Courion

Security Fire Door

Harris Preble

Guilbert

Energy

Cart-Matic

ONE COMPANY | So Many Options

Guilbert & Energy
Parts & Maintenance

www.couriondoors.com
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INSTRUCTIONS FOR ORDERING PARTS

WE HAVE A MINIMUM PARTS ORDER OF $50.00. IN THE EVENT THAT AN ORDER DOES NOT MEET THIS REQUIREMENT, THE CUSTOMER WILL BE INVOICED MINIMUM CHARGE. PRICE LISTS ARE NOT AVAILABLE DUE TO THE EXTREME FLUCTUATION IN PARTS PRICING. PARTS RETURNED WITHOUT AUTHORIZATION ARE SUBJECT TO A SUBSTANTIAL RESTOCKING CHARGE.

MANY PARTS FOR OLDER JOBS, PARTICULARLY THOSE PRIOR TO 1965 ARE NOW OBSOLETE AND MAY NOT BE AVAILABLE. THIS MAY INCLUDE PARTS SHOWN IN THIS CATALOGUE. IF A COMPONENT PART IS OBSOLETE AND UNAVAILABLE, IT MAY BE POSSIBLE TO REPLACE IT WITH A NEW COMPLETE ASSEMBLY. IF FURTHER ENGINEERING IS REQUIRED FOR THIS REPLACEMENT, PLEASE ALLOW A SUBSTANTIAL TIME FOR THIS PROCEDURE.

DO NOT ATTEMPT TO REFERENCE A JOB BY NAME, ADDRESS, AND ELEVATOR COMPANY NUMBER ONLY.

OUR RECORDS GO BACK TO 1955. IF WE MUST LOCATE THE ORIGINAL JOB FILE, THE FOLLOWING INFORMATION MUST BE FURNISHED BY YOU:

1. JOB NAME AND GUILBERT JOB NUMBER

   A. FOR POWER OPERATED JOBS (ANY JOB WITH MOTORIZED EQUIPMENT) THE JOB NUMBER IS LOCATED ON THE CONTROLLER.

   B. FOR MANUAL JOBS, THE JOB NUMBER IS USUALLY MARKED ON THE GUIDE RAILS. THIS TENDS TO BECOME OBLITERATED AFTER A PERIOD OF TIME.

   C. IF YOU HAVE A GUILBERT LAYOUT, THE JOB NUMBER WOULD BE LOCATED IN THE LOWER RIGHT-HAND CORNER.

   D. IF THE GUILBERT JOB NUMBER IS NOT AVAILABLE, GIVE THE ORIGINAL JOB NAME AND THE YEAR PURCHASED, AS WELL AS THE ELEVATOR COMPANY THAT ORIGINALLY PURCHASED IT.

OF COURSE, MANY PARTS ARE STANDARD AND WE WOULD NOT NEED A JOB REFERENCE.

MANY PARTS ARE HANDED. BE SURE TO TAKE THIS INTO CONSIDERATION WHEN ORDERING. PARTICULARLY INTERLOCKS AND THEIR COMPONENTS. THE HAND IS DETERMINED BY STANDING IN THE CAR LOOKING OUT.

BE SURE OF THE PART YOU WANT. IF A PART IS ORDERED IN ERROR AND RETURNED, YOU WILL BE CHARGED A SUBSTANTIAL RESTOCKING CHARGE. CUSTOM-MADE PARTS ARE NOT RETURNABLE.
GUILBERT JOB NUMBERS
How to Locate and Identify

How to Locate: On power jobs, the job number is located on the controller, or on GUILBERT hatch layouts, wiring diagrams and on the front of the GUILBERT maintenance manual.

How to Identify: The number on the wiring diagram or hatch layout is the job number. Numbers fall into 3 variations:

1. Prior to 1955 - 4 digits (Ex: 5503)
2. 1955 to 1972 - 2 digits representing the year, a hyphen and the sequence number (Ex: 69-342 = 1969, 342nd job 70-14 = 1970, 14th job)
3. 1972 to present - 5 digit number (Ex: 33260)

There is a controller designation on the controller, such as 170-FR or 275-F, etc. These are NOT JOB NUMBERS. They have no use for any type of identification. Ignore them.
SAFETY ASTRAGALS
FOR FREIGHT ELEVATOR DOORS
UNDERWRITERS TESTED - NEOPRENE

IF YOU WANT JUST SHEATHING, STATE "SHEATHING",
DO NOT CALL THE SHEATHING AN ASTRAGAL!!
IF YOU ARE ORDERING A COMPLETE ASTRAGAL, YOU WILL
RECEIVE THE SHEATHING, PLUS MOUNTING BAR & CHANNEL.

Sheathing and astragals are available for 1" or 2" clearance between
doors panels. Order by part number and length.

Sheathing for a 1" Astragal is 5" wide, Part #55309
Sheathing for a 2" Astragal is 7" wide, Part #55367

Tubes which were sometimes used in old 2" Safety Astragals are
obsolete - no longer available. Tubing is not required, therefore,
order the sheathing only.

