



Allis Chalmers

Parts Manual

TL-10

Tractor Loader

S/n 0-2502

JENSALES.COM

or Call 800-443-0625



THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
ALLIS CHALMERS OR IT'S SUCCESSORS. **ALLIS CHALMERS** AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

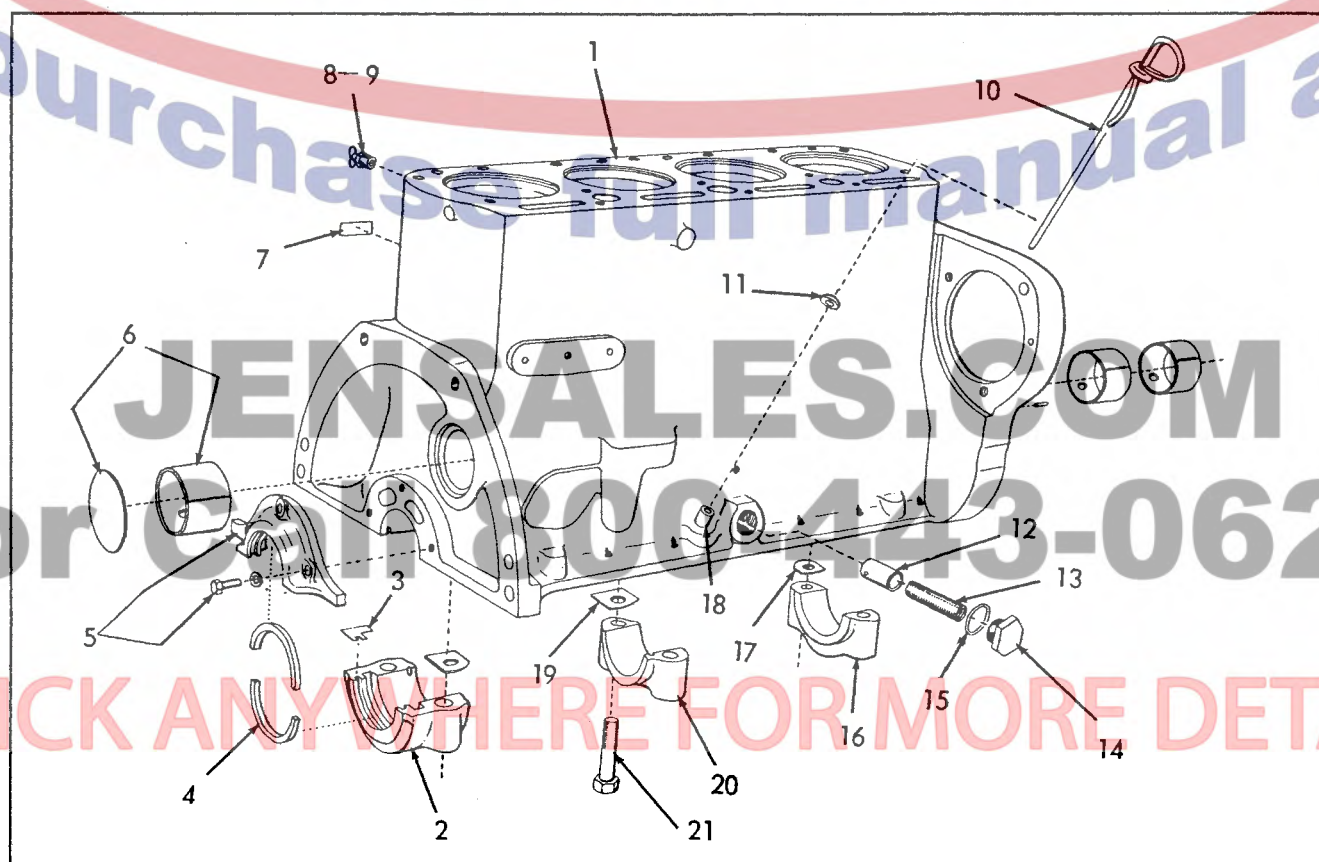
AC-P-TL10

Parts Manual

CYLINDER BLOCK - USED PRIOR ENGINE #45-1001-G - CONTINUED

(See Plate 186)

