

CLOCKWORK COMPONENTS

G30

Wood-to-the-Floor Mechanism



Manual



Power

European-inspired styling.

G-30 is a three-way push-on-the-arm recliner mechanism engineered with a clean profile linkage. It has a rigid, dependable frame construction with steel chassis and includes smooth operation for opening and closing.



High-Leg



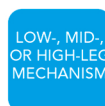
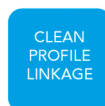
Mid-Leg



Low-Leg



Single



SEAT CUSHION WIDTH
REFERENCE CHART

INCHES	METRIC
20	508
22	558
23 1/2	596
25	635



Arm-mounting chassis – available
in all sizes listed above.



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Test Report

Test Date	Test Report No.	Test Performed by	Title/ Part No.	Starting Date	Completion Date
2019/01/23	LPCN19011-01	Alice Chen Yao	G30 Life Cycle Test (25,000-Cycle, 300 lbs)	2019/01/09	2019/01/22
To	Gavin Gou, Rita Ma, Antoflow Pan and Jari chen				
From	China Furniture Hardware Division Testing Centre				

Purpose/History:

To evaluate the performance and durability of the mechanism of G30 Electric (2072), we conducted a life cycle test on the sample of G30 Electric (2072). Leggett and Platt Test Procedure, "25,000-Cycle, 300 lbs load Recline Life Test" was used for this test.

Set up/Procedures:

1. To install the 300 lbs sample onto testing setup ;
2. To place the 300 lbs load onto it as per Leggett and Platt Test Procedure, see below weight distribution:

Load Position	Back	Seat	Footrest
Weight	30.5Kg(67.2Lbs)	90.7Kg(199.8Lbs)	15Kg(33Lbs)
Distribution Percentage	22.4%	66.6%	11.0%

3. To record the cycles by the counter that at full recliner position.

Data:

Data recorded throughout the tested resulted in an extended-footrest drop (from wear) of 0.11"(2.9mm), and a reclined-back droop (from wear) of 0.24"(6.0mm); but both within acceptable limits.

Results:

This mechanism completed the 25,000-cycle life test without abnormal noises, wear or any loss of function. See the sample after test from the below Picture 1.



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Conclusion:

Per this procedure, the G30 Electric (2072) mechanism passed the "25,000-cycle ,300 lbs" life test as per the Leggett & Platt Test Standard.

Pictures:



Picture 1: Sample after Test

Other Remarks:



L&P FURNITURE HARDWARE DIVISION
TESTING LAB

TEST REPORT
G30 1st PRODUCTION RUN
25,000 CYCLE LIFE TEST

TO: Greg Lawson, Steve Lake, Gary Masters
From: Jason Bryant
CC: Rusty Yamnitz
Date: 6/17/10

1. PURPOSE/ HISTORY: A normal-operation life-cycle test was performed on a G30 production sample assembled 5/10/10. The test was conducted in an upholstered chair, through 25,000 cycles of full frontend and back movement, with a human load of 250 pounds and an additional 100 pounds of weight to the seat.
2. SETUP/ PROCEDURE: Leggett and Platt Test Procedure No. A-1, "25,000 Recline Life Test", was used for this test.
3. RESULTS: Data recorded throughout the test showed a footrest rise (from wear) of 3/16", and a reclined back drop (from wear) of 3/4", both within acceptable limits. Upon completion of the test, there was minimal debris under the mechanism. The mechanism felt smooth and had no unusual wear or noise in any links or rivet joints at completion of the test.
4. CONCLUSION: Per this test, the G30 mechanism completed the 25,000 life cycle test with 28,536 cycles, without any problems or loss of performance.