SECTION - 1" ASTRAGAL
In accordance with
American Standard
Safety Code.

GENERAL:
Safety Astragals should extend full width of opening plus 1/2" each
side. Guilbert Astragals are built so basic bar extends full width
of opening and the neoprene sheathing continues beyond 3/4" each
side. This can be trimmed to suit.

Guilbert Safety Astragals are furnished with web pull straps for
both roomside and carside use.

If doors are manufactured with center hook latches, the hooks
must be removed entirely. They are no longer legal. Order Guilbert
"Hold Close" devices when ordering the safety astragal. The hold
close device will retain the door in a closed position for the
interlock to "make up". Customer is to provide brackets for the
hold close deivces to suit field conditions, if necessary.

CAUTION: Check overhead space travel of upper door section for regular door
with no latch release assembly. Astragal requires 2 3/4" more travel.
*COURION WILL NO LONGER CARRY MANY OF THE GUILBERT DUMBWAITER PARTS, MOST ARE OBSOLETE.*
POWER OPERATED
DUMBWAITER HATCH DOOR
used with
MASTER OPERATOR
PARTS FOR DUMBWAITER SHAFTWAY DOORS

RUBBER BUMPER
FM-A00366

HATCH DOOR FIRE LATCH
3XC-84
R.H. shown
L.H. opposite

FUSIBLE LINK
55326

DOOR RETAINER
CD-A00396

LIMIT SWITCH
55036

HATCH DOOR SHEAVE
CD-A00437

FIRE LATCH SPRING
3XC-85
R.H. shown
L.H. opposite
AND RETIRING CAMS
FOR DOORS USING A MASTER OPERATOR

RETIRING CAM MOTOR
P-16628 "Handed"
OBsolesT

RETIRING CAM
FACE RC-C00242-9

CAR DOOR VANE ASS'Y
W/nylon roller
CC-A09792 "Handed"

OPERATOR
1966 Thru 1972 3XC-2200
1973 Thru July 1978 3XC-2200A
August 1978 to Present P-21584

OPERATOR MOTOR PA-B00295
WITH SPROCKET FP-A00941
REDUCTION
UNIT WITH
SHAFT &
BEARINGS
P-21586

DRIVE SPROCKET
ASS'Y. WITH
BEARINGS
P-21585

IDLER SPROCKET
ASS'Y WITH
SHAFT & BEARINGS
(MOUNTED ON
TOP SPREADER)
CC-A00800
Complete gripper assembly CD-C00140 (old number 3XC-2291) consists of material as follows:

1. only - CD-B00204 Gripper casting
2. only - CD-A00745 Retainer & screw
3. only - CD-A00740 Gripper packing
4. only - CD-A00739 Pressure adjustment shim
5. only - CD-A00742 Gripper lining & plate

SHAFTWAY DOOR
GRIPPER CASTING
CD-B00204

GRIPPER PACKING
CD-A00740

Gripper pressure adjustment shim
CD-A00739

Gripper lining and plate
CD-A00742

Gripper parts for master operated power dumbwaiter doors
COMPLETE UNIT AND PARTS ARE BASED ON SHIP DATE. IF JOB IS PRIOR TO 1978, CONTACT US & HAVE GUILBERT JOB NUMBER AVAILABLE.

DUMBWAITER DOOR OPERATOR
P-21584
August 1978 to present.
The following item is available separately, but does not have a number: conduit with lock nut.

* THIS PART IS DIRECTLY REPLACED BY THE COURION STANDARD E.U.D. ASSEMBLY. 08-899502

EMERGENCY RELEASE CHAIN
TYPE WITHOUT GLASS
P-26070
GLASS FOR VISION PANEL 1XC-404

COMPLETE GUIDE SHOE P-21565

WEB STRAP HOLDER 55139

1" or 2" safety astragal. Usually sheathing only is required on replacement.

PULL STRAP 55316

HOLD CLOSE KEEPER (on rail) 1XC-429
HOLD CLOSE SPRING (on wing arm) 1XC-427

KEEPER 2X-1010

CHAIN HITCH

DOOR CHAIN #2040 (or #2050)

DOOR CHAIN ROD
P-21572 2040 chain
P-21574 2050 chain

CHAIN ROD MGT. KIT
P-21545 2040 chain
P-21573 2050 chain

COMPLETE GUIDE SHOE P-21565

RAIL (or sill) STOP 1XC-418
Jobs after Sept. 1979, use 55121

MANUAL FREIGHT DOOR SPROCKET P-21772
(Specify 2040 or 2050 chain)

