

THE CHAMBERLAIN GROUP, INC.  
A Unit of Duchossois Industries, Inc.  
845 Larch Ave., Elmhurst, Ill. 60126

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# Lift-Master

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The Professional Line

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## Owners Manual

Garage Door Opener



**ALL MODELS IN ARE BOLD ARE DELUXE (2 LIGHTS)**

### MODEL

### NUMBERS

**1060**

**1060-9**

**1060-6**

**1060JG**

**1050**

**1050-9**

**1050-6**

**1050SM**

1055

1055-9

1055-6

1045

1045-9

1045-6

1045JG

1056

1056-9

1056-6

100

1046

1046-9

1046-6

200

1040

1040-9

1040-6

**300**

**1060-253**

6000 MONARCH

1040SM

1055-253

**8000 MONARCH**

## FEATURES OF YOUR OPENER

1. **Opener Lights:** Turn on and off automatically with 4-1/2 minute illumination for your safety and convenience. Provide constant LIGHT when Light Switch is ON.
2. **Safety System:** Independent up and down force adjustment. The door REVERSES automatically when obstructed in DOWN direction. The door STOPS when obstructed in UP direction.
3. **Emergency Disconnect:** Pull cord disconnect permits manual door operation.
4. **Automatic Reconnect:** Trolley halves reconnect for automatic operation when opener is energized after emergency disconnect.
5. **Motor Power:** Permanently lubricated motor with automatic reset.
6. **Digital Radio Controls:** Codes can be easily changed by the owner.
7. **Easy Limit Adjustment:** Limits of door opening and closing adjusted by turning screws without removing chassis cover.
8. **Lock Switch:** Prevents operation of opener from transmitter. When LOCK Switch is ON, the opener can be operated in the UP direction ONLY, from the Wall Control or optional Key Switch and Keyless Entry accessories, (See below).

## SPECIFICATIONS

### MOTOR

Type .....	Permanent split capacitor
Speed.....	1500 rpm
Volts.....	120 Volts AC - 60 Hz. Only
Current.....	4.5 amperes

### DRIVE MECHANISM

Gears .....	16:1 worm gear reduction
Drive.....	Roller chain with two-piece trolley on steel Tee-rail.
Length of travel.....	Adjustable to 7 1/2 feet
Travel rate .....	6 to 8 inches per second
Lamp .....	On when door starts to travel, off 4 1/2 minutes after stop. Also separate LIGHT Switch.
Door linkage .....	Adjustable door arm. Pull cord trolley release.

### SAFETY

Personal.....	Push button and automatic reversal in down direction. Push button and Automatic stop in UP direction.
Electronic.....	Independent UP and DOWN force adjustment screws.
Electrical .....	Motor overload protector & low voltage push button wiring.
Limit device.....	Circuit actuated by limit nut
Limit Adjustment.....	Screwdriver adjustment on side panel
Start circuit .....	Low voltage push button or radio control.

### DIMENSIONS

Length (overall) .....	128 inches
Headroom required.....	2 inches
Hanging weight.....	32 pounds

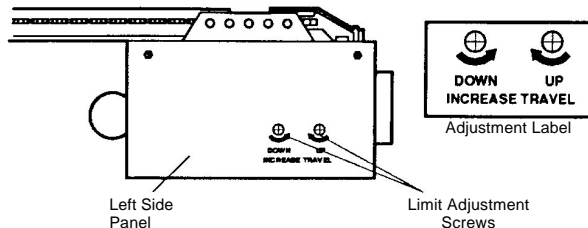
# Adjustment

## STEP 1 *Adjust UP and DOWN Limits*

LIMIT ADJUSTMENT settings regulate the points at which the door will stop when moving up or down.

**NOTE:** Door **STOPS** in the **UP** direction if anything interferes with door travel. Door **REVERSES** in the **DOWN** direction if anything interferes with the door travel (including binding or unbalanced doors).

**PROCEDURE:** To operate opener, press wall push button. Run the opener through a **COMPLETE TRAVEL CYCLE**. Limit adjustments are not necessary when the door opens and closes completely and doesn't reverse unintentionally in the fully closed position.



