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INSTRUCTIONS
for
CONTINUED AIRWORTHINESS
for
AUTOMATIC DOOR OPENERS

P/N 206-510-055 (Crew kit for 206A & B)

P/N 206-510-179 (Crew kit for 206L, L-1, L-3, L-4)

P/N 206-510-061 (Passenger kit for 206A & B)

P/N 206-510-193 (Passenger kit for 206L, L-1, L-3, L-4)

P/N 206-510-213 (Baggage kit for aluminum door)

P/N 206-510-214 (Baggage kit for composite door)

for

Bell 206A, B, L, L-1, L-3, L-4 Model Helicopters

Report No. AA-00130

No Revision

October 12, 2000



LOG OF REVISIONS

REV.	DATE	DESCRIPTION	EFFECTED PAGES
-	10/12/00	Original Release.	All

LIST OF EFFECTIVE PAGES

LIST OF REVISIONS

No Revision (NR) October 12, 2000

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These Instructions for Continued Airworthiness (ICA), except
for the Airworthiness Limitation Section, have been reviewed
and found to comply with the applicable requirements of
Appendix A to the Federal Aviation Regulations Part 27

FAA Acceptance

Fort Worth Aircraft Evaluation Group

Date 12/01/00

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1.0 INTRODUCTION

These instructions contain the information necessary to inspect and maintain the **AERONAUTICAL ACCESSORIES, INC. AUTOMATIC DOOR OPENERS**, on Bell 206A, B, L, L-1, L-3, L-4 Model Helicopters.

1.1 DISTRIBUTION

These instructions are provided with each **AUTOMATIC DOOR OPENER KIT**. Any airworthiness or flight safety revisions will be immediately sent to all affected **AUTOMATIC DOOR OPENER KIT** owners.

2.0 DESCRIPTION

The **AERONAUTICAL ACCESSORIES, INC. AUTOMATIC DOOR OPENER** provide automatic cockpit, cabin and baggage door opening when the door latches are released. The gas cylinders are equipped with a feature which controls the rate of opening and prevents doors from traveling past normal open positions. Automatic Door Openers provide easy entrance and exit of crew and passengers and help prevent damage to doors and airframe due to rotorwash or sudden wind gusts. The Baggage Door Opener holds the baggage door open to facilitate the loading and unloading of luggage or cargo.

3.0 MAINTENANCE INSTRUCTIONS

3.1 INSPECTION

Once installed, the Automatic Door Opener are maintenance free and there are no periodic inspections requirements.

3.2 REPAIR

Repair actions are limited to Gas Cylinder Assembly and Ball Stud removal and replacement. (Refer to paragraph 5.0 for procedures).

4.0 TROUBLESHOOTING INFORMATION

For troubleshooting information refer to Table 1.

TABLE 1: TROUBLESHOOTING GUIDE (See Figures 1, 2, 3 and 4)

PROBLEM	PROBABLE CAUSE	REMEDY
Door does not open automatically.	Gas Cylinder Assembly has failed.	Contact Aeronautical Accessories, Inc. for replacement Gas Cylinder Assembly.
Door stuck in place.	Gas Cylinder Assembly has failed.	Contact Aeronautical Accessories, Inc. for replacement Gas Cylinder Assembly.
Gas Cylinder Assembly detaches from Ball Stud.	Safety Clip has failed.	Contact Aeronautical Accessories, Inc. for replacement Safety Clip.
	Gas Cylinder Assembly Ball Socket has failed.	Contact Aeronautical Accessories, Inc. for replacement Gas Cylinder Assembly.
	Ball Stud is worn or broken.	Contact Aeronautical Accessories, Inc. for replacement Ball Stud.

5.0 REMOVAL AND REPLACEMENT INFORMATION

(Refer to Tables 2 through 7 and Figures 1, 2, 3 and 4 for part identification.)