P-21581 2040 LH
P-21597 2040 RH
P-21588 2050 LH
P-21600 2050 RH

FREIGHT DOOR HARDWARE
COMPLETE GUIDE SHOE KIT FOR ANY GULFERT FREIGHT DOOR IS PART #P-21565

VIEW OF CORNER OF DOOR WHEN OPENED

PART #1XC-418 NOTCHED TOP AND BOTTOM AS SHOWN. JOBS SHIPPED AFTER SEPTEMBER 1979 USE #555121. SUPPORT NOTCHED TOP ONLY.
To order a complete hold close device kit, use part #P-21577. The kit includes one pair of hold close devices including springs, keepers, shims, compressor plates and bolts.
For panels with reversing edge. If the reversing edge is to be replaced, see pages on reversing edges.
DOUBLE BLADE POWER CAR GATE PANELS

1966 - Present

TOP PANEL

- P-21623 Guide Shoe
- GATE CAM for speed control 4X-148
- D/B gate tape w/hitch 4X-89
- Chain rod ass'y P-21788

BOTTOM PANEL

- P-21623 Guide Shoe
- Chain 55266
- Chain rod ass'y P-21787
- GP-A01136 Web Strap
- PM-A00371 Bumper
L.H. STUB ASS'Y GP-A01148  R.H. STUB ASS'Y GP-A01149
For dual motor operation, use 2 L.H. stub ass'ys

Pick Up Sprocket Ass'y GP-A00571
Connecting Pipe GP-A00569

BEARING 55221
Drive Sprocket Ass'y & Hub GP-A00570
BEARING 5527

REDUCTION UNIT
GP-B00129-1 LH
-2 RH

"V" BELT (NOT SHOWN) 55222

DO NOT USE FOR GATES PUT IN PRIOR TO 1966. If your gate is driven by an AC motor, the entire power drive and braking system is obsolete. Parts are no longer available. It is advisable to order a complete power header. This includes all of the material shown, in a frame, prepared for mounting to the existing weight boxes. Order by part number GP-D00046, also give us the original Guilbert job number.

POWER HEADER
single blade
car gate
for ONE SIDE, on a hub mounted to a stub pipe. THEY DO NOT INCLUDE BEARINGS

L.H. STUB ASS'Y GP-A01146
R.H. STUB ASS'Y GP-A01147
For dual motor operation, use 2 L.H. stub ass'ys

Bearing 55221

Stub pipe GP-A00568

Connecting Pipe GP-A00569

Drum cover 4X-88

Drum 4X-87

Hub & sprocket ass'y GP-A00585

Hub & sprocket ass'y GP-A00586

REDUCTION UNIT
GP-B00129-1-LH -2 RH

"V" BELT (NOT SHOWN)
55222

DO NOT USE FOR GATES PUT IN PRIOR TO 1966. If your gate is driven by an AC motor, the entire power drive and braking system is obsolete. Parts are no longer available. It is advisable to order a complete power header. This includes all of the material shown, in a frame, prepare for mounting to the existing weight boxes. Order by part number GP-D00096 also give us the original Guilbert job number.

POWER HEADER
double blade
car gate
MANUAL GATE PARTS

P-21998
SHEAVE ASSEMBLY

4XC-278
RUBBER BUMPER

P-21623
GUIDE SHOE
Complete, Incl.
2 Covers & Gib

4X-117
GUIDE SHOE GIB

P-26071
COUNTERWEIGHT SHEAVE

GP-A01136
PULL STRAP

4XC-125
CABLE HITCH

55060
5B CONTACT
OBSOLETE

PM-A00371
BUMPER and BOLT
LEFT HAND PARTS ARE OPPOSITE. PLEASE DESIGNATE "HAND" WHEN ORDERING ANY INTERLOCK PARTS.

Standard latch & shaft for use with zone switch
MA-A00531
Designate "Hand"

If no zone switch use 2X-19

Roller IL-A01083

Latch & extended shaft 2X-71
If no roller switch use 2X-70

Shaft extended 2X-74
Shaft offset 2X-73

Roller & Shaft Ass'y P-21603

Roller arm ass'y IL-B09389
(Incl. arm, roller & shaft
Designate "Hand"

Contacts

RH top IL-C00251-1
LH top IL-C00251-2
RH bottom IL-C00250-1
LH bottom IL-C00250-2

Interlock Only RH For power doors (set up for zone switch) P-21758
" " RH With zone switch attached P-21678
" " RH For manual doors P-21680
" " LH For power doors (set up for zone switch) P-21676
" " LH With zone switch attached P-21677
" " LH For manual doors P-21679

DOUBLE CONTACT INTERLOCK
Roller & Shaft Ass'y P-21603

R.H. ROLLER ARM 2X-42

R.H. ROLLER ARM ASSY IL-B00389
REGULAR TYPE DOORS

CONTACT
R.H. = IL-C00250-1
L.H. = IL-C00250-2

CAR SIDE ELEVATION
R.H. AS-1 INTERLOCK

STANDARD LATCH & SHAFT 2X-9

LATCH & EXTENDED SHAFT 2X-10

SHAFT OFFSET 2X-73

SHAFT EXTENSION 2X-74

Interlock Complete RH = P-21683
LH = P-21687

AS-1
SINGLE CONTACT INTERLOCK
NOTE: The plugproof bar and zone switch are not part of the interlock. If you are ordering an interlock and also want a p.p.bar or zone switch, please advise us. For parts information, both items have their own pages in this book.