**The following chart outlines adjustment procedures. Run the opener through a COMPLETE TRAVEL CYCLE AFTER EACH ADJUSTMENT. NOTE: REPEATED OPERATION OF THE OPENER DURING ADJUSTMENT PROCEDURES MAY CAUSE MOTOR TO OVERHEAT AND SHUT OFF. SIMPLY WAIT 15 MINUTES AND TRY AGAIN.** Read chart carefully before proceeding to Step 2. Use a screwdriver to make limit adjustments.

### LIMIT ADJUSTMENT CHART

#### **IF DOOR DOES NOT OPEN COMPLETELY BUT IT OPENS AT LEAST FIVE FEET**

Increase UP travel. Turn the UP LIMIT adjustment screw clockwise. One turn equals 2" of travel.

**If door does not open at least 5 feet:** adjust OPEN FORCE as explained in Step 2.

#### **IF SECTIONAL DOOR DOES NOT CLOSE COMPLETELY**

Increase DOWN travel. Turn down limit adjustment screw counterclockwise. One turn equals 2" of travel.

If the door still will not close completely, the header bracket is positioned too high. Repeat Step 1, page 7.

#### **IF ONE-PIECE DOOR DOES NOT CLOSE COMPLETELY**

Increase DOWN travel. Turn down limit adjustment screw COUNTERCLOCKWISE One turn equals 2 inches of travel.

#### **IF OPENER REVERSES IN FULLY CLOSED POSITION**

Decrease DOWN travel. Turn down limit adjustment screw clockwise. One turn equals 2" of travel.

#### **IF DOOR REVERSES WHEN CLOSING AND THERE IS NO INTERFERENCE TO TRAVEL CYCLE**

**Test door for binding:** Pull emergency release handle. Manually open and close door. If door is binding, call a door serviceman. If door is not binding or unbalanced, adjust CLOSE FORCE. See Step 2.

## STEP 2 *Adjust Force*



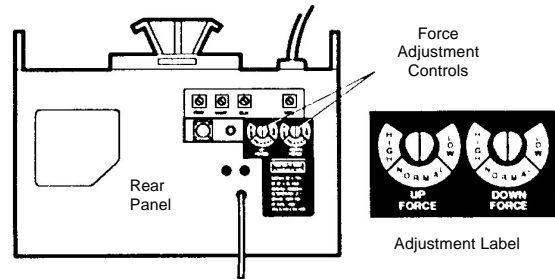
**DO NOT USE FORCE ADJUSTMENTS TO COMPENSATE FOR A BINDING OR STICKING GARAGE DOOR. EXCESSIVE FORCE WILL INTERFERE WITH PROPER OPERATION OF SAFETY REVERSE SYSTEM OR DAMAGE GARAGE DOOR.**

Force Adjustment Controls are located on rear panel of opener. **FORCE ADJUSTMENT** settings regulate amount of the power required to open and close door.

**NOTE: The door STOPS in the UP direction if anything interferes with its travel. Door REVERSES in the DOWN direction if anything interferes with its travel (including binding or unbalanced doors).**

If the force adjustments are set too light, door travel may be interrupted by nuisance reversals in DOWN direction and stops in UP direction. As weather conditions can affect the door movement, occasional adjustment may be needed.

Maximum force adjustment range is 260 degrees, about 3/4 of a complete turn. Do not force controls beyond that point. Turn force adjustment controls with a screwdriver.



### FORCE ADJUSTMENT CHART

#### TEST DOWN (CLOSE) FORCE

Grasp the door handle or door bottom when door is about halfway through DOWN (CLOSE) TRAVEL. Door should reverse. If the door is hard to hold or doesn't reverse, decrease DOWN (CLOSE) FORCE by turning the control in a counterclockwise direction. Make 10 degree turn adjustments until door reverses normally. After each adjustment, run opener through a complete cycle.

