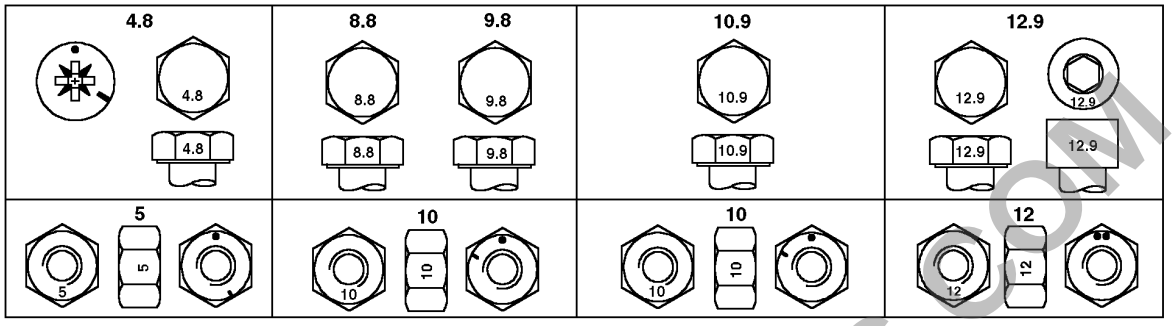
Metric Bolt and Cap Screw Torque Values



TORQ2 —UN—15APR13

Top—Property Class and Head Markings; Bottom—Property Class and Nut Markings

Bolt or Screw Size	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Hex Head[a]		Flange Head[b]		Hex Head[a]		Flange Head[b]		Hex Head[a]		Flange Head[b]		Hex Head[a]		Flange Head[b]	
	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in
M6	3.6	31.9	3.9	34.5	6.7	59.3	7.3	64.6	9.8	86.7	10.8	95.6	11.5	102	12.6	112
									N·m	lb·ft	N·m	lb·ft	N·m	lb·ft	N·m	lb·ft
M8	8.6	76.1	9.4	83.2	16.2	143	17.6	156	23.8	17.6	25.9	19.1	27.8	20.5	30.3	22.3
			N·m	lb·ft	N·m	lb·ft	N·m	lb·ft								
M10	16.9	150	18.4	13.6	31.9	23.5	34.7	25.6	46.8	34.5	51	37.6	55	40.6	60	44.3
	N·m	lb·ft														
M12	—	—	—	—	55	40.6	61	45	81	59.7	89	65.6	95	70.1	105	77.4
M14	—	—	—	—	87	64.2	96	70.8	128	94.4	141	104	150	111	165	122
M16	—	—	—	—	135	99.6	149	110	198	146	219	162	232	171	257	190
M18	—	—	—	—	193	142	214	158	275	203	304	224	322	245	356	263
M20	—	—	—	—	272	201	301	222	387	285	428	316	453	334	501	370
M22	—	—	—	—	365	263	405	299	520	384	576	425	608	448	674	497
M24	—	—	—	—	468	345	518	382	666	491	738	544	780	575	864	637
M27	—	—	—	—	683	504	758	559	973	718	1080	797	1139	840	1263	932
M30	—	—	—	—	932	687	1029	759	1327	979	1466	1081	1553	1145	1715	1265
M33	—	—	—	—	1258	928	1398	1031	1788	1319	1986	1465	2092	1543	2324	1714
M36	—	—	—	—	1617	1193	1789	1319	2303	1699	2548	1879	2695	1988	2982	2199

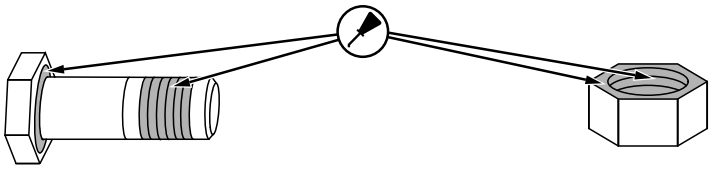
The nominal torque values listed are for general use only with the assumed wrenching accuracy of 20%, such as a manual torque wrench.
DO NOT use these values if a different torque value or tightening procedure is given for a specific application.
For lock nuts, stainless steel fasteners, or nuts on U-bolts, see the tightening instructions for the specific application.

Replace fasteners with the same or higher property class. If higher property class fasteners are used, tighten these to the strength of the original.
Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

CAUTION: Avoid injury. Use only metric tools on metric hardware. Other tools may not fit properly, causing tool to slip resulting in injury.

- Make sure that fastener threads are clean.
- Apply a thin coat of Hy-Gard™ or equivalent oil under the head and on the threads of the fastener, as shown in the following image.
- Be conservative with the amount of oil to reduce the potential for hydraulic lockup in blind holes because of excessive oil.
- Properly start thread engagement.

TS1741 —UN—22MAY18



Lubricant Locations

[a]*Hex head column values are valid for ISO 4014 and ISO 4017 hex head, ISO 4162 hex socket head, and ISO 4032 hex nuts.*

Continued on next page

OUT3035,TORQUE2 -19-26JUN18-1/2

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Track Roller Remove and Install

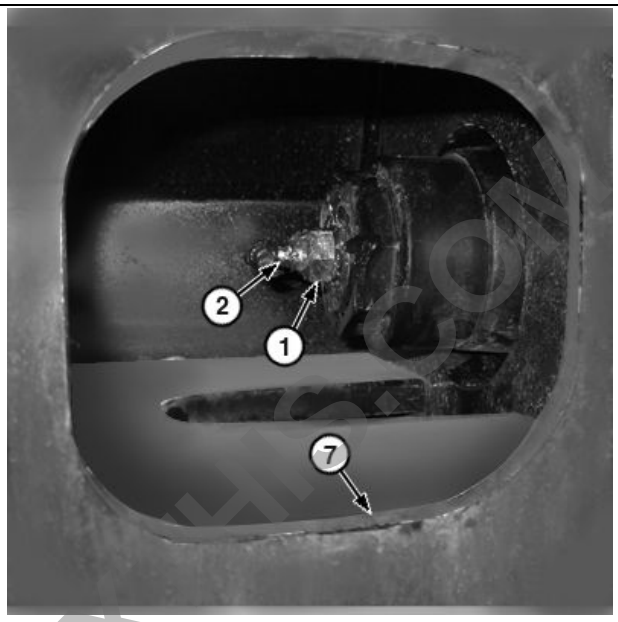
SPECIFICATIONS	
160GLC Excavator Weight (approximate)	17 945 kg 39 562 lb
Track Roller Weight (approximate)	35 kg 77 lb
Cap Screw Torque	460 N·m 339 lb·ft
Grease Fitting Torque	90 N·m 66 lb·ft

SERVICE EQUIPMENT AND TOOLS
D01182AA 20-Ton Floor Stands

1. Park and prepare machine for service safely. See Park and Prepare for Service Safely. (Group 0001.)

CAUTION: Personal injury may result from high-pressure grease. DO NOT remove grease fitting to release track tension.