---

PLUGPROOF BAR

ZONE SWITCH

INTERLOCK

AR-2 INTERLOCK
Showing position of the plugproof bar & zone switch.
1. **DO NOT**
   1. Remove contact from bracket.
   2. Splice wires in interlock case.

**NOTE**
- **AR-2 (double contact) interlock is shown** as **A31 (Single contact) interlock contains bottom contact only**

**Instructions For Replacement Of Contact Assemblies In Interlocks**

1. **REMOVE THE TWO SCREWS FROM INTERLOCK COVER AND REMOVE COVER.**
2. **CHECK COLOR OF LEADS OF CONTACT TO BE REPLACED AND DISCONNECT AT JUNCTION BOX, MARK CONNECTIONS BEFORE PULLING WIRES. ATTACH PULL WIRE TO LEADS FOR EASE IN WIRING CONTACT THROUGH CONDUIT.**
3. **REMOVE SCREWS 1 AND 2 WITH SCREWDRIVER (PREFERABLE SPLIT-END TYPE). REMOVE CONTACT ASSEMBLY. NOTE: IF UPPER CONTACT ASSEMBLY IN AR-2 INTERLOCK IS TO BE REPLACED, BOTTOM CONTACT SCREWS 1 AND 2 MUST BE REMOVED AND CONTACT ASSEMBLY MOVED CLEAR BEFORE SCREWS 3 AND 4 ARE REMOVED.**
4. **INSTALL NEW CONTACT ASSEMBLIES AS REQUIRED AND PULL WIRES TO JUNCTION BOX AND MAKE PROPER CONNECTIONS.**
5. **REPLACE INTERLOCK COVER.**
SPECIAL INTERLOCKS

Instructions for Ordering

Explosion-proof interlocks (NEMA 7) identified as Guilbert MX lock. Water-proof (NEMA 4) identified as Guilbert MW lock.

The MX and MW designations are not part numbers, they only identify the type of lock. The part number is based on the vintage, the "hand" and presence of a plugproof bar. We must obtain the information below. After you obtain the information requested below, call us with your order. Do not send in a purchase order before calling first. These locks are very special and very expensive. They will be made based on the information you give us. The lock will not be returnable, if we send the wrong lock based on incorrect information given to us. If you follow the steps below, ordering will be very simple.

Step 1: Try to give us the Guilbert job number and the door on which the lock is to be used. The job number is the same as the drawing number. On power jobs, the job number may be found on the Guilbert controller. If you have this information, and the job was put in after 1960, skip Steps 2, 3 and 4.

Step 2: Try to determine the vintage of the lock. They fall into 3 categories:

A. Locks made prior to July 1974.

B. Locks made from July 1974 to July 1983.


If this cannot be determined, we must have the year of installation and the installing elevator company so that we may attempt to locate the job folder.

Step 3: Determine the "hand" of the lock, standing on the car looking out.

Step 4: Determine if the lock has a plugproof bar. If the job has a plugproof bar and if we are to replace same we must have the exact opening height of the door. If the lock was made before 1983 and has a plugproof bar, the replacement lock must be made with a plugproof bar attached. They will not be interchangeable.

Step 5: Place the order by phone. Individual servicing the job, familiar with the requirements, should place the call.

Step 6: Spare parts are NOT available for these locks, either send us the old lock or replace complete interlock.
INDIVIDUAL DOOR LIMIT SWITCH

NOT HANDED

Mounting Channel 55073
Micro Switch 55036
Micro Sw. Mtg. Bracket 55072 P-21765
Mtg. Bracket Base 55074

Door Rails

Actuating Cam on Door Wing Arm P-21566

Duplicate of Above. P-21765

If job has fire service, there are three assemblies P-21765
Specify Hand of Assy if Complete Unit is Required (Standing in Car Looking out) R/H Shown. Complete Type LSM Limit Sw. Assy 7XC-246A

Upper Sprocket Assy (10T) 7XC-251A-Top
Chain #65 (1/8" 1/2" Pitch) Roller Chain
Micro Switch Bracket 7XC-252A
Micro Switch Bracket 4XC-1267
P-21759 Micro Switch With Jr Actuator
Actuating Cam Complete 7XC-253A
Bottom Sprocket Assy (10T & 20T) 7XC-251A-Bot

Chain #41 Roller Chain (Specify Length)

Chain to Cable Connectors 7XC-419M

Cable 3/16" Dia. Airplane Cable (Specify Length)
(Usually 2 Times Elev. Rise Plus 25 Ft.)

Wing Arm on Lower Panel of Each Door
Actuator on Chain Rod 7XC-285A
Clamp on Cable Under Wing Arm 7XC-421M

Compensating Weight 7XC-260A
Clamp on Cable Under Weight 7XC-421M

Bottom Tension Sheave 4XC-220
Adjusting Rods 7XC-424M
Mounting Bracket 7XC-423M
Complete Assy 7XC-422M

Freight Door LIMIT SWITCH
Master Hatch Type

OBSOLETE
Counterweight cam shown with gate in closed position.