5.1 REMOVAL - GAS CYLINDER ASSEMBLY

1. Remove Gas Cylinder Assemblies by removing Safety Clips, then pull cylinder off of Ball Studs.

5.2 INSTALLATION - GAS CYLINDER ASSEMBLY

1. Install the Gas Cylinder Assemblies by snapping cylinder sockets onto ball studs and installing Safety Clips.

5.3 REMOVAL - BALL STUD

1. Remove Gas Cylinder Assemblies by removing Safety Clips, then pull cylinder off of Ball Studs.
2. Loosen and remove Ball Stud by turning counter-clockwise.

5.4 INSTALLATION - BALL STUD

1. Install Ball Stud by turning clockwise.

2. Install the Gas Cylinder Assemblies by snapping cylinder sockets onto ball studs and installing Safety Clips.

6.0 RECOMMENDED OVERHAUL PERIODS

No component overhaul required for this type design change.

7.0 AIRWORTHINESS LIMITATIONS

No airworthiness limitations associated with this type design change.

8.0 WEIGHT AND BALANCE

Weight Change: 1.2 lbs. (Crew - 206A & 206B)
1.2 lbs. (Crew - 206L, L-1, L-3, L-4)
1.2 lbs. (Passenger - 206A & 206B)
1.2 lbs. (Passenger - 206L, L-1, L-3, L-4)
1.0 lbs. (Baggage - 206A & 206B aluminum door)
0.9 lbs. (Baggage - 206 Series composite door)

Station: 43.6 (Crew)
80.7 (Passenger 206A & 206B)
106.7 (Passenger 206L, L-1, L-3, L-4)
155.0 (Baggage)

Lateral Arm: 0.0 (both sides)
-21.75 (Baggage)

9.0 REVISION

A Log Of Revision section is included in these instructions and will be utilized to document all changes. Change recommendations should be submitted to:

AERONAUTICAL ACCESSORIES INC.
P.O. Box 3689
Bristol, TN 37625-3689

10.0 PARTS BREAKDOWN

Tables 2 through 7 contains Parts Breakdown data for the **AUTOMATIC DOOR OPENERS** as illustrated in Figures 1, 2, 3 and 4.

TABLE 2: CREW DOOR OPENER KIT 206A & B (206-510-055)

INDEX No.	PART NUMBER	ITEM NAME	QTY -055
1	206-512-021	Door Doubler Assembly, L/H	1
2	206-512-022	Door Doubler Assembly, R/H	1
3	206-512-211	Sill Door Doubler Assembly	2
4	206-514-005	Ball Stud	4
5	206-513-219	Gas Cylinder Assembly	2
6	206-513-203	Safety Clip	8

TABLE 3: CREW DOOR OPENER KIT 206L, L-1, L-3, L-4 (206-510-179)

INDEX No.	PART NUMBER	ITEM NAME	QTY -179
3	206-512-211	Sill Door Bracket Assembly	2
7	206-515-113	Crew Door Doubler Assembly, L/H	1
8	206-515-114	Crew Door Doubler Assembly, R/H	1
4	206-514-005	Ball Stud	4
5	206-513-219	Gas Cylinder Assembly	2
6	206-513-203	Safety Clip	8

TABLE 4: PASSENGER DOOR OPENER KIT 206A & B (206-510-061)

INDEX No.	PART NUMBER	ITEM NAME	QTY -061
9	206-512-233	Aft Sill Doubler Assembly	2
10	206-512-021	Door Doubler Assembly, L/H	1
11	206-512-022	Door Doubler Assembly, R/H	1
4	206-514-005	Ball Stud	4
5	206-513-219	Gas Cylinder Assembly	2
6	206-513-203	Safety Clip	8

TABLE 5: PASSENGER DOOR OPENER KIT 206L, L-1, L-3, L-4 (206-510-193)

INDEX No.	PART NUMBER	ITEM NAME	QTY -193
9	206-512-233	Aft Sill Doubler Assembly	2
12	206-512-137	LWR Litter Door Bracket Assembly	1
13	206-515-135	Passenger Door Doubler Assembly, L/H	1
14	206-515-136	Passenger Door Doubler Assembly, R/H	1
4	206-514-005	Ball Stud	3
5	206-513-219	Gas Cylinder Assembly	2
6	206-513-203	Safety Clip	8

TABLE 6: BAGGAGE DOOR OPENER KIT, Aluminum Door (206-510-213)