**PROCEED TO STEP 3**

#### IF DOOR DOESN'T OPEN AT LEAST 5 FEET

Increase UP (OPEN) FORCE by turning clockwise. Make 10 degree turn adjustments until door opens completely. Readjust UP LIMIT if necessary. After each adjustment, run opener through a complete travel cycle.

#### IF DOOR REVERSES DURING DOWN (CLOSE) CYCLE

Increase DOWN (CLOSE) FORCE by turning control clockwise. Make 10 degree turn adjustments until door completes close cycle. After each adjustment, run the opener through a complete travel travel

# Radio Controls

F.C.C. rules prohibit adjustments to or modification of receiver and/or transmitter circuitry except for changing the code setting and replacing the transmitter battery THERE ARE NO USER SERVICEABLE PARTS.

Manufactured under 1 or more of the following U.S. patents: RE29,525; 4,037,201; 4,750,118; 4,806,930

Your garage door opener receiver and transmitter have been set at the factory to a matching code. If you want to CHANGE your code or purchase additional transmitter follow the instructions below. The code in any NEW transmitter must be set to match the code in the original transmitter.

## MATCH/CHANGE THE CODE IN TRANSMITTER(S)

**PROCEDURE:** With visor clip off, remove screw in the original and any new transmitter as illustrated in Figure 1. Carefully turn cases over (push button sides up). Remove case tops as shown in Figure 2. **CAUTION: Be careful not to move circuit board components.**

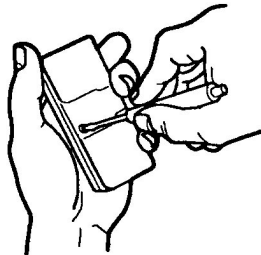


FIGURE 1

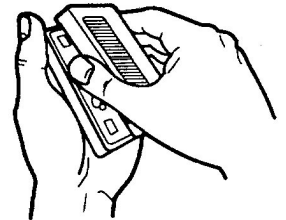


FIGURE 2

Place transmitter circuit boards side by side as shown in Figure 3. Set code switches in ALL transmitters to matching positions (+, -, or 0). Use a pen or screwdriver to slide the switches. If one transmitter has 8 code switches, set code switch 9 to center (0) position in other transmitter.

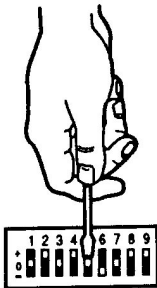
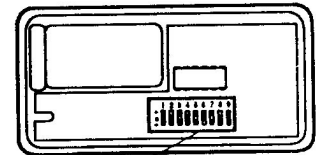
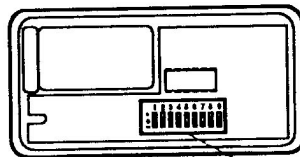


FIGURE 3



Transmitter Circuit Board  
Code Switches

## SET RECEIVER TO MATCH TRANSMITTER(S) CODE

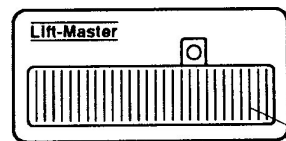
GARAGE DOOR OPENERS  
WITH RECEIVER SMART CODE BUTTON

**PROCEDURE:**

1. Press the RECEIVER Smart Button on the back panel of the opener as shown. The adjacent indicator light will turn ON.
2. **STAND AWAY FROM THE DOOR** and press the transmitter push button. The indicator light will turn OFF and the door will move. Receiver and transmitter(s) codes now match. The opener will operate when either the wall push button or the transmitter push button is pressed.

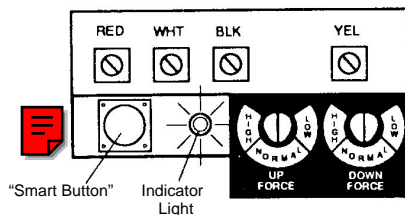
**NOTE:** If the transmitter push button is not pressed within 30 seconds, the indicator light will turn OFF. In that case, begin again at Step 1.

