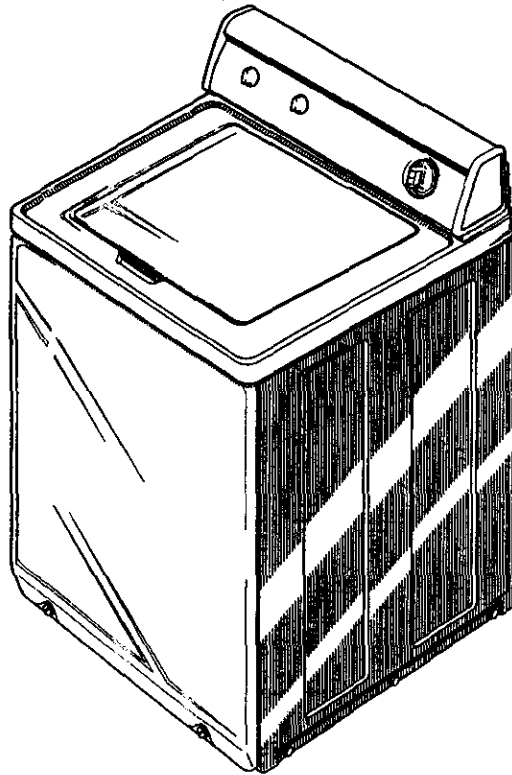


# Service

## Manual for Automatic Washers

Service Manual for  
Amana®



W424SE1A

This manual is to be used by qualified appliance technicians only. Amana does not assume any responsibility for property damage or personal injury for improper service procedures done by an unqualified person.

**Amana**

Models and manufacturing numbers in this manual

LWA50AL	PLWA50AL
LWA50AW	PLWA50AW
LWA65AL	PLWA65AL
LWA65AW	PLWA65AW
LWA90AL	PLWA90AL
LWA90AW	PLWA90AW
LWD67AL	PLWD67AL
LWD67AW	PLWD67AW
LWD70AL	PLWD70AL
LWD70AW	PLWD70AW

RS3100006  
Revision 1  
39011  
April 1999



# WARNING

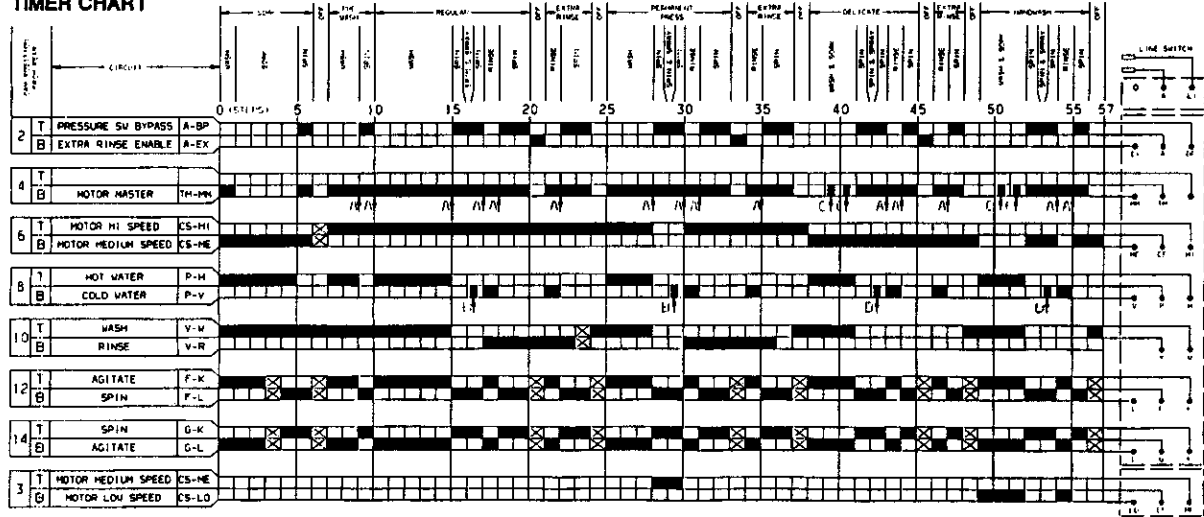
Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

MODELS LWD70A\*

11-9

## TIMER CHART



KEY

"A" MOTOR OFF APPROX. 24 SECONDS  
 "B" WATER ON APPROX. 24 SECONDS  
 "C" MOTOR ON APPROX. 24 SECONDS  
 "D" WATER ON APPROX. 22 SECONDS  
 ONE STEP EQUALS APPROX. 180 DEG