2. Loosen grease fitting (1) counterclockwise 1—2 turns. Grease will escape through vent hole (2) in track adjuster cylinder.



TX1089326A —UN—15MAR11

Grease Fitting

1— Grease Fitting
2— Vent Hole
7— Track Frame

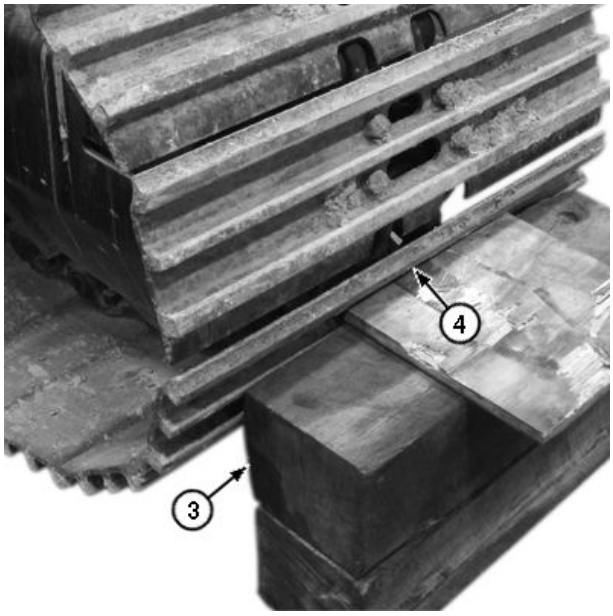
DB95148,00023D3 -19-18NOV15-1/4

3. Place wood block (3) in front of track to catch bar on grouser (4).

CAUTION: Prevent possible injury from unexpected machine movement. Alert bystanders to stay clear before performing procedure.

4. To relieve track tension, start machine and slowly rotate track so grouser mounts wood block and idler retracts.

3— Wood Block
4— Grouser



TX1098609A —UN—23SEP11

Procedure for Retracting Idler

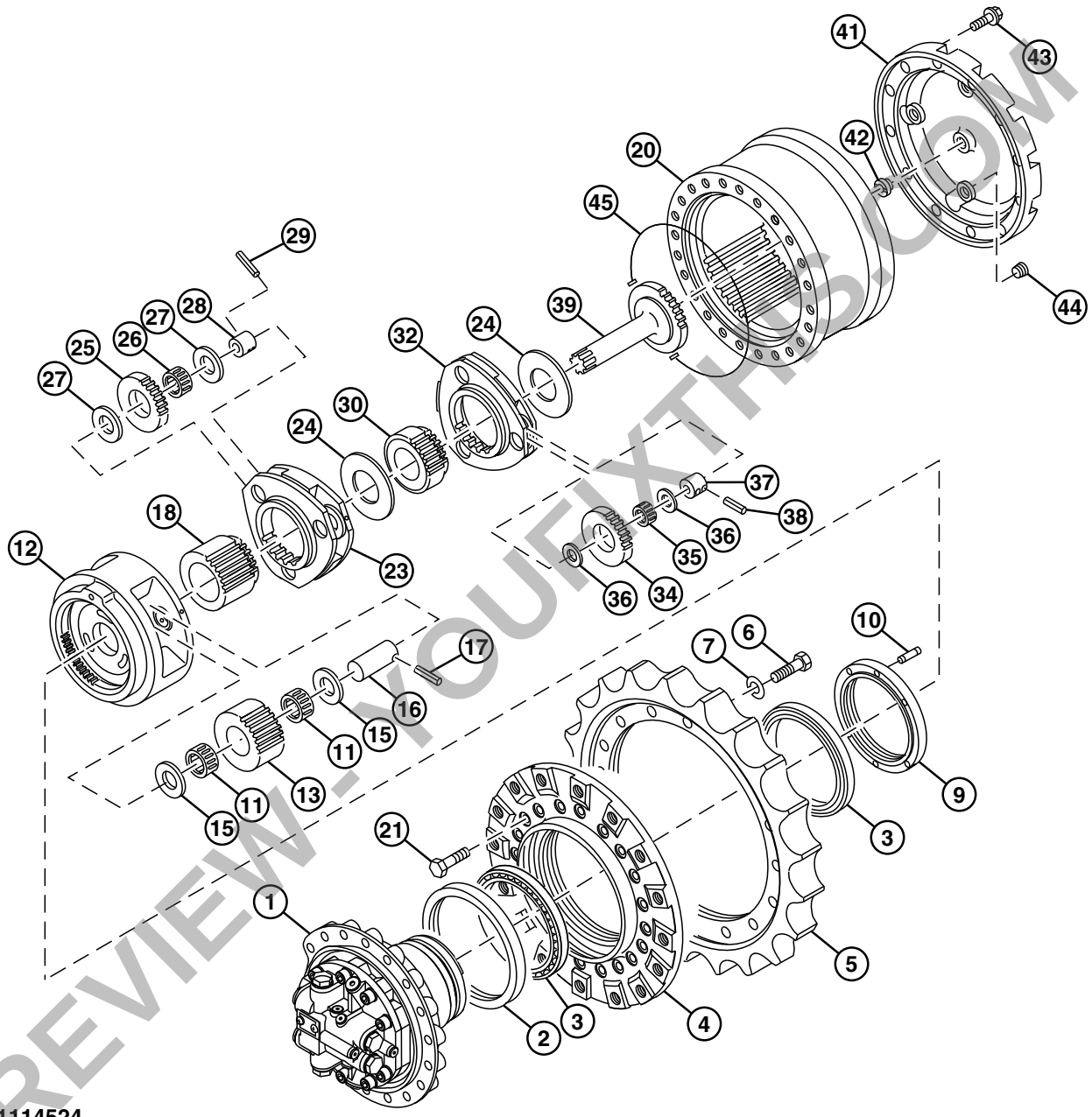
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Disassemble Travel Gear Case



TX1114524 —UN—24MAY12

TX1114524

Travel Gear Case

1— Travel Motor
2— Metal Face Seal
3— Tapered Roller Bearing (2 used)
4— Drum
5— Sprocket
6— Cap Screw (16 used)
7— Lock Washer (16 used)
9— Bearing Nut
10— Dowel Pin
11— Needle Bearing (6 used)
12— Third Stage Planetary Carrier
13— Planetary Gear (3 used)
15— Thrust Plate (6 used)
16— Pin Fastener (3 used)
17— Spring Pin (3 used)
18— Third Stage Sun Gear
20— Ring Gear
21— Cap Screw (20 used)
23— Second Stage Planetary Carrier
24— Spacer (2 used)
25— Planetary Gear (3 used)
26— Needle Bearing (3 used)
27— Thrust Plate (6 used)
28— Pin Fastener (3 used)
29— Spring Pin (3 used)
30— Second Stage Sun Gear
32— First Stage Planetary Carrier
34— Planetary Gear (3 used)
35— Needle Bearing (3 used)
36— Thrust Plate (6 used)
37— Pin Fastener (3 used)
38— Spring Pin (3 used)
39— Shaft
41— Cover
42— Stopper
43— Cap Screw (16 used)
44— Plug (3 used)
45— O-Ring

Continued on next page

TZ24494,0000891 -19-21FEB19-2/8

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[b]*Hex flange column values are valid for ASME B18.2.3.9M, ISO 4161, or EN 1665 hex flange products.*

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OUT3035,TORQUE2 -19-26JUN18-2/2

Additional Metric Cap Screw Torque Values

CAUTION: Use only metric tools on metric hardware. Other tools may not fit properly. They may slip and cause injury.