INDEX No.	PART NUMBER	ITEM NAME	QTY -213
15	206-517-102	Doubler Assembly	1
16	206-517-103	Doubler Assembly	1
17	206-514-211	Gas Cylinder Assembly	1
6	206-513-203	Safety Clip	4

TABLE 7: BAGGAGE DOOR OPENER KIT, Composite Door (206-510-214)

INDEX No.	PART NUMBER	ITEM NAME	QTY -214
18	206-517-101	Doubler Assembly	1
15	206-517-102	Doubler Assembly	1
17	206-514-211	Gas Cylinder Assembly	1
6	206-513-203	Safety Clip	4

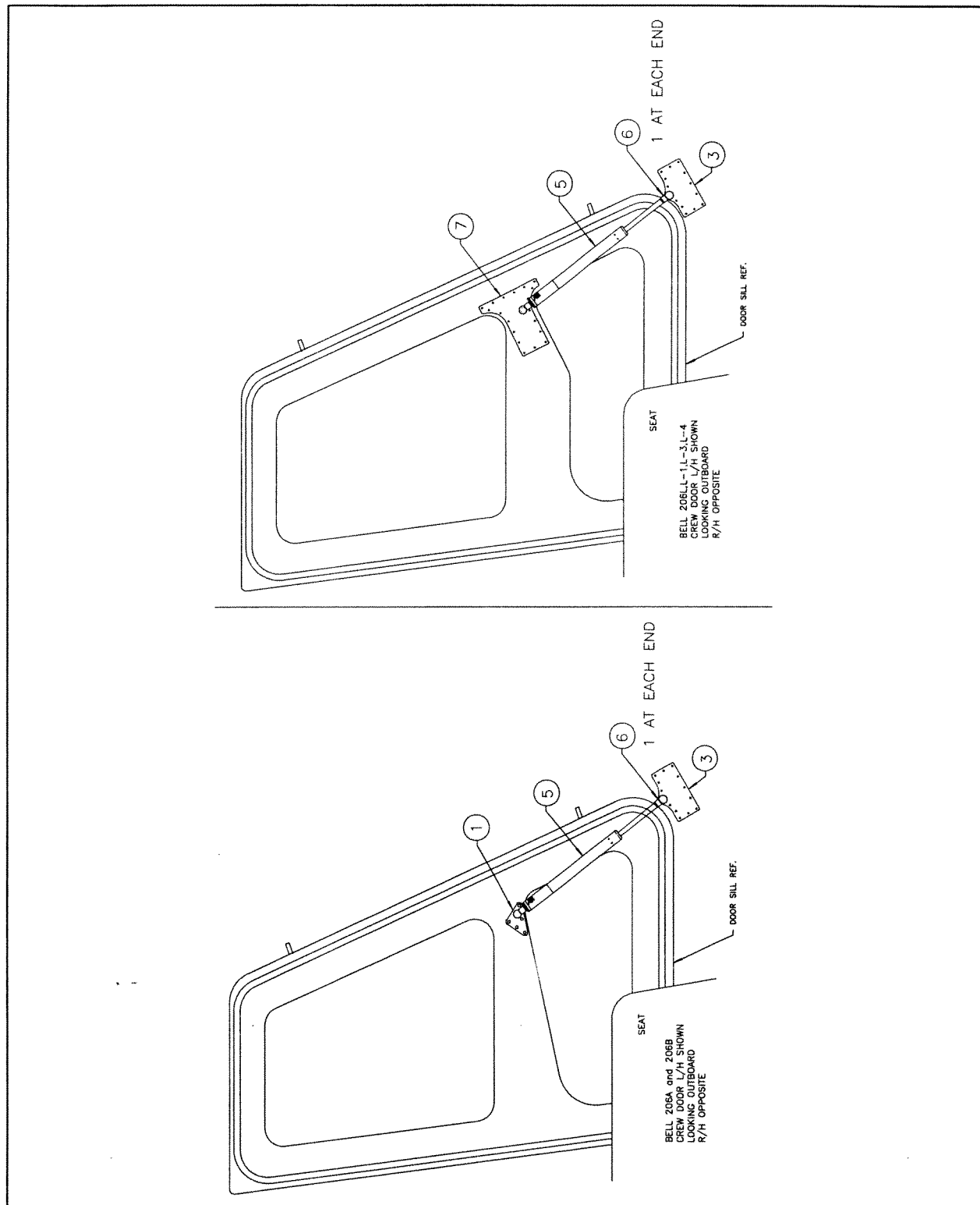


Figure 1
CREW DOOR OPENERS

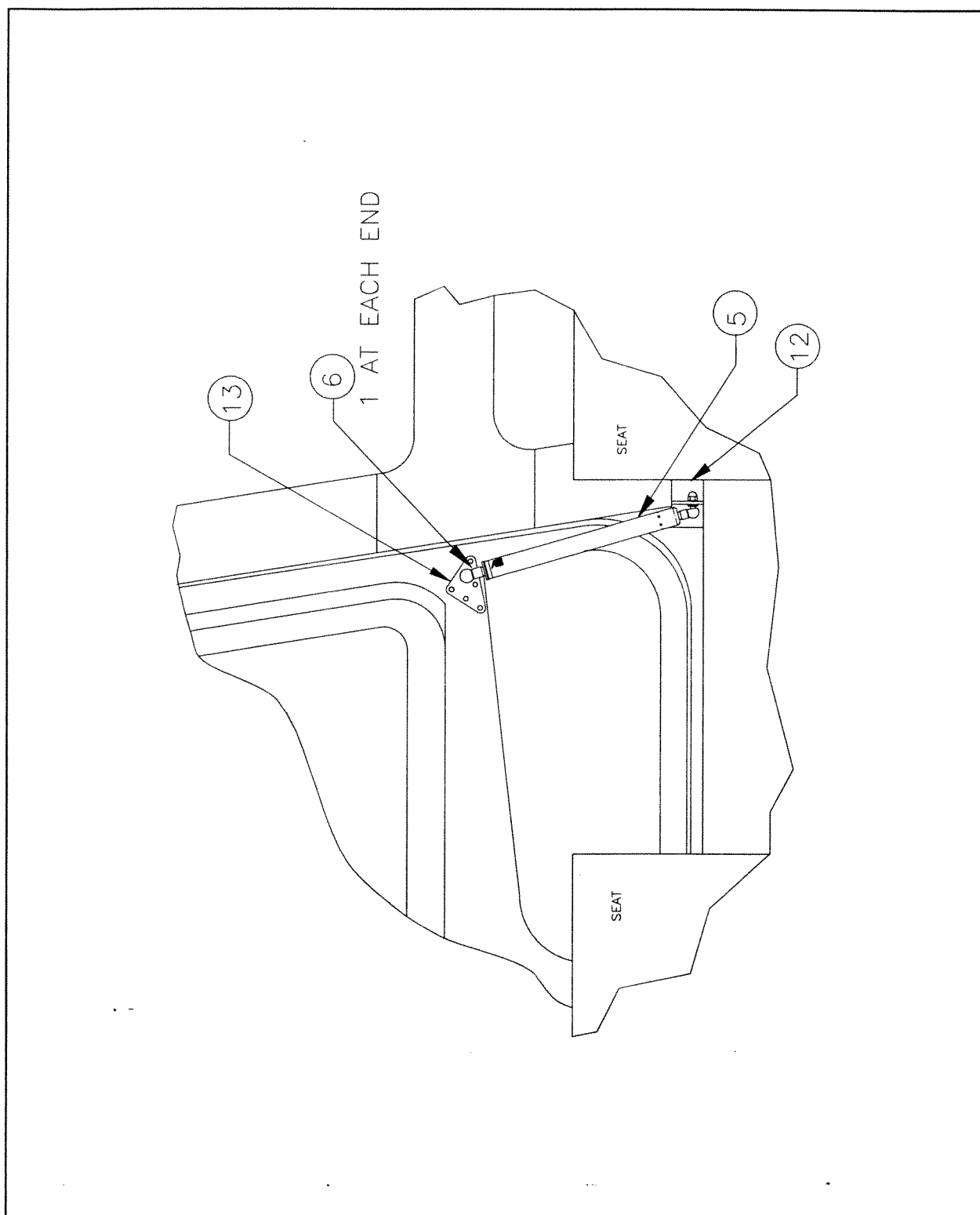


Figure 2
PASSENGER DOOR OPENERS 206A & B
(L/H shown R/H opposite)