**TRANSMITTER**



Push Button

**RECEIVER**

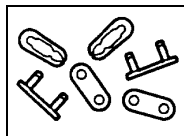


"Smart Button"

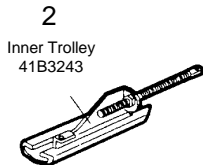
Indicator Light

# Repair Parts

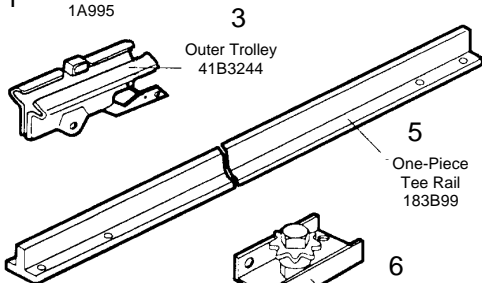
## RAIL ASSEMBLY PARTS LIST



1 Master Link Kit  
1A995

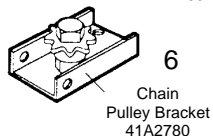


2 Inner Trolley  
41B3243

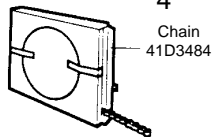


3 Outer Trolley  
41B3244

5 One-Piece  
Tee Rail  
183B99



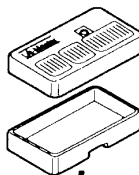
6 Chain  
Pulley Bracket  
41A2780



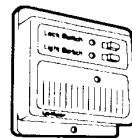
4 Chain  
41D3484

7 NOT SHOWN  
Owners Manual  
114A1221

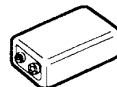
## INSTALLATION PARTS LIST



8 Transmitter Case Cover  
& Screw Assembly  
41A3307



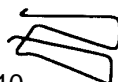
9 Wall Control  
Assembly  
41D3085



10 9Volt Battery  
10A2 11



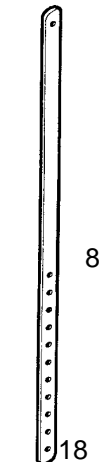
12 4 Strand  
Bell Wire  
217A209



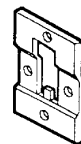
10 Transmitter  
Visor Clip  
29C121-2



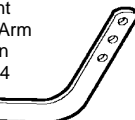
13 Emergency Rope  
& Handle Assembly  
41A2828



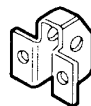
18 Straight  
Door Arm  
Section  
178B34