Check tightness of cap screws periodically. Torque values listed are for general use only. Do not use these values if a different torque value or tightening procedure is listed for a specific application.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.

Make sure fastener threads are clean and that the thread engagement is properly started. This will prevent fasteners from failing when tightening.

Tighten cap screws having lock nuts to approximately 50 percent of amount shown in chart.

METRIC CAP SCREW TORQUE VALUES[a]						
	T-Bolt		H-Bolt		M-Bolt	
Nominal Diameter	N·m	lb·ft	N·m	lb·ft	N·m	lb·ft
8	29	21	20	15	10	7
10	63	46	45	33	20	15
12	108	80	88	65	34	25
14	176	130	137	101	54	40
16	265	195	206	152	78	58
18	392	289	294	217	118	87
20	539	398	392	289	167	125
22	735	542	539	398	216	159
24	931	687	686	506	274	202
27	1372	1012	1029	759	392	289
30	1911	1410	1421	1049	539	398
33	2548	1890	1911	1410	735	542
36	3136	2314	2401	1772	931	687

[a]*Torque tolerance is ±10%.*



T-Bolt

T6873AA —UN—15APR13



H-Bolt

T6873AB —UN—18OCT88



M-Bolt

T6873AC —UN—18OCT88

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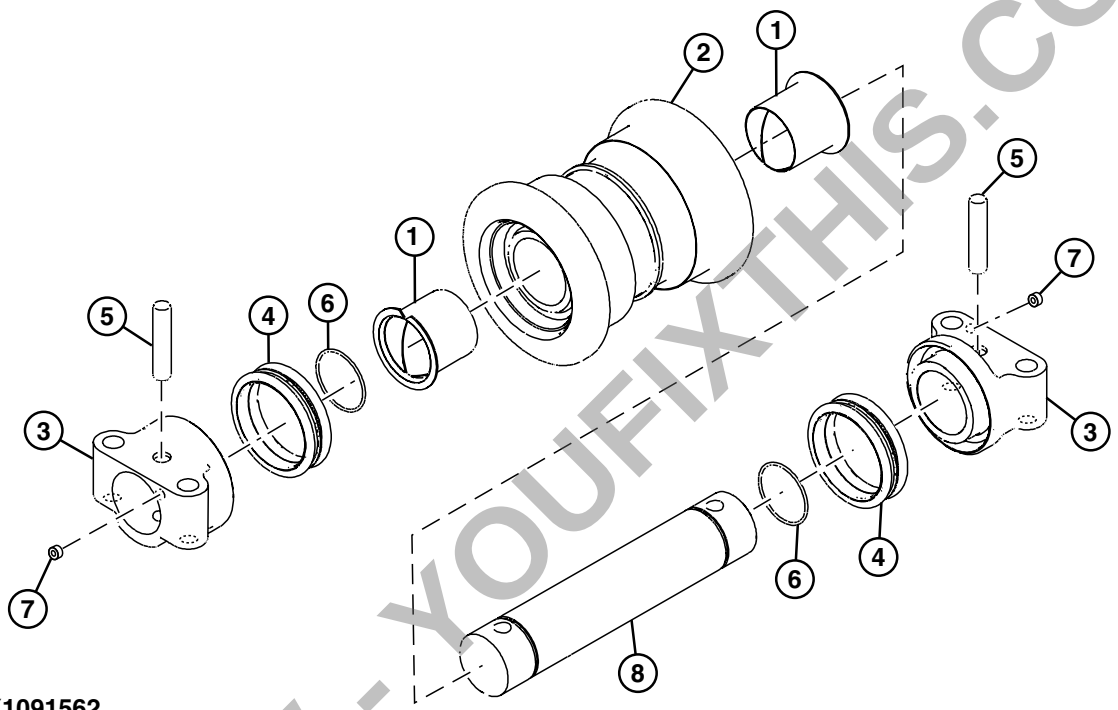
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Track Roller Disassemble and Assemble

SPECIFICATIONS	
Track Roller (engine oil SAE 30) Capacity	260 mL 8.8 oz
Fill Plug Torque	30 N·m 22 lb·ft
Track Roller Weight (approximate)	35 kg 77 lb

OTHER MATERIAL
NEVER-SEEZ® Anti-Seize Lubricant
Loctite® Klean 'N Prime™ Primer
Loctite® 592™ PST® Thread Sealant (slow cure)



TX1091562

TX1091562 —UN—03JUN11

Track Roller Components

1— Bushing (2 used)
2— Roller
3— Bracket (2 used)
4— Metal Face Seal (2 used)
5— Pin (2 used)
6— O-Ring (2 used)
7— Fill Plug (2 used)
8— Axle

⚠ CAUTION: Prevent possible crushing injury from heavy component. Use appropriate lifting device.

1. Remove track roller using appropriate lifting device. See Track Roller Remove and Install. (Group 0130.)

Specification	
Track Roller—Weight (approximate)	35 kg 77 lb

2. Remove fill plugs (7) and drain oil.
3. Remove pins (5).
4. Remove brackets (3).

NOTE: Metal face seals can be reused if they are not worn or damaged. A used seal must be kept together as a set because of wear patterns on seal ring face.

For seals that are reused, use a piece of cardboard between seal rings to protect seal face.

5. Remove metal face seals (4) from roller and bracket. Keep seal rings together as a matched set with seal ring faces together to protect surfaces.
6. Inspect metal face seals. See Metal Face Seals Repair. (Group 0130.)
7. Remove axle (8) and O-rings (6).

