

	TOOL USE INSTRUCTION	
	TOOL NUMBER: TSN01432-100-A	DATE: 10/21/2024
	TITLE: TRANSMISSION JACK - 1/2 TON CAPACITY ASSEMBLY	DOC REV: 1



Tool Function:
 To assemble the Norco transmission jack so that it has sufficient clearance to straddle the Haas Shop Lift.

- Related Tools and Training:**
 TSN01178-300-A: DRIVE UNIT HOIST
 TSN01431-300-A: HVDB SADDLE - C3/BALTIC
 TSN00781-300-B: KIT, DRIVE UNIT CRADLE

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OVERVIEW

MODEL NUMBER	CAPACITY	LIFT RANGE		BASE SIZE	SADDLE TILT			SHIPPING WEIGHT (Lbs.)
		Low	High		Fwd.	Back	Side	
72550B	1/2 TON	35"	72"	34" x 37"	42°	46°	±12°	178

Dimensions

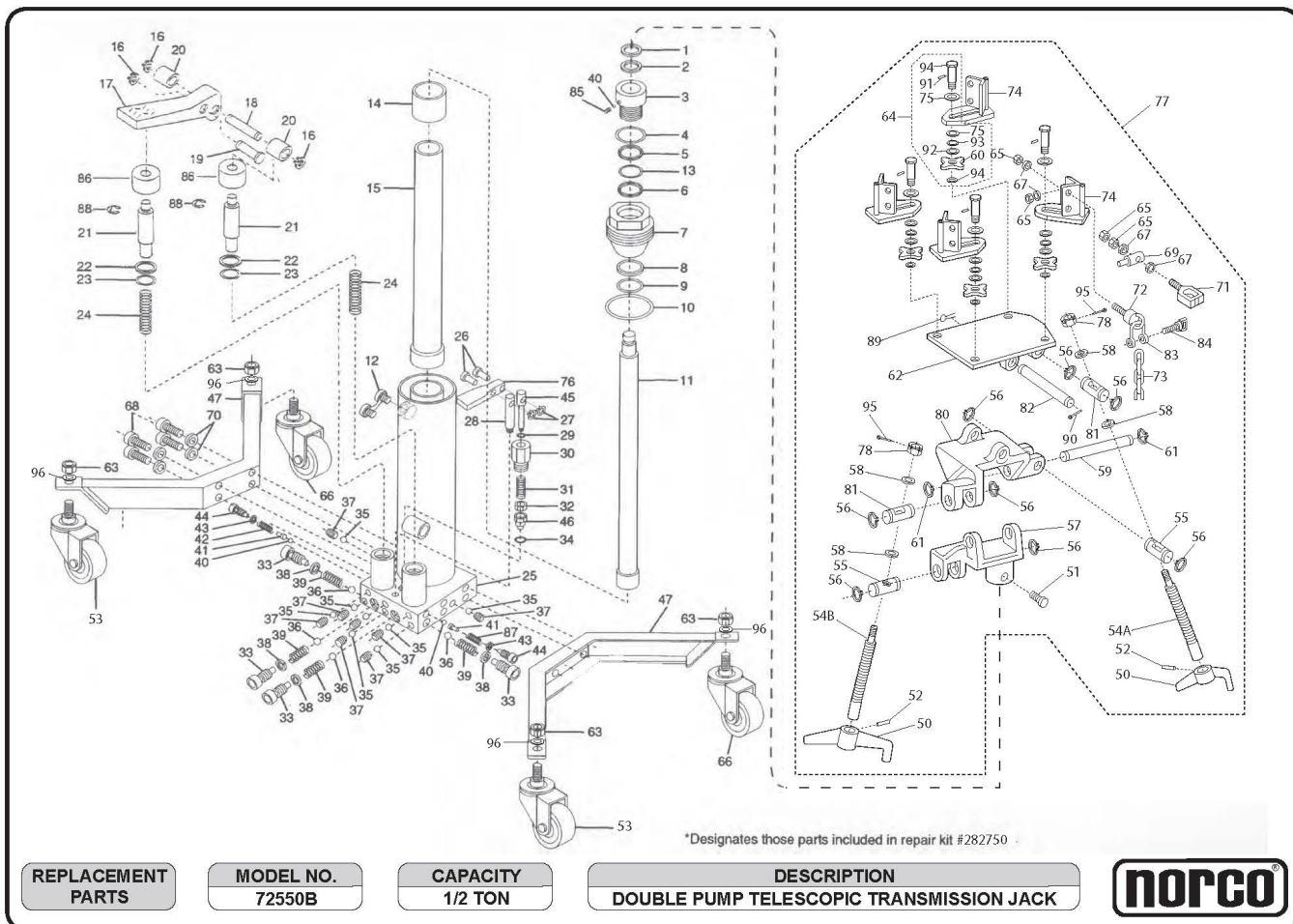
Low Lift Height: 35"

