

## LIFT MAINTENANCE SCHEDULE

Visits p.a	Codes
2	S1, S2
3	S3, S4, S5
4	S3, S6, S7, S8
6	S3, S6, S7, S8, S7, S6
8	S3, S6, S7, S8, S7, S6, S7, S6
9	S3, S6, S7, S8, S7, S6, S7, S8, S7
10	S3, S6, S7, S8, S7, S6, S7, S8, S7, S6
11	S3, S6, S7, S8, S7, S6, S7, S8, S7, S6, S7
12	S3, S6, S7, S8, S7, S6, S7, S8, S7, S6, S7, S8

Works	S1	S2	S3	S4	S5	S6	S7	S8
1. Clean machine room & machine		✓		✓		✓		
2. Machine/hydraulic unit	✓		✓					✓
3. Lift motor & brushes	✓			✓			✓	
4. Generator & brushes	✓			✓			✓	
5. Controller	✓			✓		✓		
6. Overspeed governor/safety gear	✓		✓			✓		
7. Floor Selector		✓			✓	✓		
8. Top of lift car		✓			✓			✓
9. Car frame equipment		✓			✓			✓
10. Car entrance equipment	✓		✓				✓	
11. Rope, chains, pulleys & divertor wheels		✓	✓		✓		✓	
12. Counterweight		✓			✓			✓
13. Hoistway/limits/pit equipment		✓			✓		✓	
14. Pit area		✓		✓		✓		
15. Landing entrance equipment	✓		✓					✓
16. Signals/pushes		✓			✓		✓	
17. Car & landing door gaps	✓	✓	✓	✓	✓	✓	✓	✓
18. Fuses	✓		✓					
19. Lock inspection visit	✓		✓					

# Detailed Works Description

## PHASE ONE

MACHINE ROOM

CLEAN:

Machine room and machine

CHECK:

Guarding  
Lighting  
Access  
Doors/Locks  
Safety notices  
Wiring diagrams and information  
Log card  
Controller key  
Door release key  
Notice board

## PHASE TWO

ELECTRICAL MACHINE

CLEAN:

Motor brush gear

CHECK:

Motor clearances  
Electrical connections  
Motor bearings  
Oil levels and top up as necessary  
Worm and wheel, bearings and gland packing  
All sheaves for wear and rope slip  
Brake for correct adjustment  
Brake couplings, linings, fixing bolts and eyes  
Brake pins and lubricate as necessary  
Guarding  
Rope retention  
Brake switches

HYDRAULIC MACHINE

CHECK:

Oil level in tank  
Oil pressure on pressure gauge  
For oil leaks  
Electrical connections

## PHASE THREE

LIFT MOTOR AND BRUSHES

CHECK:

Brushes for wear and correct spring tension  
Motor commutators for undercutting or burning

## PHASE FOUR

GENERATOR AND BRUSHES

CLEAN:

Generator

CHECK:

Armature and rotator clearances  
Electrical connections  
Bearings and lubricate  
Commutators for undercutting and burning  
Brushes for wear and correct spring tension

## PHASE FIVE

CONTROLLER

CLEAN:

And adjust controller

CHECK:

Relay and switch connectors for tightness and flexibility  
Operation overloads  
Electrical connections  
Air gaps on switches

## PHASE SIX

OVERSPEED GOVERNOR/SAFETY GEAR

CLEAN:

And lubricate as necessary

CHECK:

Switches, cams, rollers and sheave  
Governor cover is secure

## PHASE SEVEN

FLOOR SELECTOR

CLEAN:

Adjust and lubricate as necessary

<p><b>PHASE EIGHT</b> TOP OF LIFT CAR</p>	<p>CLEAN: Clean and tidy</p> <p>CHECK: Lighting Switches Divertors/pulleys Rope attachments Top of car barrier</p>
<p><b>PHASE NINE</b> CAR FRAME EQUIPMENT</p>	<p>CLEAN: Car frame equipment</p> <p>CHECK: Safety operated switch Emergency switch All car limits/stop switches Load weighing switches Car guide shoes Safety gear Trailing flexes for wear Rope sheaves and lubricate as necessary Tape anchorages Isolation rubbers</p>
<p><b>PHASE TEN</b> CAR ENTRANCE EQUIPMENT</p>	<p>CLEAN: Car entrance equipment</p> <p>CHECK: Top track and hanger rollers Kicking rollers Aircords or chains for wear and tension Bottom track Leaves and pickets on manual gates Operator and control switches Flexible cables to reversal devices Electrical interlocks Door reversals</p>
<p><b>PHASE ELEVEN</b> ROPES/CHAINS AND DIVERTOR TOP WHEELS</p>	<p>EXAMINE: Ropes/chains for wear, broken wires and unequal tensions</p> <p>LUBRICATE: Rope/chains when necessary</p> <p>CHECK: Rope/chain hitches Top wheel bearings and lubricate as necessary</p>
<p><b>PHASE TWELVE</b> COUNTERWEIGHT</p>	<p>CLEAN: Counterweight</p> <p>CHECK: Guide shoes for wear Sheave and lubricate as necessary Safety gear Buffers</p>
<p><b>PHASE THIRTEEN</b> HOISTWAY/LIMITS/PIT EQUIPMENT</p>	<p>CLEAN: Guides and brackets</p> <p>CHECK: Limit switches Lubricate guides as necessary Upper limit switches Guide fixings and vanes Compensating rope sheave Lower limits All pit emergency stop switches For worn ram seals Empty overflow bottle as necessary Shaft lighting Position reference system/tape/magnets Shaft division screen</p>
<p><b>PHASE FOURTEEN</b> PIT AREA</p>	<p>CLEAN: Lift pit</p> <p>CHECK: Pit prop Counterweight guarding Buffers Pit and division screen</p>

## PHASE FIFTEEN

### LANDING ENTRANCE EQUIPMENT

CLEAN:	Landing entrance equipment
CHECK:	Top track and hanger rollers Kicking rollers Aircords or chains for wear and tension Lock contacts for condition and follow up Lock latching mechanism Lock rollers for wear and clearance Door closers/weights Bottom door guides Leaves and pickets on manual gates Door operators Emergency release functions Floor leveling accuracy

## PHASE SIXTEEN

### SIGNALS/PUSHES

CHECK:	Car alarm and autodialler Indicators and lamps Hall lanterns and gongs Hospital emergency service switch Operation of landing and car pushes Replace lamps as required Speech synthesis Firemans switch Emergency firemans operation
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## PHASE SEVENTEEN

### CAR AND LANDING DOOR GAPS

CHECK:	Clearance
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## PHASE EIGHTEEN

### FUSES

CLEAN & CHECK:	Fuses for correct type and rating, fuse holders and electrical connectors
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## PHASE NINETEEN

### LOCK INSPECTION VISIT

CHECK:	Emergency release key opens doors Mechanical locking Escutcheon plates Self closing mechanism
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## MIDLANDS

Concept House • Norton Canes Business Area • Jerome Road • Norton Canes • Cannock • Staffordshire • WS11 9UE  
Tel: 01543 273673 • Fax: 01543 273674

## NORTH WEST

8 Whitworth Court • Manor Farm Road • Manor Park • Runcorn • Cheshire • WA7 1WA  
Tel: 01928 594790 • Fax: 01928 594791



021080

[www.conceptelevators.co.uk](http://www.conceptelevators.co.uk)

Concept Elevators (Midlands) Ltd • Company Reg No: 3768278