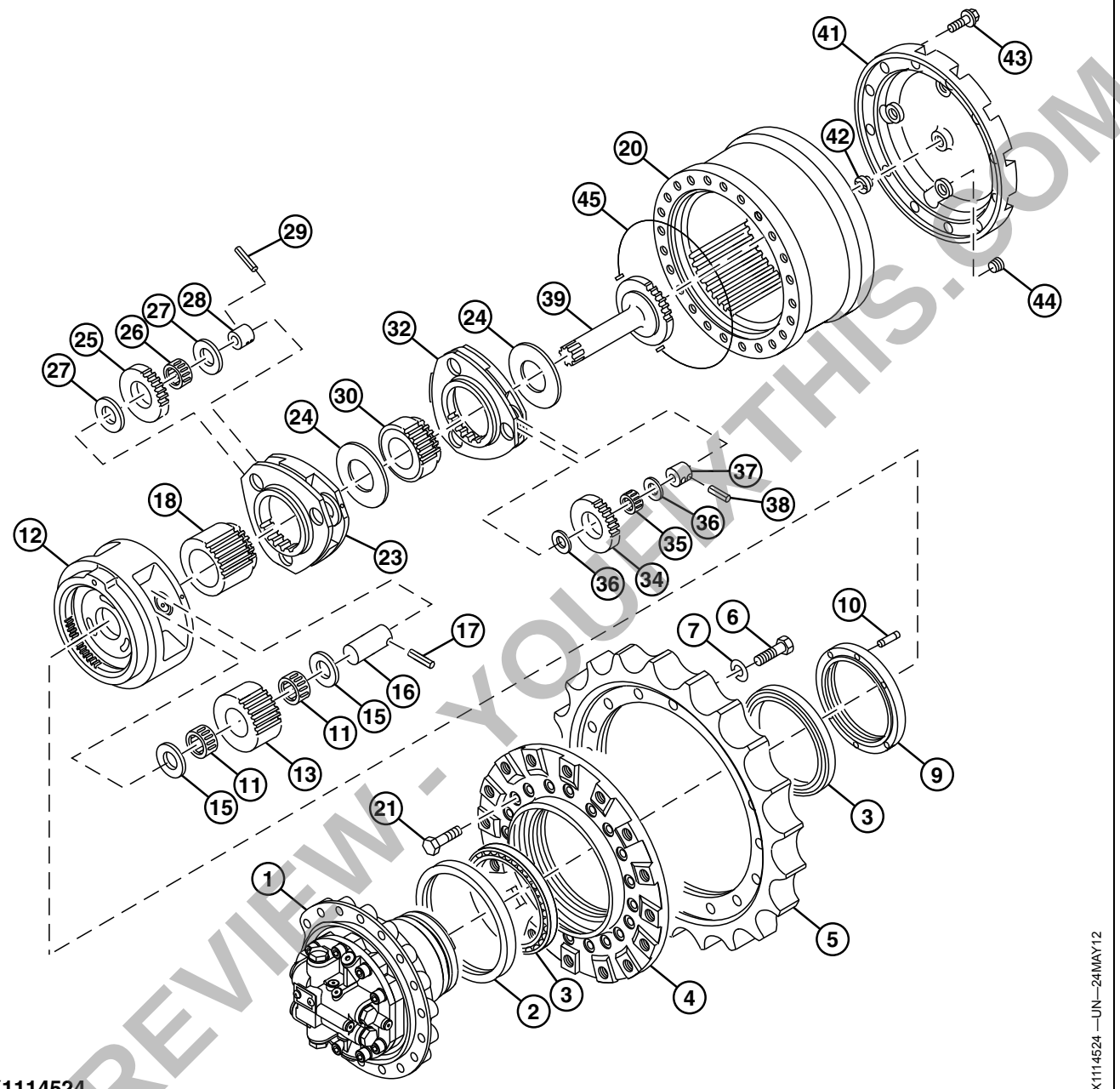
NOTE: Bushings should only be removed if replacement is necessary.

8. If necessary, remove bushings (1) using a press.
9. Inspect and replace parts as necessary. See 160GLC Track Roller Tread Diameter. (SP326VOL1 Undercarriage Appraisal Manual.)
10. Apply a thin film of oil to bushings and install.

Continued on next page

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Assemble Travel Gear Case



TX1114524 —UN—24MAY12

TX1114524

Travel Gear Case

1— Travel Motor
2— Metal Face Seal
3— Tapered Roller Bearing (2 used)
4— Drum
5— Sprocket
6— Cap Screw (16 used)
7— Lock Washer (16 used)
9— Bearing Nut
10— Dowel Pin
11— Needle Bearing (6 used)
12— Third Stage Planetary Carrier
13— Planetary Gear (3 used)
15— Thrust Plate (6 used)
16— Pin Fastener (3 used)
17— Spring Pin (3 used)
18— Third Stage Sun Gear
20— Ring Gear
21— Cap Screw (20 used)
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29— Spring Pin (3 used)
30— Second Stage Sun Gear
32— First Stage Planetary Carrier
34— Planetary Gear (3 used)
35— Needle Bearing (3 used)
36— Thrust Plate (6 used)
37— Pin Fastener (3 used)
38— Spring Pin (3 used)
39— Shaft
41— Cover
42— Stopper
43— Cap Screw (16 used)
44— Plug (3 used)
45— O-Ring

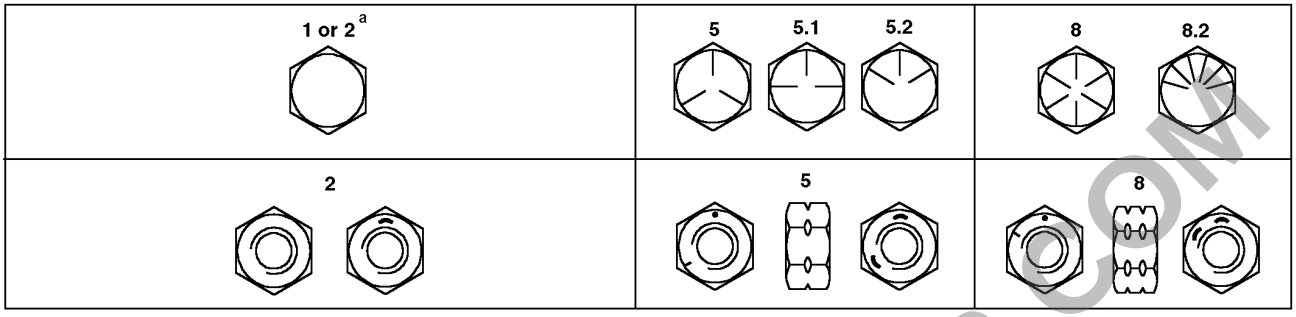
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Unified Inch Bolt and Cap Screw Torque Values