High Lift Height: 72"

Base Dimensions: 34" x 37"

Shipping Weight: 178 lbs.

Component Guide





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INDEX NO.	DESCRIPTION	PART NO.	REQ'D NO.
*1	Oil Wiper Seal	282201	1
*2	Pressure Seal	282202	1
3	Cylinder Nut (secondary)	282754	1
*4	O-Ring	282204	1
*5	Oil Wiper Seal	282206	1
*6	Pressure Seal	282207	1
7	Cylinder Nut (primary)	282759	1
*8	O-Ring	282209	1
*9	Backup Ring	282211	1
*10	O-Ring	282212	1
11	Ram (secondary)	282389	1
12	Fill Plugs w/"O" rings	282220	1
*13	O-Ring Seal	282192	1
14	Primary Ram Sleeve	282748	1
15	Ram (primary)	282387	1
16	Retaining Ring	282219	3
17	Pump Pedal	282221	1
18	Pedal Pivot Pin	282376	1
19	Pedal Bearing Pin	282223	1
20	Pedal Bearing	282378	2
21	Pump Piston	282269	2
*22	Oil Wiper Seal	282227	2
*23	Pressure Seal	282228	2
24	Pump Spring	282271	2
25	Hydraulic Block Assembly	282375	1
26	Release Pivot Pin	282231	2
27	Retaining Ring	282232	2
28	Pedal Support Pin	282233	1
*29	Release O-Ring	282234	1
30	Release Housing	282236	1
31	Release Spring	282237	1
32	Release Nut	282238	1
33	Valve Cover Screw	282239	4
34	Copper Washer	282241	1
35	1/4" Diameter Checkball	9004	8
36	5/16" Diameter Checkball	9005	4
37	1/4" - 20 x 5/16" Screw	3142	8
38	Copper Washer	282242	4
39	Valve Spring	282243	4
40	Checkball	9007	3
41	Ball Retainer	282244	2
42	Overload Spring	282246	1
*43	O-Ring	282247	2
44	Overload Screw	282248	2
45	Release Valve Shaft	282249	1
46	Release Valve Assembly	282250	1
47	Leg	282251	2
48			
49			
50	Handle	282559	2