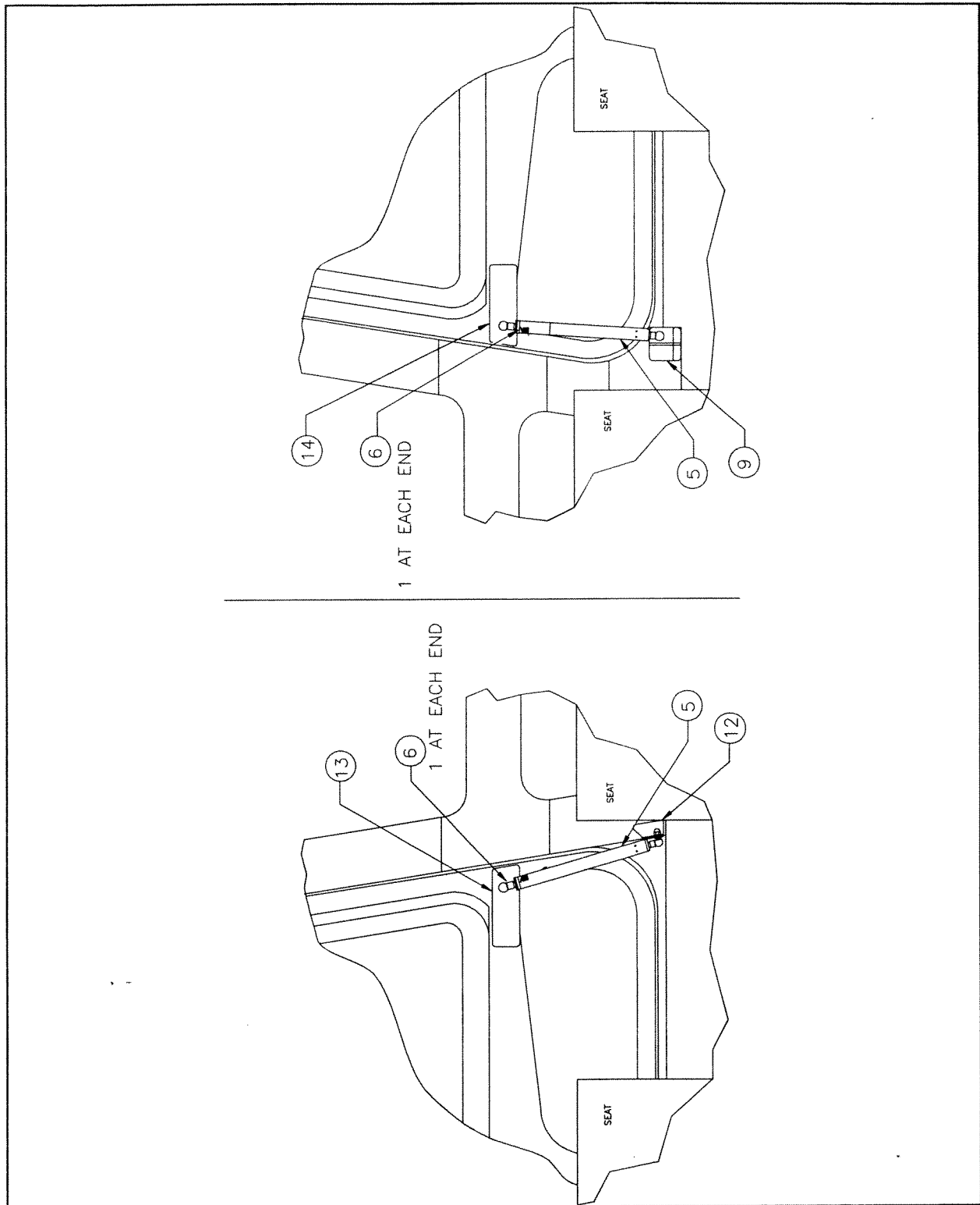


Figure 3
PASSENGER DOOR OPENERS 206L, L-1, L-3, L-4