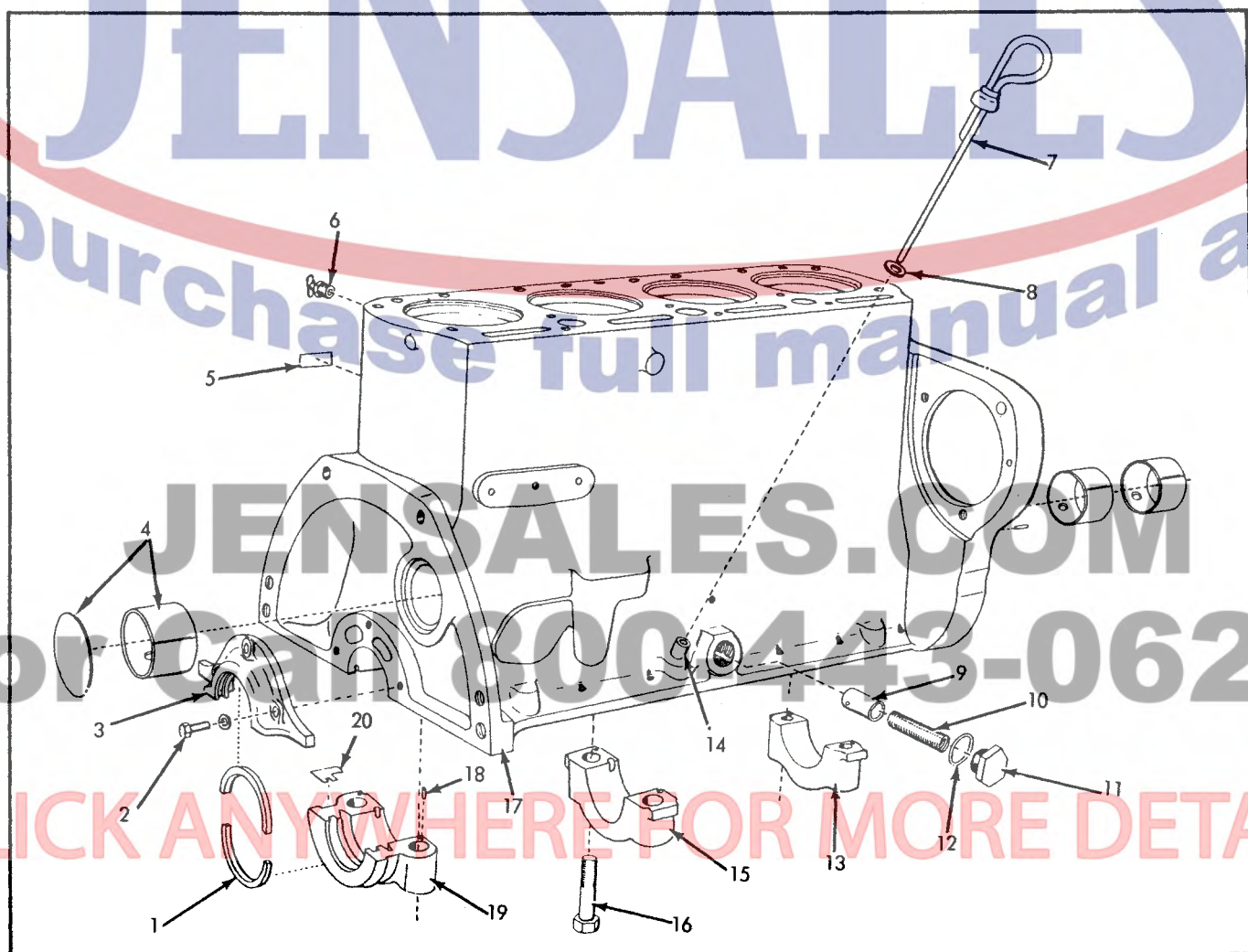
ITEM	PART NUMBER	QTY.	PART NAME
19	U-3129	1	Plunger, Oil Pressure Relief Valve
20	U-3144	1	Spring, Oil Pressure Relief Valve
21	225657	1	Plug, Oil Pressure Relief Valve
22	U-3130	1	Gasket, Relief Valve Plug (Used prior Engine #329900)
	226012	1	Gasket, Relief Valve Plug, (Used Engine #329900 and up)
23	----	2	Seal, Oil (Half) (See Crankshaft Section)
24	U-3042	1	Retainer, Oil Seal, Rear
25	903772	3	Capscrew, Oil Seal, Retainer, Rear
26	904205	3	Lockwasher
27	----	3	Bushing, Camshaft (See Camshaft Section)