TORQ1A —UN—15APR13

Top—SAE Grade and Head Markings; Bottom—SAE Grade and Nut Markings

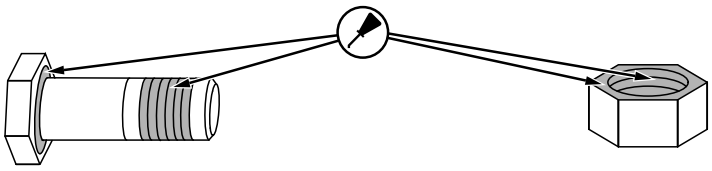
Bolt or Screw Size	SAE Grade 1[a]				SAE Grade 2[b]				SAE Grade 5, 5.1 or 5.2				SAE Grade 8 or 8.2			
	Hex Head[c]		Flange Head[d]		Hex Head[c]		Flange Head[d]		Hex Head[c]		Flange Head[d]		Hex Head[c]		Flange Head[d]	
	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in
1/4	3.1	27.3	3.2	28.4	5.1	45.5	5.3	47.3	7.9	70.2	8.3	73.1	11.2	99.2	11.6	103
													N·m	lb·ft	N·m	lb·ft
5/16	6.1	54.1	6.5	57.7	10.2	90.2	10.9	96.2	15.7	139	16.8	149	22.2	16.4	23.7	17.5
									N·m	lb·ft	N·m	lb·ft				
3/8	10.5	93.6	11.5	102	17.6	156	19.2	170	27.3	20.1	29.7	21.9	38.5	28.4	41.9	30.9
					N·m	lb·ft	N·m	lb·ft								
7/16	16.7	148	18.4	163	27.8	20.5	30.6	22.6	43	31.7	47.3	34.9	60.6	44.7	66.8	49.3
	N·m	lb·ft	N·m	lb·ft												
1/2	25.9	19.1	28.2	20.8	43.1	31.8	47	34.7	66.6	49.1	72.8	53.7	94	69.3	103	75.8
9/16	36.7	27.1	40.5	29.9	61.1	45.1	67.5	49.8	94.6	69.8	104	77	134	98.5	148	109
5/8	51	37.6	55.9	41.2	85	62.7	93.1	68.7	131	96.9	144	106	186	137	203	150
3/4	89.5	66	98	72.3	149	110	164	121	230	170	252	186	325	240	357	263
7/8	144	106	157	116	144	106	157	116	370	273	405	299	522	385	572	422
1	216	159	236	174	216	159	236	174	556	410	609	449	785	579	860	634
1-1/8	305	225	335	247	305	225	335	247	685	505	751	554	1110	819	1218	898
1-1/4	427	315	469	346	427	315	469	346	957	706	1051	775	1552	1145	1703	1256
1-3/8	564	416	618	456	564	416	618	456	1264	932	1386	1022	2050	1512	2248	1658
1-1/2	743	548	815	601	743	548	815	601	1665	1228	1826	1347	2699	1991	2962	2185

The nominal torque values listed are for general use only with the assumed wrenching accuracy of 20%, such as a manual torque wrench.
DO NOT use these values if a different torque value or tightening procedure is given for a specific application.
For lock nuts, stainless steel fasteners, or nuts on U-bolts, see the tightening instructions for the specific application.

Replace fasteners with the same or higher property class. If higher property class fasteners are used, tighten these to the strength of the original.
Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

- Make sure that fastener threads are clean.
- Apply a thin coat of Hy-Gard™ or equivalent oil under the head and on the threads of the fastener, as shown in the following image.
- Be conservative with the amount of oil to reduce the potential for hydraulic lockup in blind holes because of excessive oil.
- Properly start thread engagement.

TS1741 —UN—22MAY18



Lubricant Locations

[a] *Grade 1 applies for hex cap screws over 6 in (152 mm) long, and for all other types of bolts and screws of any length.*
[b] *Grade 2 applies for hex cap screws (not hex bolts) up to 6 in (152 mm) long.*
[c] *Hex head column values are valid for ISO 4014 and ISO 4017 hex head, ISO 4162 hex socket head, and ISO 4032 hex nuts.*

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OUT3035,TORQUE1 -19-26JUN18-1/2

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4. Install pressure test equipment (1—6) and connect to track roller.
5. Slowly pressurize track roller to specification.

Specification

Track Roller —Pressure..... 82—138 kPa
0.8—1.4 bar
12—20 psi

6. Close valve. Wait for 30 seconds. Check for oil leaks or pressure decrease.
7. If leakage is found, disassemble roller and replace parts as necessary. See Track Roller Disassemble and Assemble. (Group 0130.)
8. Fill track roller to specification.

Specification

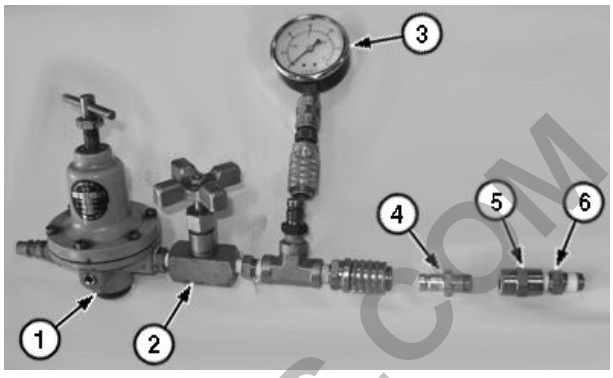
Track Roller (engine oil SAE 30)—Capacity (approximate)..... 260 mL
8.8 oz

9. Apply Loctite® Kleen 'N Prime™ Primer and Loctite® 592™ PST® Thread Sealant (slow cure) to threads of oil plug and install oil plug. Tighten oil plug to specification.

Specification

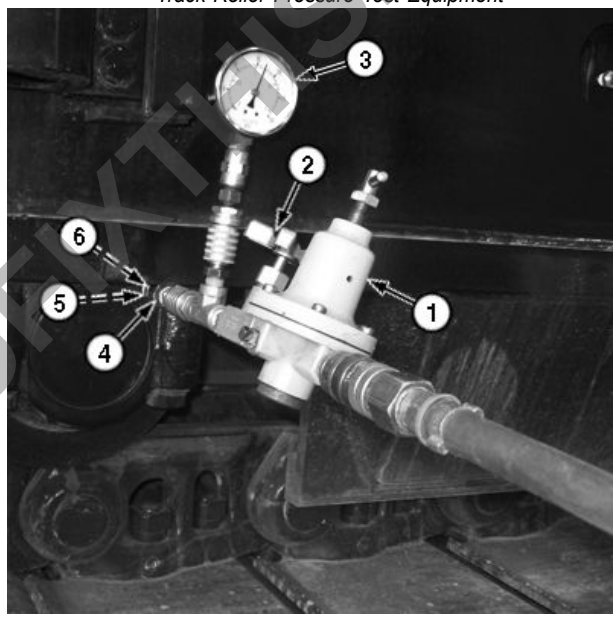
Oil Plug—Torque.....30 N·m
22 lb·ft

1— Air Pressure Regulator
2— Needle Valve
3— Pressure Gauge
4— 1/4-in Coupler Fitting
5— 1/4-in Pipe Adapter
6— 1/4-in Fitting Adapter