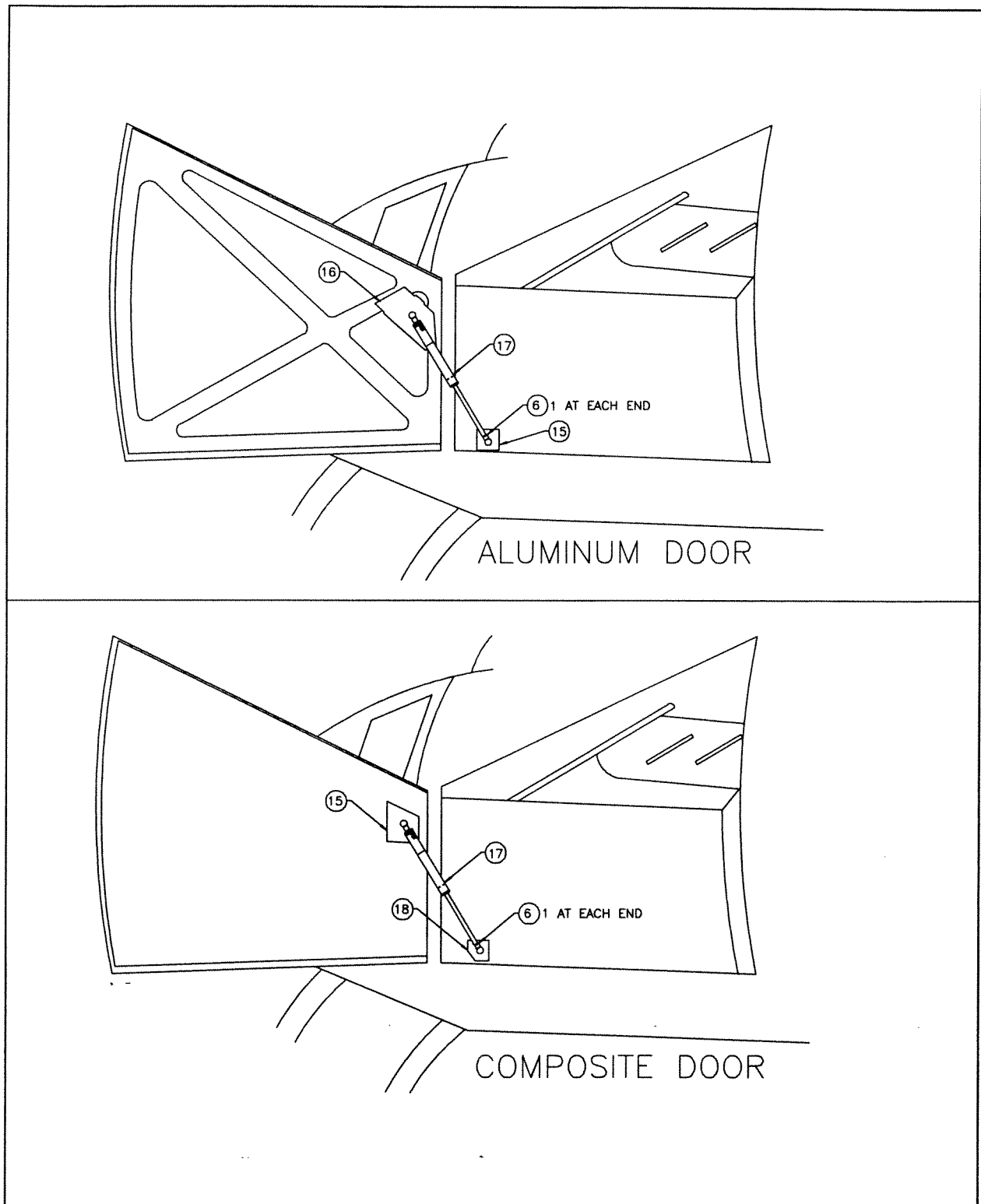


Figure 4
BAGGAGE DOOR OPENERS