCK				
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Ref. No.	Part No.	Description	Quantity 3TNV/4TNV88
1	188768	BLOCK ASSY, CYLINDER (4 CYLINDER)	1
	188762	BLOCK ASSY, CYLINDER (3 CYLINDER)	1
4	425-34723	PLUG PT1/8	1
5	425-36240	PLUG 50	1
6	425-34721	PLUG PT1/4	2
7	425-34721	PLUG PT1/4	1
8	425-34722	PLUG	1
9	425-34730	BOLT, METAL CAP (4 CYLINDER)	10
	425-34730	BOLT, METAL CAP (3 CYLINDER)	8
12	197589	BUSH, CAMSHAFT	1
13	425-34725	PLUG 12	2
14	188757	PLUG 30 (4 CYLINDER)	8
	188757	PLUG 30 (3 CYLINDER	6
24	425-34731	METAL, THRUST	2
27	425-34638	STUD, CYL. HEAD (4 CYLINDER)	18
	425-34638	STUD, CYL. HEAD (3 CYLINDER)	14
28	425-36006	GASKET,CYL.HEAD (4 CYLINDER)	1
	425-36241	GASKET, (NON-ASB.) (3 CYLINDER)	1
29	270942	MAIN BEARING SET (4 CYLINDER)	5
	270942	MAIN BEARING SET (3 CYLINDER)	4
32	270943	MAIN METAL US=0.25 (4 CYLINDER	5
	270943	MAIN METAL US=0.25 (3 CYLINDER)	4
35	270944	METAL,THRUST.25(4PIE	1

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TORQUE SPECIFICATIONS

Use these torque values when tightening hardware (excluding locknuts, and self-tapping, thread-forming, and sheet metal screws) unless otherwise specified.

UNIFIED NATIONAL THREAD	GRADE 2		GRADE 5		GRADE 8	
	DRY	LUBED	DRY	LUBED	DRY	LUBED
8-32	19*	14*	30*	22*	41*	31*
8-36	20*	15*	31*	23*	43*	32*
10-24	27*	21*	43*	32*	60*	45*
10-32	31*	23*	49*	36*	68*	51*
1/4-20	66*	50*	9	75*	12	9
1/4-28	76*	56*	10	86*	14	10
5/16-18	11	9	17	13	25	18
5/16-24	12	9	19	14	25	20
3/8-16	20	15	30	23	45	35
3/8-24	23	17	35	25	50	35
7/16-14	32	24	50	35	70	55
7/16-20	36	27	55	40	80	60
1/2-13	50	35	75	55	110	80
1/2-20	55	40	90	65	120	90
9/16-12	70	55	110	80	150	110
9/16-18	80	60	120	90	170	130
5/8-11	100	75	150	110	220	170
5/8-18	110	85	180	130	240	180
3/4-10	175	130	260	200	380	280
3/4-16	200	150	300	220	420	320
7/8-9	170	125	430	320	600	460
7/8-14	180	140	470	360	660	500
1-8	250	190	640	480	900	680
1-12	270	210	710	530	1000	740
METRIC COARSE THREAD	**GRADE 8.8**		**GRADE 10.9**		**GRADE 12.9**	
	DRY	**LUBED**	**DRY**	**LUBED**	**DRY**	**LUBED**
M6-1	8	6	11	8	13.5	10
M8-1.25	19	14	27	20	32.5	24
M10-1.5	37.5	28	53	39	64	47
M12-1.75	65	48	91.5	67.5	111.5	82
M14-2	103.5	76.5	145.5	108	176.5	131
M16-2	158.5	117.5	223.5	165.5	271	200

*All torque values are in ft-lbs except those marked with an * which are in lbs.
For metric torque value (N·m) multiply ft-lbs value by 1.355 or the in-lbs value by 0.113.