Counterweight cam 4X-147

SAFETY CONTACT

CWT. SHOI

LIMIT SWITCH 55036

Shown for single blade gate. Double blade gate is similar. Gate cam assembly is shown with gate in extreme open position.

GATE LIMIT SWITCH ASSEMBLY
LIMIT SWITCH ASSEMBLY
sparkproof & explosion proof for power gates
MOTORS FOR OPERATORS

A. AC MOTORS - THESE WERE USED PRIOR TO 1964. THEY ARE OBSOLETE AND NO LONGER AVAILABLE EITHER FROM GUILBERT OR THE MANUFACTURER.

B. DC MOTORS FOR MASTER OPERATORS (1/2 HP) - MASTER OPERATORS WERE USED PRIOR TO 1971. THE MOTORS ARE OBSOLETE AND NO LONGER AVAILABLE EITHER FROM GUILBERT OR THE MANUFACTURER.

C. DC MOTORS FOR OUR STANDARD INDIVIDUAL OPERATOR (SINGLE OR DUAL MOTOR). - 95V, 1/16 HP.

1. FOR JOBS 1964 THRU 1968 - ELECTROMAGNET MOTOR - THESE OPERATORS USE OUR CURRENT STANDARD REPLACEMENT MOTOR, BUT WE MUST PROVIDE AN ADAPTER PLATE WITH THE NEW MOTOR SO THAT IT CAN BE MOUNTED ON THE OLD OPERATOR. WE ALSO PROVIDE A WIRING DIAGRAM WHICH SHOWS CONVERSION TO A PERMANENT MAGNET MOTOR.

2. FOR JOBS 1969 THRU THIS PRINTING - YOU MAY USE OUR CURRENT STANDARD 95V PERMANENT MAGNET MOTOR WITH NO MODIFICATION.

IF THE JOB HAS SPECIAL ELECTRICAL REQUIREMENTS, SUCH AS EXPLOSION OR DUST PROOF, WE MUST BE ADVISED. IF JOB HAS DUAL OPERATORS, WE MUST ALSO BE ADVISED.

OPERATOR OR IDLER UNITS: (INCLUDING SPROCKETS, CHAIN OR COMPLETE UNITS)

A. IF YOU WILL LOOK AT THE PAGES SHOWING "BREAK APART" DRAWINGS OF THE OPERATORS, YOU WILL NOTE THAT THERE HAVE BEEN MANY VARIATIONS OF OUR OPERATOR. PARTS SHOWN ON THE VARIOUS PAGES ARE NOT INTERCHANGEABLE WITH OPERATORS SHOWN ON A DIFFERENT PAGE. THEREFORE, IT IS IMPORTANT TO DETERMINE THE YEAR OF MANUFACTURE. IF YOU DO NOT KNOW THE YEAR OF MANUFACTURE, IT IS EASY TO ACQUIRE. OUR JOB NUMBER MAY BE FOUND ON THE DOOR CONTROLLER OR ON ANY GUILBERT DRAWINGS IN YOUR POSSESSION. GIVE US THE JOB NUMBER AND WE WILL TAKE IT FROM THERE.

B. PLEASE REFER TO THE FOLLOWING PAGES SHOWING OPERATOR PARTS BEFORE ORDERING. NOTE YEAR OF MANUFACTURE IN LOWER RIGHT HAND CORNER OF EACH PAGE.
COMPLETE IDLER UNIT
7XC-148A
Designate 41 Chain
& Type of Door Chain

COMPLETE OPERATOR
7XC-147A

Reduction sprocket
and shaft
7XC-160A
-Designate #41
Chain

Sprocket on
motor shaft.
7XC-175A
-Designate #41
Chain

Idler on
motor shaft.
7XC-176A
-with Spacer
7XC-177A

Door & cross chain
sprocket ass'y & shaft
7XC-226A for 2040 chain
or 7XC-290A for 2050 chain
Designate cross chain as
#41

Cross chain tension
adj. sprocket
& shaft 7XC-186A
& 7XC-187A

Chain retainer
7XC-216A

Door & cross chain
sprocket ass'y & shaft
7XC-199A for 2040 chain
or 7XC-290A for 2050 chain
Designate cross chain
#41

Door chain 2040
or 2050 for wide doors

FREIGHT DOOR
OPERATOR
MODEL 170S
Prior to July 1970

OBsolete
or a car lap greater than 4". If your elevator has any of the items mentioned, please give us the job number and the specific door being serviced.