CYLINDER BLOCK - EFFECTIVE ENGINE #45-1001-G

CYLINDER BLOCK -- EFFECTIVE ENGINE #45-1001-G & UP -- CONTINUED

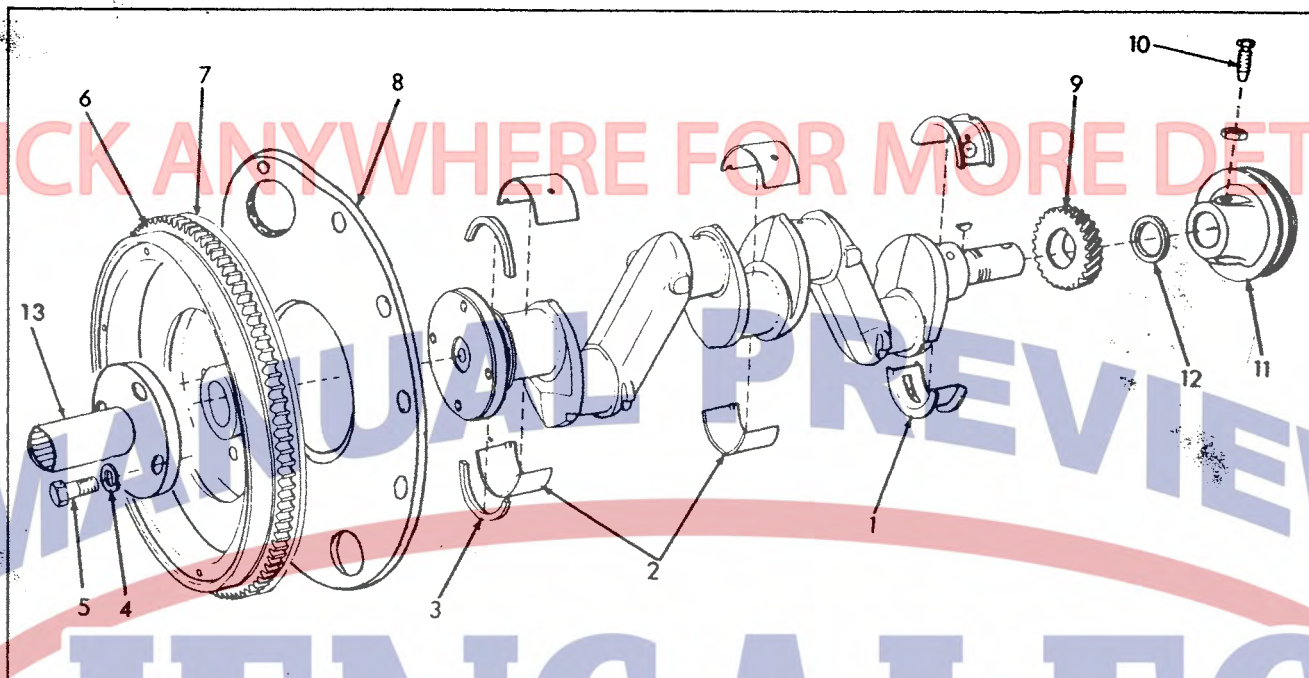
ITEM	PART NUMBER	QTY.	PART NAME	ASSEMBLY OR PACKAGE NO.
11	U-4014	1	Seal, oil level gauge	
12	U-3129	1	Plunger, oil pressure relief valve	
13	U-3144	1	Spring, oil pressure relief valve	
14	226408	1	Plug, oil pressure relief valve	
15	226012	1	Gasket, plug	
16	U-3157	1	Cap, bearing, front	
17	204722	2	Shim, front bearing cap	226533
18	U-3118	1	Bushing, oil level gauge	
19	204721	4	Shim, center and rear bearing cap	226533
20	U-3021	1	Cap, bearing, center	
21	226152	6	Bolt, main bearing cap	



CYLINDER BLOCK

CYLINDER BLOCK – EFFECTIVE with ENGINE #17-1001-M

ITEM	PART NUMBER	QTY.	PART NAME	ASSEMBLY OR PACKAGE NO.
	23101	1	Engine Assy., Complete, Gas. (7.25:1 Ratio)	
	18594	1	Engine Assy., Complete, Gas. (8.25:1 Ratio) Altitude 4000 ft. and above	
	18596	1	Engine Assy., Complete, Kero. (4.75:1 Ratio)	
	18595	1	Engine Assy., Complete, Kero. (:1 Ratio) Altitude 4000 ft. and above	
1	229180	2	Seal, Crankshaft, front (See Crankshaft group)	
	229715	3	Capscrew, rear seal retainer	
2	904205	3	Lockwasher	
3	229179	1	Retainer, rear oil seal	
	-----	3	Bushing, camshaft (See Camshaft group)	
4	910011	1	Plug, expansion, 2-1/2" diam.	
5	206289	1	Transfer, cylinder block drain	230280
6	918849	1	Cock, drain	
7	230066	1	Rod, oil level gauge (Includes Item #8)	
8	U-4014	1	Seal, oil level gauge rod	
9	U-3129	1	Plunger, oil pressure relief valve	
10	229181	1	Spring, oil pressure relief valve	Used Prior to engine
11	226408	1	Plug, oil pressure relief valve	#17-20628-M
12	226012	1	Gasket, plug	
13	229173	1	Cap, bearing, rear	
14	230331	1	Bushing, oil level gauge	
15	229172	1	Cap, bearing, center	
16	229174	6	Capscrew, main bearing cap	
17	230424	1	Block Assy., cylinder (Includes Items #4, #13, #15, #16 & #19)	
18	229370	6	Pin, dowel, bearing cap	
19	229171	1	Cap, bearing, front	
20	229178	2	Gasket, front bearing cap	229866, 229860
	-----	1	Transfer, engine designation "Power Crater"	230280