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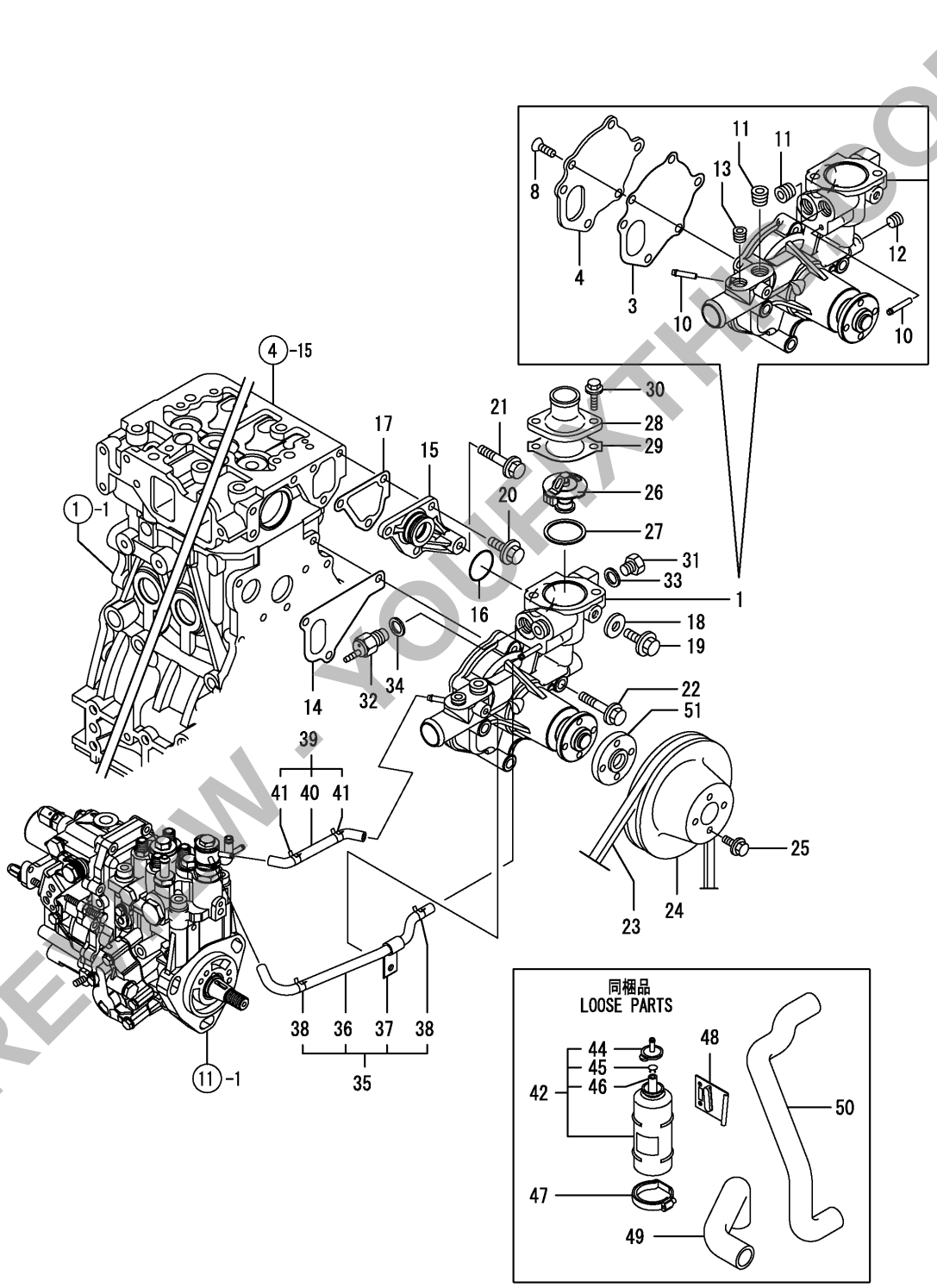
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186318	34	15	188452	4	9	188554	22	40	188665	28	62
186319	34	16	188452	36	3	188555	28	50	188668	20	16
186320	34	29	188455	34	20	188556	28	54	188679	8	1
186321	34	9	188456	34	5	188557	28	58	188681	32	2
186322	34	10	188457	34	19	188558	12	1	188682	32	14
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186327	34	22	188469	10	46	188562	18	15	188690	30	10
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