COMPLETE IDLER UNIT
7XC-148A
Designate 65 Chain
& Type of Door Chain

COMPLETE OPERATOR
7XC-339A
Reduction sprocket and shaft
7XC-160A
Designate 65 Chain

Sprocket on motor shaft
7XC-175A
Designate 65 Chain

Idler on motor shaft
7XC-289A
with Spacer
7XC-177A

Door & cross chain sprocket ass'y & shaft
7XC-226A for 2040 chain
or 7XC-290A for 2050 chain
Designate cross chain as 65

Cross chain tension adj. sprocket
& shaft 7XC-186A & 7XC-288A

Cross chain
65

Chain retainer
7XC-216A

Door chain 2040
or 2050 for wide doors

GREIGHT DOOR OPERATOR
MODEL 170S
July 1970 to Oct. 1972

OBsolete 35
please give us the job number and the specific door being serviced.

COMPLETE IDLER UNIT
FP-C00203
Designate Type of Door Chain

COMPLETE OPERATOR
FP-C00001
Reduction sprocket and shaft MM-A00018

Sprocket on motor shaft FP-A00941

Door & cross chain sprocket ass'y & shaft PB-B00264-1 2040 chain -2 2050 chain

Idler on motor shaft MA-A00198 with Spacer PS-A00957

Cross chain tension adj. sprocket & shaft MA-A00196

Door & cross chain sprocket ass'y & shaft MA-A00016-1 2040 chain -2 2050 chain

Cross chain §65

Chain retainer MM-A00023

Door chain 2040 or 2050 for wide doors

FREIGHT DOOR OPERATOR
MODEL 170M
July 1973 to March 1976

OBSELETE

3
COMPLETE IDLER UNIT
FP-C00222
Designate Type
of Door Chain

COMPLETE OPERATOR
FP-C00217

Reduction sprocket
and shaft
MA-A0021A &
FP-B00258

Door & cross chain
sprocket ass'y & shaft
PB-B00263
Designate
2040 or 2050
Door Chain

Sprocket on
motor shaft
FP-A00941A

Idler on
motor shaft
MM-A00198A
with Spacer
PS-A00957

Door & cross chain
sprocket ass'y & shaft
MA-A00019A-1 2040 chain
MA-A00019A-2 2050 chain

Cross chain tension
adj. sprocket
& shaft MA-A00196A

Reduction chain
#41

Chain retainer
MM-A00023

Door chain 2040
or 2050 for wide doors

FREIGHT DOOR
OPERATOR
MODEL 175
March 1976 to May 1977

OBSOLETE
or a car lap greater than 4". If your elevator has any of the items mentioned, please give us the job number and the specific door being serviced.

**COMPLETE IDLER UNIT**
FP-D0015-1 2040 chain
-2 2050 chain

**COMPLETE OPERATOR**
FP-D00114-1 2040 chain
-2 2050 chain

Reduction sprock
and shaft
FP-B00428

Door & cross chain
sprocket ass'y & shaft
FP-B00430-1 2040 chain
-2 2050 chain

Idler on
motor shaft
FP-B00422

Motor
PA-B00295

Door & cross chain
sprocket ass'y & shaft
FP-B00426-1 2040 chain
-2 2050 chain

Cross chain tension
adj. sprocket
& shaft FP-B00429

Cross chain #41

Chain retainer
MM-A00023

Door chain 2040
or 2050 for wide doors

**FREIGHT DOOR OPERATOR**
MODEL 275
May 1977 to present
Door chain sprocket assembly & shaft
FP-B00426-1 (2040 chain) -2 (2050 chain)

Reduction Sprocket Assembly & shaft
FP-B00428

Motor
PA-B00295

#41 Chain

Motor shaft sprocket
FP-A00941A

DOOR CHAIN
2040 chain is standard
2050 chain is used on
very wide doors

DUAL FREIGHT
DOOR OPERATOR
Used when
door has motors
on 2 sides
May 1977 to present
REMOVE EXISTING CROSS-CHAIN.

REMOVE OLD IDLER UNIT & MOUNT NEW OPERATOR USING EXISTING MOUNTING HOLES IN RAIL.

USE 10½" OF OLD CROSS CHAIN & CHAIN THE OPERATOR INTERNALLY AS SHOWN (C). CHAIN FROM THE SMALL SPROCKET (A) ON THE REDUCTION UNIT TO THE LARGER SPROCKET (B) ON THE LOAD HUB.

CONNECT WIRE A1 ON NEW MOTOR TO WIRE A2 ON OLD MOTOR (A2 ON NEW TO A1 ON OLD). WE WANT TO REVERSE THE ROTATION OF THE NEW MOTOR, AS THE OPERATOR MOUNTING IS REVERSE.

CONVERSION INSTRUCTIONS
single motor to dual motors
R.H. shown.

2XC-186 is for standard interlocks only as used on freight elevator doors. If your locks are moisture proof, or explosion proof, or if the locks are on hatch gates or dumbwaiter doors, this assembly is not applicable.

TO ORDER,
Give "Hand", & Opening Height

SPRING
4X-139

CAM
MX-A00462-1 (RH)
-2 (LH)

PLUGPROOF BAR
ASSEMBLY
2XC-186

42
Complete Power Unit including Motor with Pulley, Power Pak and Mtg. Bracket

- 220V = P-21500
- 110V = P-16628

Order by Part Number and "Hand"

RETIRING CAM MOTOR
When ordering motors, please specify "Hand" & voltage.
This illustration is for reference only. Sheaves, sheave location and dead end hitch arrangements varied.