INDEX NO.	DESCRIPTION	PART NO.	REQ'D NO.
51	Bolt	282372	1
52	Expansion Pin	282598	2
53	Locking Caster Assembly	282260	2
54A	Tilt Screw (short)	282595	1
54B	Tilt Screw (long)	282597	1
55	Threaded Trunion	282592	2
56	Retaining Ring	282589	8
57	Saddle Base	282386	1
58	Bronze Washer	282593	4
59	Saddle Tilt Pin	282587	1
60	Saddle Tilt Pin	282577	1
61	Cotter Pin	282574	1
62	Universal Saddle	282576	1
63	Caster Nut	1068	4
64	Shoulder Bolt Assembly	282558A	4
65	Nut	282568	8
66	Caster Assembly	282245	2
67	Washer	282569	8
68	Mounting Screw	282253	8
69	Flange Nut	282571	4
70	Washer	282254	8
71	Chain Tensioner Adjuster	282572	2
72	Eye Bolt	282578	4
73	Chain	282582	2
74	Containing Angle	282440	4
75	Washer (See P/N 282558A)	282561	4
76	Release Pedal	282256	1
77	Complete Saddle Assembly	282435	1
78	Castle Nut	282584	2
79	Retaining Ring	282586	2
80	Pivot Base	282588	1
81	Anchor Trunion	282591	2
82	Cotter Pin	282583	2
83	Clevis	282579	4
84	Clevis Bolt	282581	4
85	Set Screw	282257	1
86	Dust Cover	282272	2
87	Secondary Overload Spring	282381	1
88	"E" Retaining Ring	282273	2
89	Washer (See P/N 282558A)	282561	8
90	Washer (See P/N 282558A)	282562	4
91	Bronze Bushing (See P/N 282558A)	282563	4
92	Knob (See P/N 282558A)	282564	4
93	Retaining Ring (See P/N 282558A)	282566	4
94	Shoulder Bolt (See P/N 282558A)	282391	4
95	Expansion Pin (See P/N 282558A)	282392	4
96	1/2" Split Medium Lock Washer Plated	2001	4
97	Complete Hydraulic Assembly	282400	1

* Designates those parts included
in repair kit #282750

⚠ WARNING ⚠

Do not perform procedure if any components are missing or damaged. Consult the Rivian Service Tool Catalog for replacement components



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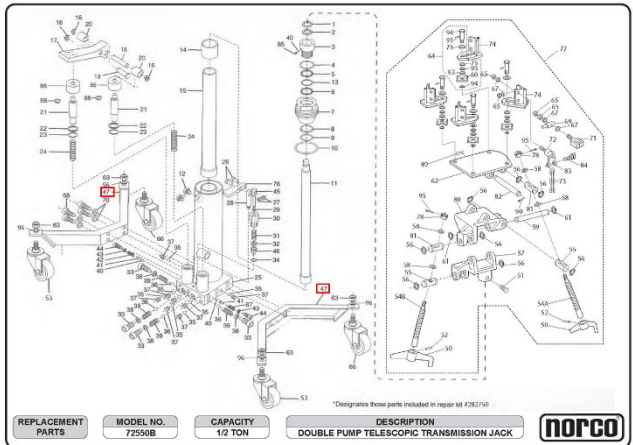
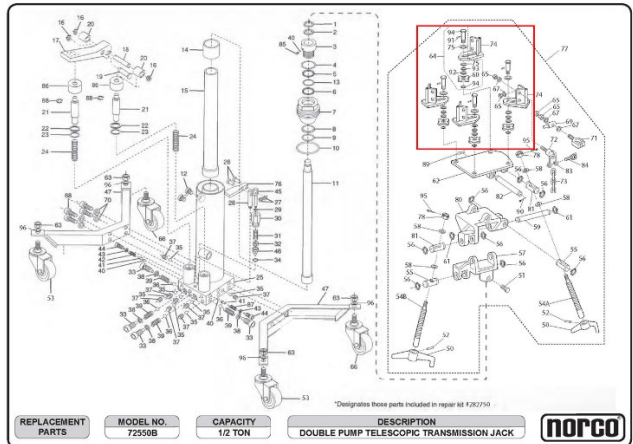
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INITIAL SET-UP

- Refer to the [operations manual](#) for setup, operating instructions, preventative maintenance, and repair service.
- Visually inspect transmission jack for damage prior to use.
- Operate the transmission jack to ensure functionality. Refer to manufacturer specification for proper maintenance.

TOOL ASSEMBLY

STEP	DIRECTIONS	VISUAL AID
1	Install 2X Legs, Items 47 (boxed in red), upside down from the diagram.	
2	Remove 4X Shoulder Bolt Assemblies, Items 64 (boxed in red), from the Universal Saddle, Item 62. Follow manufacturer's instructions to assemble remainder of the tool.	



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The finished assembly will look like this.



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REVISION LOG

REV	REASON FOR CHANGE	DATE
1.0	Initial Release	10/21/2024