TX1094904A —UN—21JUL11

Track Roller Pressure Test Equipment



TX1094902A —UN—25JUL11

Tack Roller With Pressure Test Equipment

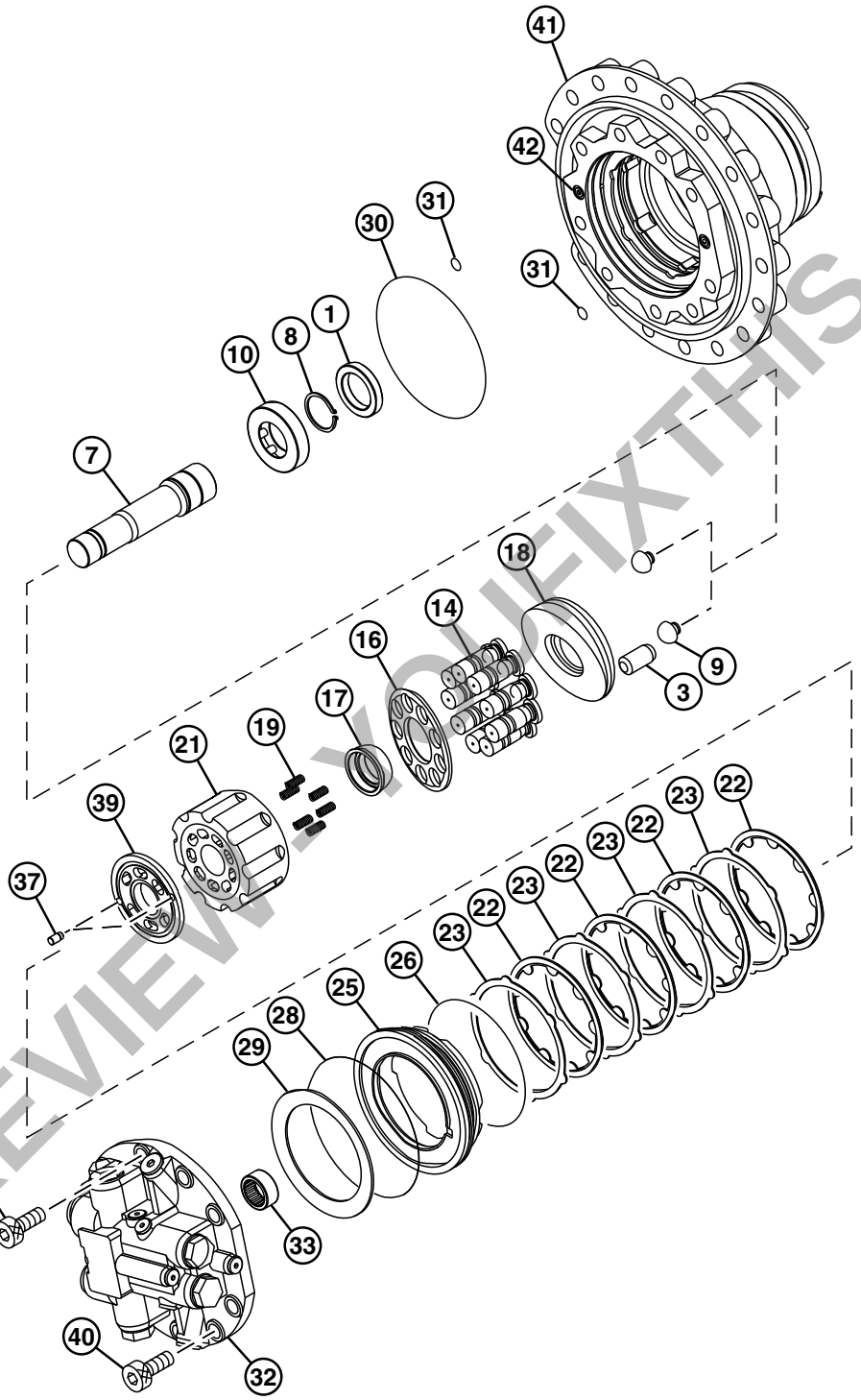
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Travel Motor and Park Brake Disassemble and Assemble



TX1113026 —UN—08JUN12

TX1113026

Travel Motor

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Recognize Safety Information

This is the safety alert symbol. When you see this symbol on your machine or in this manual, be alert for the potential of personal injury.

Follow the precautions and safe operating practices highlighted by this symbol.

A signal word — DANGER, WARNING, or CAUTION — is used with the safety alert symbol. DANGER identifies the most serious hazards.

On your machine, DANGER signs are red in color, WARNING signs are orange, and CAUTION signs are yellow. DANGER and WARNING signs are located near specific hazards. General precautions are on CAUTION labels.



T133555 —UN—15APR13

T133588 —19—28AUG00

TX,RECOGNIZE -19-28JUN10-1/1

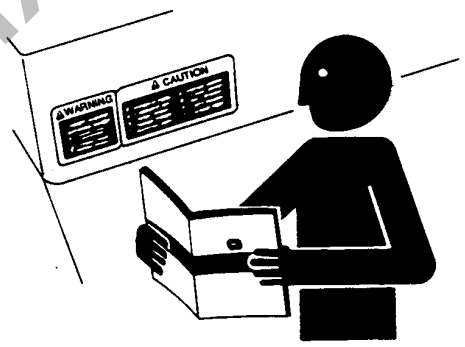
Follow Safety Instructions

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Use this operator's manual for correct safety sign placement. Be sure that new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine could impair the function or safety and affect machine life.



TS201 —UN—15APR13

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.

TX,FOLLOW -19-20JAN11-1/1

Operate Only If Qualified

Do not operate this machine unless the operator's manual has been read carefully, and you have been qualified by supervised training and instruction.

Operator should be familiar with the job site and surroundings before operating. Try all controls and machine functions with the machine in an open area before starting to work.

Know and observe all safety rules that may apply to every work situation and work site.

TX,QUALIFIED -19-18JAN11-1/1

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The PIN identifies the producing factory, machine model number, machine option, year of manufacture, engine emission level, and machine serial number.

The following is an example for a machine that meets Final Tier 4 and Stage IV emission levels:

17-Character PIN Example																
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
1	F	F	1	6	0	G	X	_	_	F	0	5	5	6	7	1

- **(1—3) World Code:** Identifies location where machine is manufactured.

1FF ..... **World Code** (manufacturing location)
- 1DW ..... Davenport Works
- 1T8 ..... Thibodaux Works
- 1T0 ..... Dubuque Works
- 1FF ..... Deere—Hitachi (Kernersville, NC, USA)
- 1F9 ..... Deere—Hitachi (Indaiatuba, São Paulo, Brazil)

- **(4—8) Machine Model Identifier:** Identifies model number.

160G ..... **Machine Model Identifier**

NOTE: Characters 7—8 identify series and major machine configuration options. These characters will change from one machine to another.

X ..... **Machine Option Code**
- X ..... Base Machine
- R ..... HYEX Military Excavators

- **(9) Check Letter:** This is a random character assigned by the factory. This is not used in machine identification.

_ ..... **Check Letter** (variable)

- **(10) Manufacturing Year Code:** Identifies year of machine manufacture.

