

Main Landing Gear Torque Links - Disassembly procedures

Job code	754343D
Summary	Disassembly of Torque links on Main Landing Gear
Work type	Disassembly
Role	Maintenance disassembly
Expected time	42 min
Work cell	6
Previous job	754340D
Next job	75345D
Work order	
Revision	1.3 B

PREREQUISITES

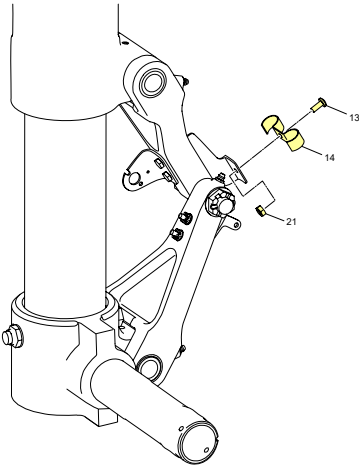
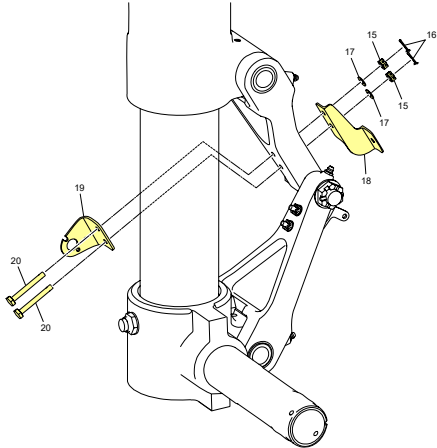
Safety Gear should be worn at all times.

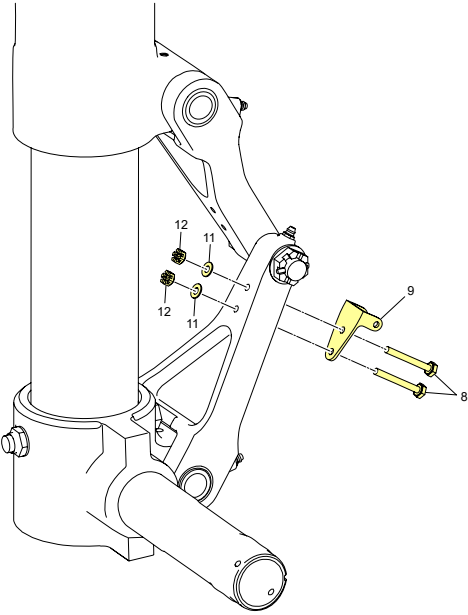
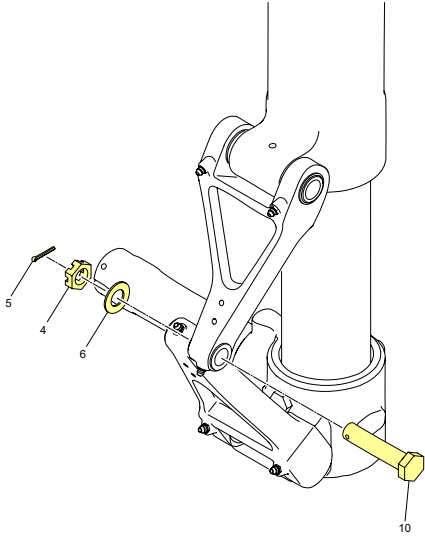
Procedure is the same for left and right landing gear struts.