NOTE: This model reversing edge is obsolete. Most parts are no longer available. We suggest conversion to our new, all electronic reversing edge kit. There is no cable, no sprockets, sheaves or switches. Best of all, there is no adjustment. Call us for prices.
GP-A00916 "Bolt On" reversing edge

When ordering a reversing edge, it is best to provide a Guilbert job number (see page 1). This will enable us to duplicate the material using the original file. If a job number can not be found, then we need the "exact" length of the reversing edge. All reversing edges are not returnable, unless a correct job number is provided at the time the order is placed.
ZONE SWITCH BOX
A-55216

ZONE SWITCH COVER
A-55217
(NOT SHOWN)

CONTACT BLOCK
55147
(2 PER ASS'Y)

ACTUATOR W/BUTTON
55148

ZONE SWITCH
ASSEMBLY P-21620
INDEX

ENERGY EQUIPMENT

DUMBWAITERS AND RESIDENCE ELEVATORS

ARRIVAL LIGHT AND GONG, DOOR OPEN BUZZER------------------------ 1
ASTRAGAL - HATCH DOOR-------------------------------------------- 2
DOOR, CAR - MANUAL DUMBWAITER------------------------------------ 3
DOOR, HATCH - MANUAL DUMBWAITER---------------------------------- 4
CONTROLLER - 3 PHASE--------------------------------------------- 5
  3 PHASE - HEATER COILS & TRANSFORMERS--------------------------- 6
  SINGLE PHASE---------------------------------------------------- 7
GUIDE SHOES - CAR AND COUNTERWEIGHT----------------------------- 8
PUSHBUTTON STATION----------------------------------------------- 9
RETIRING CAM------------------------------------------------------ 10
SHEAVES - DRIVE AND DEFLECTOR----------------------------------- 11
SWITCHES---------------------------------------------------------- 12
CAR ARRIVAL LIGHT AND GONG

COMPLETE ASSEMBLY
25-800 (110V)
25-804 (24V)

Coil 110 vac
91-378

Coil 24 vac
91-380
comes w/gong
attached

Light socket
91-144

Bracket
47-251

Gong shell
91-378.1

Red lens
80-666

DOOR OPEN BUZZER
110V complete with mounting bracket
91-350
Complete safety astragal, as shown 30-600

When ordering a complete safety astragal or an astragal channel, it is advisable to give us the original ENERGY job number.

Spring replacement kit 30-601 is available.

Kit includes:

(2) springs 81-613
(4) rubber bumpers 81-824
(4) flatwashers 51-330
(2) hairpin clips 50-151
SHEAVE 35-801

RUBBER BUMPER 81-401

CHAIN 80-331
If this is an old job with #10 cable chain, order chain conversion kit 30-232

Gate contact 91-972

Gate astragal 81-409

Dumbwaiter

CAR DOOR

Bi-Parting

Manually Operated
CAUTION: PRIOR TO 1979, DOOR ON ENERGY DUMBWAITERS MAY HAVE BEEN OF ANY MANUFACTURE. IF DOOR IS NOT GUILBERT OF ENERGY, REFER TO THE DOOR MANUFACTURER FOR PARTS.
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>NAME</th>
<th>PART #</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Relay Socket</td>
<td>90-174</td>
</tr>
<tr>
<td>2</td>
<td>Reverse Phase Relay 220V</td>
<td>90-175</td>
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<tr>
<td>2</td>
<td>Reverse Phase Relay 440V</td>
<td>90-176</td>
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<tr>
<td>2</td>
<td>Reverse Phase Relay 575V</td>
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<td>Resistor 10K OHM</td>
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<td>3</td>
<td>Reversing Motor Starter</td>
<td>90-365</td>
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<tr>
<td>3a</td>
<td>Heater Coils</td>
<td>90-see next page</td>
</tr>
<tr>
<td>3b</td>
<td>Contactor, Retiring Cam Only</td>
<td>90-366</td>
</tr>
<tr>
<td>4</td>
<td>Auxiliary Contacts</td>
<td>90-367</td>
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<tr>
<td>5</td>
<td>Transformer</td>
<td>90-see next page</td>
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<tr>
<td>6</td>
<td>Fuses, Primary</td>
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<tr>
<td>7</td>
<td>Fuses, Secondary</td>
<td>Purchase locally</td>
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<tr>
<td>10</td>
<td>Terminals (3)</td>
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<tr>
<td>13</td>
<td>Relay Sockets</td>
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<tr>
<td>14</td>
<td>Timer 9 Sec.</td>
<td>90-101</td>
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<tr>
<td>14</td>
<td>Timer 90 Sec.</td>
<td>90-102</td>
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<tr>
<td>15</td>
<td>Relay</td>
<td>90-280</td>
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</table>
HEATER COILS & TRANSFORMERS
for 3 phase controllers