_ ..... **Manufacturing Year Code** (variable)
- D 2013
- E 2014
- F 2015
- G 2016
- H 2017
- I 2018

- **(11) Engine Emission Code:** Represents engine emission certification.

F ..... **Engine Emission Code**
- C ..... Tier 2 and Stage II
- D ..... Tier 3 and Stage III A
- E ..... Interim Tier 4 and Stage III B
- F ..... Final Tier 4 and Stage IV
- G ..... Interim Tier 4 and Stage III A (19-56 kW)
- H ..... Final Tier 4 and Stage III A (19-37 kW)
- J ..... Final Tier 4 and Stage III B (37-56 kW)
- K ..... Final Tier 4 (8-19 kW)

- **(12—17) Machine Serial Number:** Identifies machine serial number. This character will change from one machine to another.

055671 ..... **Machine Serial Number**

KR46761,0000F3D -19-18DEC17-2/2

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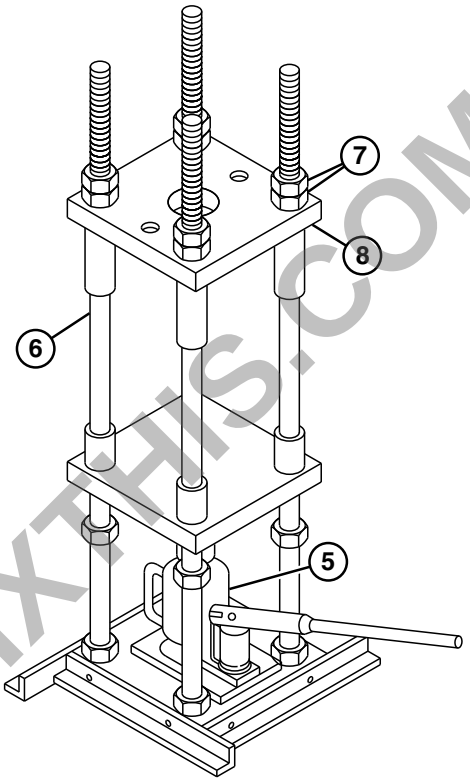
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5. Place 20-ton hydraulic jack (5) on bottom of ST4920 Track Recoil Spring Disassembly and Assembly Tool (6). See ST4920 Track Recoil Spring Disassembly and Assembly Tool. (Group 9900.)
6. Remove nuts (7) and top plate (8).
7. Extend 20-ton hydraulic jack ram to provide enough travel to release spring.

Specification

Recoil Spring—Compressed Length	490 mm 19.3 in
Recoil Spring—Free Length	606 mm 23.9 in

5— 20-Ton Hydraulic Jack
6— ST4920 Track Recoil Spring Disassembly and Assembly Tool
7— Nut (8 used)
8— Top Plate



TX1123089 —UN—25SEP12

Track Recoil Spring Tool

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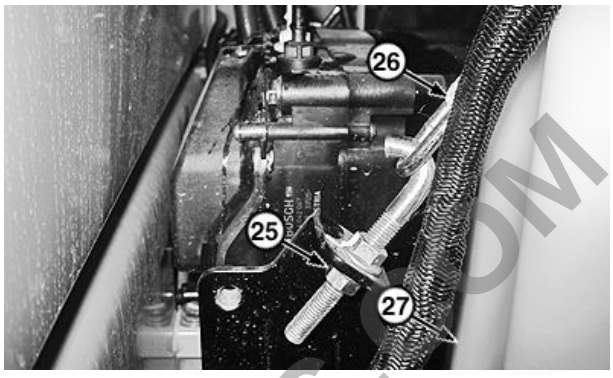
15. Loosen nuts (25) and disconnect straps (26). Remove DEF tank (27).
16. Repair or replace parts as necessary.
17. Install DEF tank. Connect straps and tighten nuts.
18. Install DEF tank bracket (13) and cap screws (14).
19. **For Machines With (S.N. —056599) Only:**
    a. Connect coolant outlet line (15) and coolant inlet line (18).
    b. Connect diesel exhaust fluid (DEF) return line (16) and diesel exhaust fluid (DEF) supply line (17). For more information, DEF Dosing System Lines — Installation. (CTM120119.)
    c. Connect vent line (19).
    d. Connect electrical connector.
20. **For Machines With (S.N. 056600—) Only:**
    a. Connect coolant outlet line (22) and coolant inlet line (21).
    b. Connect diesel exhaust fluid (DEF) return line (23) and diesel exhaust fluid (DEF) supply line (20).
    c. Connect vent line (24).
    d. Connect electrical connectors.

CAUTION: Avoid possible crushing injury from heavy component. Use appropriate lifting device.

21. Using appropriate lifting device, install DEF tank cover and cap screws (11).

Specification	
Diesel Exhaust Fluid (DEF) Tank Cover—Weight (approximate)	34 kg 75 lb

22. Install filler cap, cap screw (8), and deflector.
23. Connect work light.
24. Install cap screws (7).



TX1245278A —UN—04OCT17

DEF Tank Mount

25— Nut (2 used)
26— Strap (2 used)
27— Diesel Exhaust Fluid (DEF) Tank

CAUTION: Avoid possible crushing injury from heavy component. Use appropriate lifting device.

25. Using appropriate lifting device, install toolbox and cap screws (5).

Specification	
Toolbox—Weight (approximate)	32 kg 71 lb

26. Install side cover and cap screws (3).
27. Install top cover and cap screws (1).
28. Fill DEF tank.

Specification	
Diesel Exhaust Fluid (DEF) Tank—Capacity (S.N. —056599)	26.7 L 7.1 gal
Diesel Exhaust Fluid (DEF) Tank—Capacity (S.N. 056600—)	24.6 L 6.5 gal

29. Operate machine and check for leaks.

TW62213,0000495 -19-31OCT17-9/9

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6. Dispose of cooling system cleaner properly.

Evaporator Flush and Purge

1. Add TY25601 Cooling System Cleaner and connect JT02075 Air Conditioner Flusher outlet hose to inlet end of evaporator inlet line using appropriate adapter.
2. Attach hose and aerator nozzle to compressor inlet line using appropriate adapter. Put nozzle in container to collect cooling system cleaner.
3. Open air valve to force cooling system cleaner into condenser circuit. Air pressure must be at least to specification for flushing and purging.

Specification	
Air Pressure—Minimum Pressure (for flushing and purging)	620 kPa 6.2 bar 90 psi

NOTE: Purging condenser circuit takes 10—12 minutes to thoroughly remove solvent.

Additional flushing cycles are required if system is heavily contaminated with burned oil or metal particles.

4. Disconnect hose from aeration nozzle to check circuit for cooling system cleaner. Hold hose close to piece of cardboard; continue purging until cardboard is dry.
5. Dispose of cooling system cleaner properly.

