



Parts Manual

Model TL642

S/N TBK00100 & After

P/N 31200255

*Revised
April 27, 2012*

epcatalogs.com

epcatalogs.com

EFFECTIVITY PAGE

October 20, 2006 - A - Original Issue of Manual

November 9, 2006 - B - Revised Manual

February 23, 2007 - C - Revised Manual

June 29, 2007 - D - Revised Manual

November 1, 2007 - E - Revised Manual

April 25, 2008 - F - Revised Manual

October 24, 2008 - G - Revised Manual

February 6, 2009 - H - Revised Manual

September 18, 2009 - I - Revised Manual

November 15, 2010 - J - Revised Manual

April 27, 2012 - K - Revised Manual

epcatalogs.com

EFFECTIVITY PAGE

epcatalogs.com

TABLE OF CONTENTS

FIGURE NO.	TITLE	PAGE NO.
SECTION 1 –		
FRAME & ATTACHING PARTS		1-1
1-1	Frame Shrouding & Trim	1-2
1-2	Axle Mounting	1-10
1-3	Outrigger Mounting, (if equipped)	1-12
SECTION 2 –		
BOOM		2-1
2-1	First Boom Section	2-2
2-2	Bearing Pads, Spacers & Shims, (First Boom Section)	2-4
2-3	Second Boom Section	2-6
2-4	Bearing Pads, Spacers and Shims, (Second Boom Section)	2-8
2-5	Third Boom Section	2-12
2-6	Bearing Pads, Spacers and Shims, (Third Boom Section)	2-14
2-7	Push Beam/Extend Chain & Roller Assembly	2-16
2-8	Quick Coupler Assembly	2-18
2-9	Hydraulic Quick Coupler Assembly	2-20
SECTION 3 –		
ATTACHMENTS		3-1
3-1	Carriage Assembly	3-2
3-2	Forks	3-4
3-3	Winch Installation	3-6
3-4	Side Tilt Carriage Assembly	3-8
3-5	Fork Clamp Installation	3-10
3-6	Fork Mounted Platform	3-12
3-7	Fork Mounted Hook	3-16
3-8	100 Degree Swing Carriage	3-18
3-9	Side Shift Carriage	3-20
SECTION 4 –		
ENGINE & ATTACHING PARTS		4-1
4-1	Engine Assembly, LH View	4-2
4-2	Engine Assembly, RH View	4-6
4-3	Engine Assembly	4-8
4-4	Cat Engine	4-12
4-5	Fuel Tank & Lines	4-16
4-6	Radiator Assembly	4-18
4-7	Air Cleaner and Installation	4-22
4-8	Exhaust Installation	4-26
4-9	Transmission - ZF Transmission	4-30
4-10	ZF Transmission - Converter & Input	4-32
4-11	ZF Transmission - Gearbox Housing	4-34
4-12	ZF Transmission - Reversing Gear	4-36

[Buy now](#)

[Caterpillar Telehandler TL642 Parts Manual PDF](#)

[With Instant Download](#)