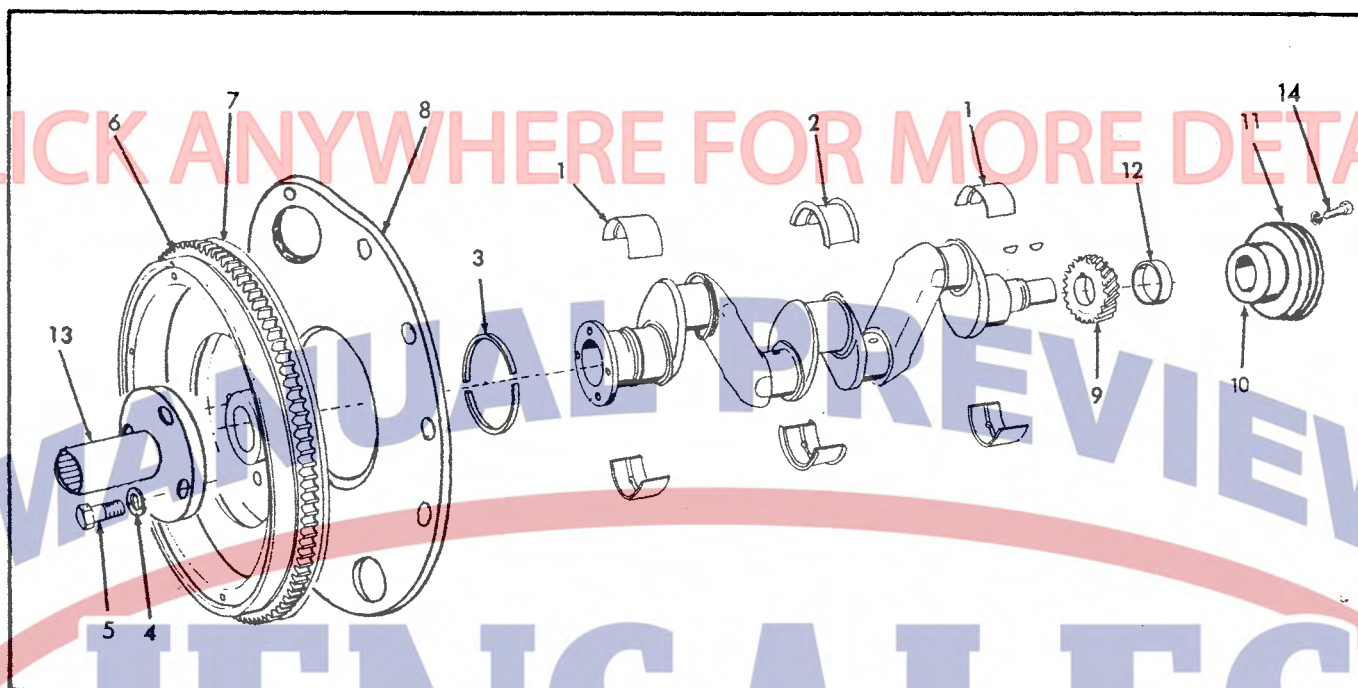
CRANKSHAFT AND FLYWHEEL – USED PRIOR TO ENGINE #17-1001-M