<table>
<thead>
<tr>
<th>Motor</th>
<th>HP</th>
<th>Voltage</th>
<th>Part #</th>
<th>Coil #</th>
<th>Installed</th>
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<tbody>
<tr>
<td>1/2</td>
<td>208</td>
<td>90-719</td>
<td>1021</td>
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<tr>
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<td>230</td>
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<td>1021</td>
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<td>460</td>
<td>90-713</td>
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<td>1</td>
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<td>3</td>
<td>575</td>
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</tbody>
</table>

TRANSFORMERS
Acme TA-1-81212  XFMR .150KVA 480-220/120  90-428
Edwards #592  110/16  90-454
Acme TA-1-81141  220-110/24vac 50va  90-455

3 PHASE CONTROLLER COMPONENTS
ITEM  | NAME                        | PART #  
--- | ----------------------------|----------
5   | Reversing Motor Starter     | 90-373   
6   | Thermal Overload Relay      | 90-233   
7   | Heater Coil                 | see chart below 
8   | Transformer                 | 90-455   
9   | Fuse Kit                    | 90-861   
11  | Fuse, Primary 1 Amp         | 90-817   
12  | Fuse, Secondary 3/4 Amp     | 90-816   
13  | Terminal Strip              | 90-844   
17  | Timer (T) 10 sec. 24 vac    | 90-103   
18  | Relay 24 vac                | 90-281   
19  | Timer (ST) 60 sec. 24 vac   | 90-104   
20  | Potential Relay             | 90-293   

**HEATER COILS**

<table>
<thead>
<tr>
<th>Motor HP</th>
<th>Voltage</th>
<th>Part #</th>
<th>Coil #</th>
<th>Installed</th>
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<tbody>
<tr>
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<td>115</td>
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<td>(H)</td>
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<td>1038</td>
<td>(H)</td>
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<tr>
<td>1</td>
<td>220</td>
<td>90-797</td>
<td>1031</td>
<td>(H)</td>
</tr>
</tbody>
</table>

**CONTROLLER**

Single Phase
CAR GUIDE SHOE
For closed type channel rail
Bronze 73-210

CAR GUIDE SHOE
For open type channel rail
Bronze 73-209

CAR GUIDE SHOE
For "T" rail
Bronze 73-231 has 7/16" slot
73-232 has 1/4" slot
73-235 has 1/16" slot

CAR GUIDE SHOE
For "T" rail
Nylon 80-631

COUNTERWEIGHT GUIDE SHOE
Bronze
73-220 For cwt to 24" long
73-225 For cwt 30" long NOT AVAL
Also used as a car guide shoe
on series 440 & 880 Dumbwaiters

THESE ARE THE ONLY GUIDE SHOES COURION HAS AVAILABLE FOR THE ENERGY DUMBWAITER CAR AND COUNTERWEIGHT.

GUIDE SHOES
Car and Counterweight
Complete stations and face plates are available. CALL US with complete information including the original Energy job number.

For car arrival lite and chime components, see separate page

Push button switches are blank. Indicator lens caps are available with any designation.

Round push button switches are obsolete and not available.

PUSHBUTTON STATION

Dumbwaiters
PUSH BUTTONS
Call & send or alarm (blank).
110V = 91-943
24V = 91-947

Indicator lens caps are available separately. Specify required designation.

Emergency "STOP" switch 24V = 91-953
"LIGHT" switch 24V = 91-954

INDICATOR LIGHT
110V = 91-161
24V = 91-165

Indicator lens caps are available separately. Specify required designation.
COMPLETE RETIRING CAM ASSEMBLY
87-201 Right hand
87-202 Left hand

POWER PACK 87-230

SOLENOID (Motor)
87-282 (RH)
87-281 (LH)

CAM LIFT ARM 87-250

LINKAGE ASS'Y 87-260

CAM FACE ASS'Y 87-240

DUMBWAITER
RETIRING CAM
WE WILL NEED THE FOLLOWING INFORMATION WHEN ORDERING:

(note: the casting number is NOT the part number)

1. BORE
2. KEYWAY
3. SHEAVE DIAMETER
4. CABLE SIZE
5. SINGLE OR DOUBLE GROOVE
6. "V" GROOVE FOR DRIVE SHEAVE
   "U" GROOVE FOR IDLER/DEFLECTOR SHEAVE
ASSORTED SWITCHES

491-972
Gate Contact

491-808
Limit Switch
Double Contact
1 N.O., 1 N.C.

491-820 Slack Cable Switch

491-851 Intermediate
Floor Limit Switch

491-869 Limit Switch
2 N.O., 2 N.C. Contacts

491-910
Car Light Switch

AS-1 Interlock
R.H.: IL-C0250-1
L.H.: IL-C0250-2

AS-1 Interlock
P-21688 Right Hand (shown)
P-21687 Left Hand

Access Door
Switch 91-959

ASSORTED SWITCHES