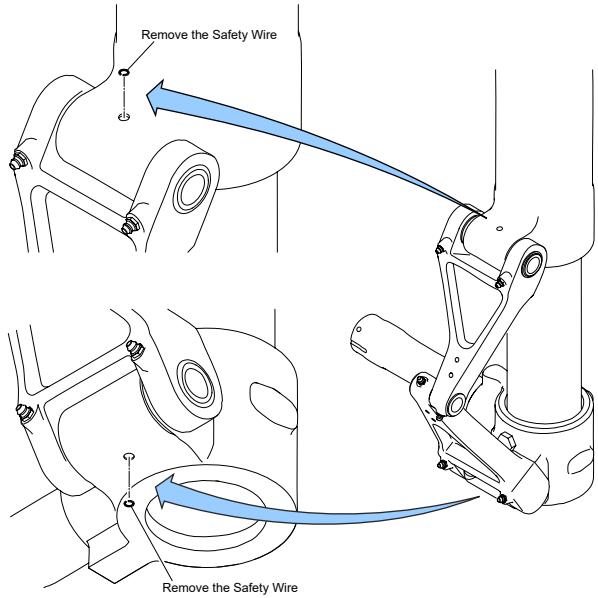
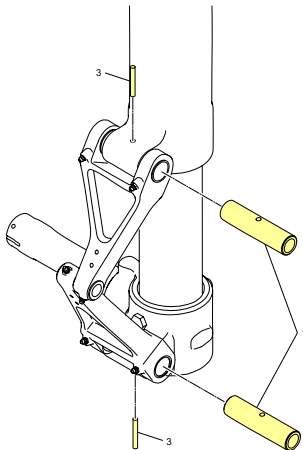
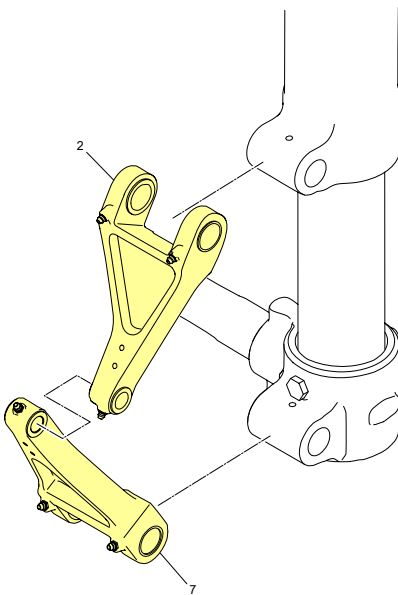
PARTS LIST

Part number/ Alternative part number	Description	Quantity
nut_21	nut	1
standoff_bracket_18	standoff bracket	1
nut_4	nut	1
bolt_10	bolt	1
washer_6	washer	1
screw_13	screw	1
nuts_15	nuts	2
washers_17	washers	2
bolts_20	bolts	2
cotter_pins_16	cotter pins	2
cotter_pin_5	cotter pin	1
strut	strut	1
lower_torque_link_7	lower torque link	1
torque_link_bushings	torque link bushings	2
spring_pin_3	spring pin	2
upper_torque_link_2	upper torque link	1
switch_bracket_19	switch bracket	1
clamp_14	clamp	1
switch_terminal_bracket_9	switch terminal bracket	1
bolts_8	bolts	2
washers_11	washers	2
nuts_12	nuts	2
link_pin_1	link pin	2
wheel_assy	wheel assy	1
safety_wire	safety wire	2

JOB

№	Task	Illustration
1	Prerequisites. <div style="border: 2px solid blue; padding: 10px; margin-top: 10px;"> NOTE Procedures for the right and left components are the same. Only the procedures for the left are given. </div>	
2	Remove the wheel assy.	
3	Remove the screw (13) , clamp (14) and nut (21) from the upper torque link (2) standoff bracket (18) .	 <p>The diagram shows a side view of the upper torque link assembly. A screw (13) is shown being removed from the clamp (14), which is attached to the nut (21) on the upper torque link (2). The standoff bracket (18) is also visible.</p>
4	Remove the cotter pins (16) , nuts (15) , washers (17) , bolts (20) , standoff bracket (18) and switch bracket (19) from the upper torque link (2) .	 <p>The diagram shows a side view of the upper torque link assembly. A cotter pin (16) is shown being removed from the nut (15). Washers (17) and bolts (20) are also shown. The standoff bracket (18) and switch bracket (19) are also visible.</p>

№	Task	Illustration
5	Remove the nuts (12) , washers (11) , bolts (8) and the switch terminal bracket (9) from the lower torque link (7) .	 A technical line drawing of a mechanical assembly, specifically the lower torque link. The drawing shows a vertical shaft on the left connected to a horizontal link. Various fasteners are labeled with numbers: 8 points to a bolt on the right, 9 points to a bracket, 11 points to a washer, and 12 points to a nut. The components are shown in a disassembled or partially disassembled state to illustrate the removal process.
6	Remove the cotter pin (5) , nut (4) , washer (6) and bolt (10) from the torque links (2 and 7) .	 A technical line drawing of a mechanical assembly, showing a different view of the torque link. The drawing illustrates the removal of a cotter pin (5), a nut (4), a washer (6), and a bolt (10). The components are shown in a disassembled or partially disassembled state to illustrate the removal process.

№	Task	Illustration
7	Remove the safety wires from the upper and lower slotted spring pins (3) . Remove the spring pins (3) .	
8	Remove link pins (1) from the upper (2) and lower (7) torque links.	
9	Remove the upper torque link (2) and lower torque link (7) from the strut and axle .	

№	Task	Illustration
10	Inspect the strut , pins and torque link bushings for damage.	