ITEM	PART NUMBER	QTY.	PART NAME	ASSEMBLY OR PACKAGE NO.
–	226533	1	Crankshaft Kit (Std.) (Eff. Eng. #45-11050 and up with 226542 Gear)	226533
–	226358	1	Crankshaft Kit (Std.) (Used Eng. #45-1001-G thru #45-11049 with U-3033 Gear)	226358
–	224932	1	Crankshaft Kit (Std.) (Used prior Eng. #45-1001-G)	224932
–	281986	1	Crankshaft Kit (.040" Undersize) (Used prior Eng. #269166)	281986
1	U-3158	2	Bearing, Half, front (Std.)	209868
	211853	2	Bearing, Half, front (.0025" Undersize)	215279
	213354	2	Bearing, Half, front (.040" Undersize)	213556
	223550	2	Bearing, Half, front (.0425" Undersize)	223561
	223551	2	Bearing, Half, front (.45" Undersize)	223562
2	U-3024	4	Bearing, Half, center and rear (Std.)	209868
	211857	4	Bearing, Half, center and rear (.0025" Undersize)	215279
	213355	4	Bearing, Half, center and rear (.040" Undersize)	213556
	215276	4	Bearing, Half, center and rear (.0425" Undersize)	223561
	215275	4	Bearing, Half, center and rear (.045" Undersize)	223562
3	U-3041	2	Ring, Seal, Oil, rear (Half) (Used prior to Eng. #269166)	209870
	224945	2	Seal (Half) Crankshaft, rear (Used on Eng. #269166 and up)	
4	904208	4	Lockwasher, 1/2" ASA Med.	
5	7795	4	Capscrew, Flywheel, 1/2" – 20 NF x 1-1/2"	
6	4806	1	Gear, Ring, Flywheel (120 T)	
7	7420	1	Flywheel Assy. (Includes Ring Gear)	

(Continued)

CRANKSHAFT AND FLYWHEEL – CONTINUED
USED PRIOR TO ENGINE #17-1001-M

ITEM	PART NUMBER	QTY.	PART NAME	ASSEMBLY OR PACKAGE NO.
8	204061	1	Wick, Oil (For Clutch Pilot Bearing) (Used prior Eng. #253200)	Not Illustrated
	- - -	1	Stopper, Crankshaft (Cork) Note: Use No. 2 U.S. Std. Cork Stopper (Used Eng. #253200 thru 253489)	
9	U-3033	1	Gear, Timing (27 T) (Used w/226358 Crankshaft prior Eng. #45-11050)	
	226542	1	Gear, Timing (Used w/226533 Crankshaft on Eng. #45-11050 & up)	
10	207872	1	Setscrew, Fan Drive Pulley (Used prior TL - 10 #256)	
	903574	1	Nut, 5/8"	
	9538	1	Setscrew (Eff. TL - 10 #256 w/9528 Pulley)	
	9537	1	Setscrew	
	U-3088	1	Pulley, Fan Drive (Used prior TL-10 #256)	
11	9528	1	Pulley (Eff. TL-10 #256)	
	12989	1	Pulley (For machines equipped with Power Steering)	
	U-3040	1	Ring, Seal, Oil, Front (Used prior to Eng. #269166)	209870
12	224929	1	Seal, Crankshaft, front (Used on Eng. #269166 thru 45-16650)	224946
	226620	1	Seal, Crankshaft, front (Eff. Eng. #45-16650)	226640
13	7708	1	Shaft Flange	
14	4804	1	Adapter Plate	



CRANKSHAFT AND FLYWHEEL – EFFECTIVE WITH ENGINE #17-1001-M

ITEM	PART NUMBER	QTY.	PART NAME	ASSEMBLY OR PACKAGE NO.
—	-----	1	Crankshaft (Std.)	229092
1	229888	4	Bearing, half, front and rear (Std.)	
	229885	4	Bearing, half, front and rear (.001" u/size)	Use Prior to engine #17-20628-M
	229886	4	Bearing, half, front and rear (.0025" u/size)	
	231452	4	Bearing, half, front and rear (Std.)	
	231924	4	Bearing, half, front and rear (.001" u/size)	Effective with engine #17-20628-M
	231925	4	Bearing, half, front and rear (.0025" u/size)	
	229862	2	Bearing, half, center (Std.)	
2	229881	2	Bearing, half, center (.001" u/size)	Use Prior to engine #17-20628-M
	229882	2	Bearing, half, center (.0025" u/size)	
	231451	2	Bearing, half, center (Std.)	
	231922	2	Bearing, half, center (.001" u/size)	Effective with engine #17-20628-M
	231923	2	Bearing, half, center (.0025" u/size)	
3	229180	2	Seal, half, crankshaft, front (See Cylinder Block Group)	
4	904208	4	Lockwasher, 1/2" ASA Med.	
5	7795	4	Capscrew, flywheel, 1/2" – 20 NF x 1/2"	
6	4806	1	Gear, ring, flywheel (120T)	
7	7420	1	Flywheel Assy. (Includes Ring Gear)	
8	4804	1	Adapter Plate (See Torque Converter & Flywheel Housing Group)	(Continued)