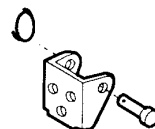
16 Door Bracket  
Plate  
12B380



14 Curved Door  
Arm Section  
178B35

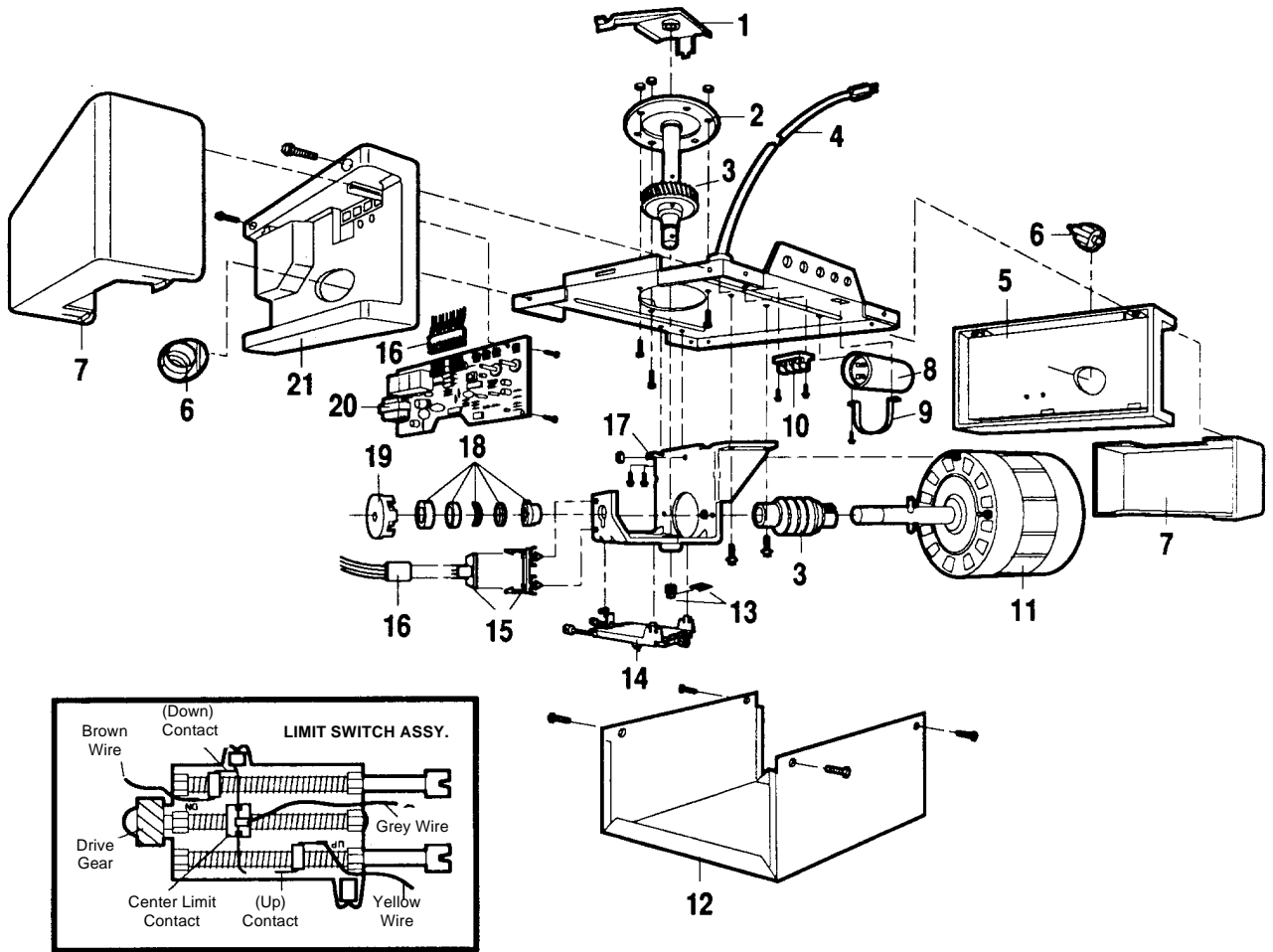


15 Door Bracket  
12B374



17 Header Bracket Plus  
Clevis and Fastener  
41A2829 17

## Chassis Assembly Parts List



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	31C290	Sprocket cover	10	41A3150	Terminal block w/screws
2	41A2827	Gear and sprocket assy. <b>Complete with:</b> Spring washer Thrust washer Retaining ring Bearing plate Roll pins (2) Drive gear Worm gear Helical gear w/retainer Grease	11	41D3058	Univenal replacement motor
3	41A2817	Drive/worm gear kit w/grease Roll pins (2)	12	41D2810	Cover w/all labels (1060)
4	41B2991	Line cord		41D2752	Cover w/all labels (1050)
5	143D110	End panel w/all labels	13	41A2818	Helical gear & retainer w/grease
6	175B88	Light socket (each)	14	41D3452	Limit switch assembly
7	108D34	Lens (each)	15	41C3005	RPM sensor assembly
8	30B363	Capacitor 1/2HP	16	41C2726	Wire harness assy. w/plug
9	12A373	Capacitor Bracket	17	41A3027	Motor bracket and bearing assy.
			18	41A2826	Shaft bearing kit
			19	41A2822	Interrupter cup assy.
			20	41A3040	Receiver logic board assy. 2 light operator
				41A3039	Receiver logic board assy. 1 light operator
					<b>Complete with:</b> Logic board Light socket (1)
			21	41A3052	End panel w/all labels
					<b>NOT SHOWN</b> Chassis assy. hardware kit (includes screws not designated by a number in illustration)