Procedure Wrap-Up

1. Install new receiver-dryer. See Receiver-Dryer Remove and Install. (Group 1830.)
2. Add required oil. See R134a Refrigerant Oil Information. (Group 1830.)
3. Install air conditioner compressor. See Air Conditioner Compressor Remove and Install. (Group 1830.)
4. Charge system. See Charge R134a System. (Group 1830.)

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Fan Drive Pump Remove and Install

SPECIFICATIONS	
Hydraulic Oil Tank Capacity	125 L 33 gal

1. Park and prepare machine for service safely. See Park and Prepare for Service Safely. (Group 0001.)

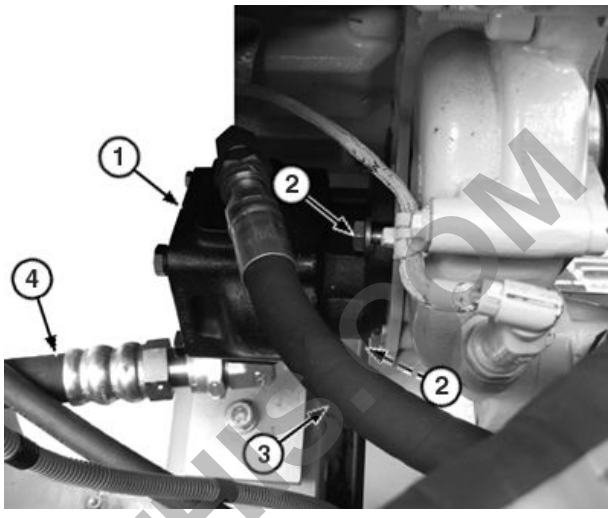
CAUTION: Avoid personal injury from high-pressure fluid. High-pressure release of oil from pressurized system can cause serious burns or penetrating injury. Relieve pressure from hydraulic system before servicing.

2. Release hydraulic oil tank pressure by pressing pressure release button at top of hydraulic oil tank. See Hydraulic Oil Tank Pressure Release Procedure. (Group 9025-25.)
3. Apply vacuum or drain hydraulic oil tank. See Apply Vacuum to Hydraulic Oil Tank. (Group 3360.) See Drain and Refill Hydraulic Tank Oil. (Operator's Manual.)

Specification

Hydraulic Oil Tank—Capacity..... 125 L
33 gal

4. Install identification tags and disconnect hoses (3 and 4). Close all openings using caps and plugs.
5. Remove cap screws (2) and fan drive pump (1).
6. Inspect and replace parts as necessary.
7. Install fan drive pump and cap screws.
8. Connect hoses.



TX1113398A —UN—07MAY12

Fan Drive Pump

1— Fan Drive Pump
2— Cap Screw (2 used)
3— Pressure Hose
4— Suction Hose

9. Remove vacuum or fill hydraulic oil tank. See Apply Vacuum to Hydraulic Oil Tank (Group 3360.) See Drain and Refill Hydraulic Tank Oil. (Operator's Manual.)

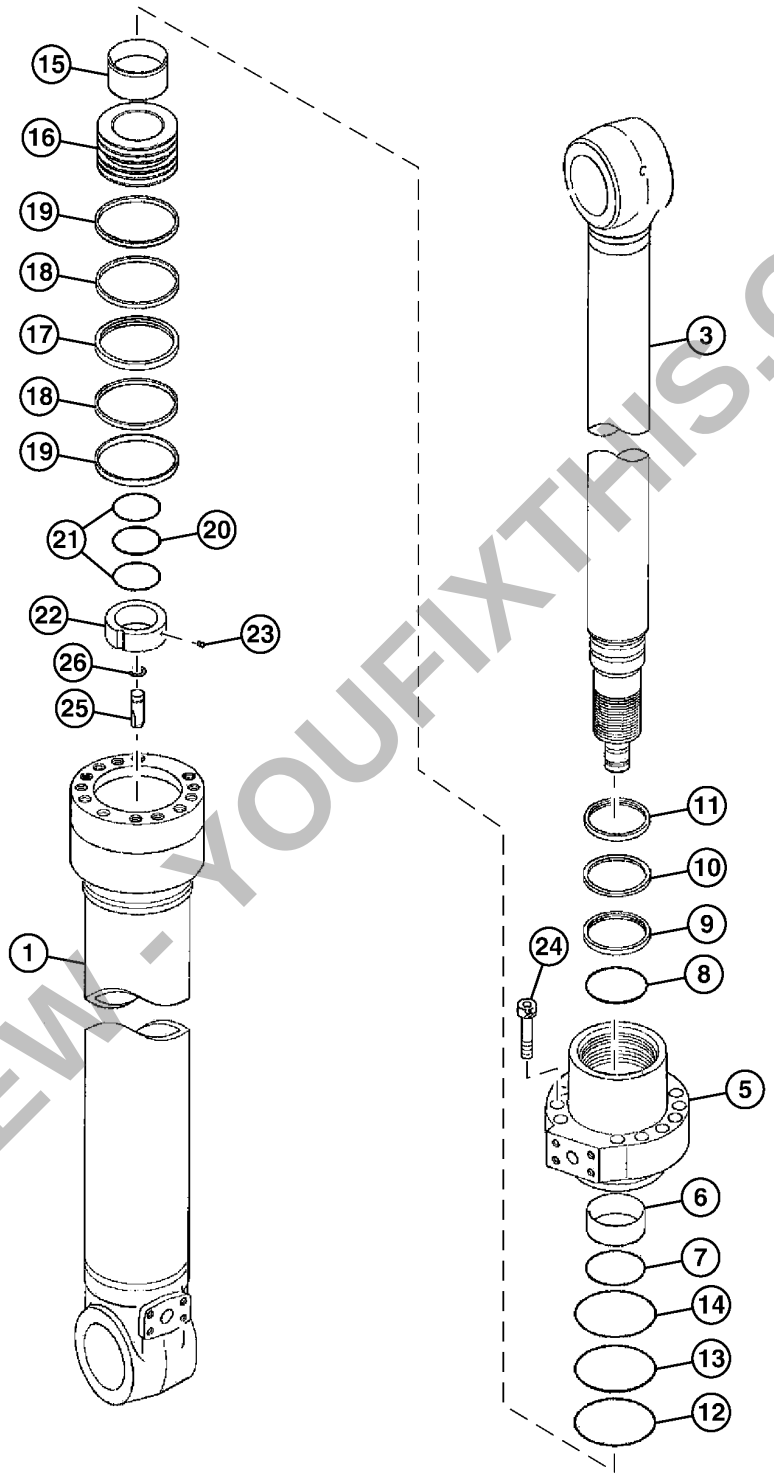
IMPORTANT: Hydraulic pump will be damaged if not filled with oil before starting. Procedure must be performed to fill pump housing whenever oil has been drained from the pump or hydraulic oil tank.

10. Perform pump 1 and 2 start-up procedure. See Pump 1 and 2 Start-Up Procedure. (Group 3360.)

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TX1134521

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Arm Cylinder Components

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