## LIFT-MASTER SERVICE IS ON CALL

OUR LARGE SERVICE ORGANIZATION  
SPANS AMERICA

INSTALLATION AND SERVICE INFORMATION IS AS  
NEAR AS YOUR TELEPHONE SIX DAYS A WEEK. SIMPLY  
DIAL OUR TOLL FREE NUMBER:

**1-800-528-9131**

HOURS: 7:00 a.m. TO 3:30 p.m.  
(Mountain Std. Time)  
MONDAY through SATURDAY

For professional installation parts and service contact your  
local CHAMBERLAIN/LIFT-MASTER dealer. Look for him in  
the Yellow Pages or call our Service number for a list of  
dealers in your area.

## HOW TO ORDER REPAIR PARTS

Selling prices will be furnished ON request or parts will be  
shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS ALWAYS GIVE THE  
FOLLOWING INFORMATION:

- PART NUMBER
- PART NAME
- MODEL NUMBER

ADDRESS ORDERS TO:  
THE CHAMBERLAIN GROUP INC.  
Electronic Parts and Service Department  
2106 N. Forbes Boulevard  
Tucson Arizona 85745

SERVICE INFORMATION  
TOLL FREE NUMBER:

**1-800-528-9131**

### LIFT-MASTER GARAGE DOOR OPENER ONE-YEAR LIMITED WARRANTY

The Chamberlain/Lift-Master warrants to the first retail purchaser of this product that it will be free From any defect in materials and/or workmanship for a period of twelve full months from the date of purchase. The product must be used in complete accordance with Lift-Master instructions for installation. or operation and care.

#### LIMITED WARRANTY ON MOTOR

**Model 1060:** The motor is warranted to be free From any defect in materials and/or workmanship for a period of 60 full months (5 years) from the date of purchase.

**Model 1050:** The motor is warranted to be Free From any defect in materials and/or workmanship for a period of 36 full months (3 years) From the date of purchase.

This warranty does not cover non-detect damage caused by unreasonable use (including abuse failure to provide reasonable and necessary maintenance or any alterations to the product) labor charges for dismantling or reinstalling of a repaired or replaced unit or replacement batteries.

11 during the warranty period the product appears as though it may be defective, **CALL OUR TOLL FREE SERVICE NUMBER BEFORE DISMANTLING IT (1-800-528-9131)**. If the product is then alleged to be defective, please send it pre-paid and insured to our Service Center to obtain warranty repair. You will be advised of shipping instructions when you call the number listed above.

Please be sure to include a brief description of the problem and a dated proof-of-purchase receipt with any product that is returned for warranty repair.

Product under warranty which upon receipt by Chamberlain/Lift-Master is determined to be defective in materials and/or workmanship will be repaired or replaced (Chamberlain's option) at no cost to you and returned pre-paid. Defective parts will be repaired or replaced with new or factory rebuilt parts at Chamberlain's option.

**THE DURATION OF IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. SOME STATES MAY NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.**

All claims for consequential or incidental damages for breach of this warranty are excluded and in no event shall manufacturer's liability for breach of warranty negligence strict liability or breach of contract exceed the cost of the product covered herein but the purchaser is entitled to the remedies expressly provided in this policy. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

No representative or person is authorized to assume for us any other liability in connection with the sale of this product. This warranty gives you specific legal rights and you may also have other rights which may vary From state to state.



## ***ACCESSORIES FOR YOUR GARAGE DOOR OPENER***

<b>ORIGINAL MODEL#</b>	<b>SUBSTITUTE TO USE</b>	<b>DESCRIPTION</b>
51LM	61LM	Single Function Remote
52LM	62LM	Two Button Remote
53LM	63LM	Three Button Remote
54LM	64LM	Mini Multi Function Remote
56LM	41A3685	Wall Control Panel (4 wire)
65LM	65LM	Keyless Entry (Wired)
60LM	60LM	Outside Keylock
1702	1702LM	Outside Quick Release(used if you have a power outage and no other entrance)
74LM	742LM	Plug -In Light Control
72LM	722Lm	Wire-In Light Control