WIRE HOUSING WIRE POSITION

1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60

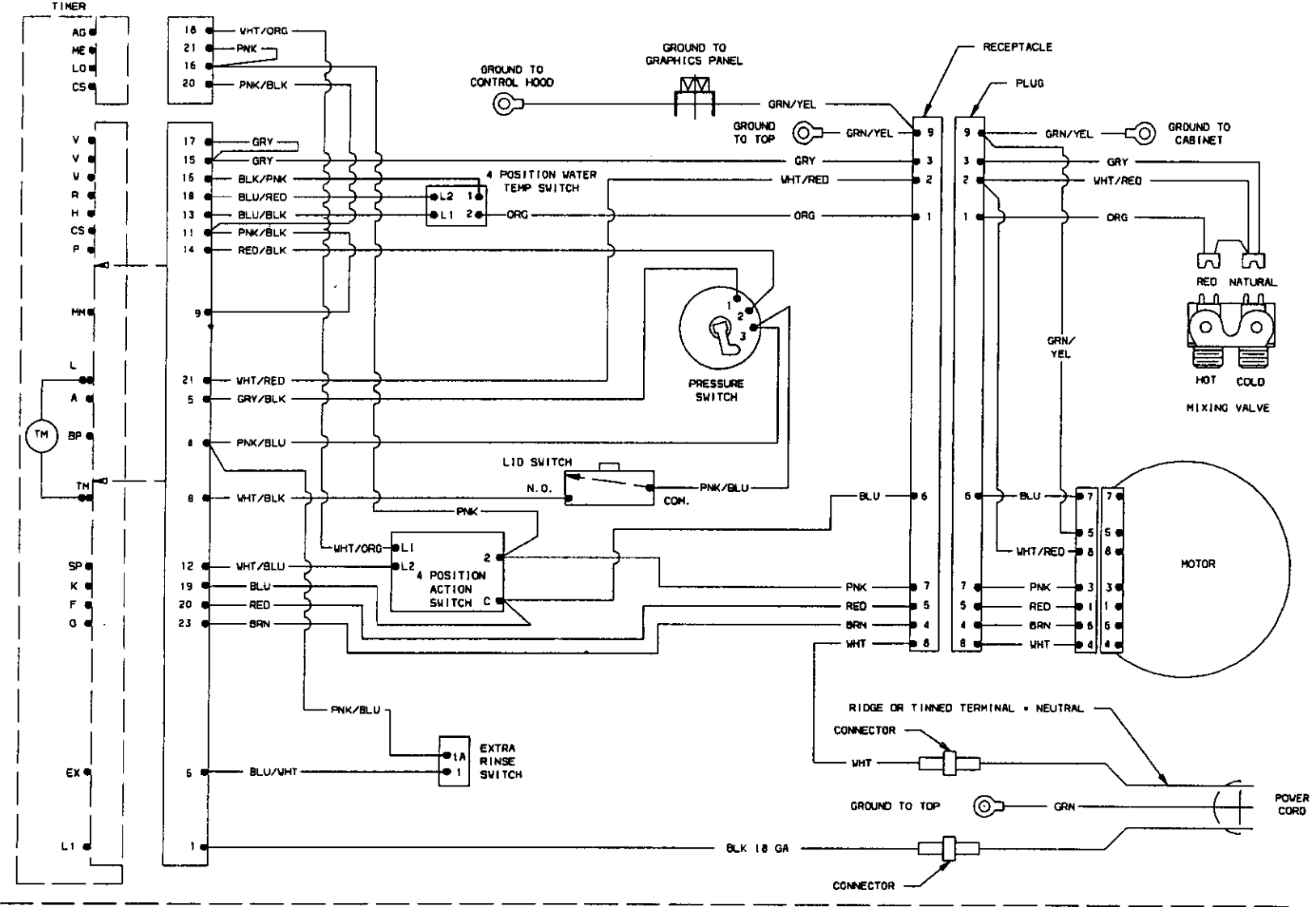
THIS MACHINE WHEN REPAIRED UNDER THE 60 HOUR IN THE FOLLOWING PATENTS: UNITED STATES NO. 2,918,874; 3,382,795; 3,460,740; 3,460,741; 3,460,742; 3,460,743; 3,460,744; 3,460,745; 3,460,746; 3,460,747; 3,460,748; 3,460,749; 3,460,750; 3,460,751; 3,460,752; 3,460,753; 3,460,754; 3,460,755; 3,460,756; 3,460,757; 3,460,758; 3,460,759; 3,460,760; 3,460,761; 3,460,762; 3,460,763; 3,460,764; 3,460,765; 3,460,766; 3,460,767; 3,460,768; 3,460,769; 3,460,770; 3,460,771; 3,460,772; 3,460,773; 3,460,774; 3,460,775; 3,460,776; 3,460,777; 3,460,778; 3,460,779; 3,460,780; 3,460,781; 3,460,782; 3,460,783; 3,460,784; 3,460,785; 3,460,786; 3,460,787; 3,460,788; 3,460,789; 3,460,790; 3,460,791; 3,460,792; 3,460,793; 3,460,794; 3,460,795; 3,460,796; 3,460,797; 3,460,798; 3,460,799; 3,460,800; 3,460,801; 3,460,802; 3,460,803; 3,460,804; 3,460,805; 3,460,806; 3,460,807; 3,460,808; 3,460,809; 3,460,810; 3,460,811; 3,460,812; 3,460,813; 3,460,814; 3,460,815; 3,460,816; 3,460,817; 3,460,818; 3,460,819; 3,460,820; 3,460,821; 3,460,822; 3,460,823; 3,460,824; 3,460,825; 3,460,826; 3,460,827; 3,460,828; 3,460,829; 3,460,830; 3,460,831; 3,460,832; 3,460,833; 3,460,834; 3,460,835; 3,460,836; 3,460,837; 3,460,838; 3,460,839; 3,460,840; 3,460,841; 3,460,842; 3,460,843; 3,460,844; 3,460,845; 3,460,846; 3,460,847; 3,460,848; 3,460,849; 3,460,850; 3,460,851; 3,460,852; 3,460,853; 3,460,854; 3,460,855; 3,460,856; 3,460,857; 3,460,858; 3,460,859; 3,460,860; 3,460,861; 3,460,862; 3,460,863; 3,460,864; 3,460,865; 3,460,866; 3,460,867; 3,460,868; 3,460,869; 3,460,870; 3,460,871; 3,460,872; 3,460,873; 3,460,874; 3,460,875; 3,460,876; 3,460,877; 3,460,878; 3,460,879; 3,460,880; 3,460,881; 3,460,882; 3,460,883; 3,460,884; 3,460,885; 3,460,886; 3,460,887; 3,460,888; 3,460,889; 3,460,890; 3,460,891; 3,460,892; 3,460,893; 3,460,894; 3,460,895; 3,460,896; 3,460,897; 3,460,898; 3,460,899; 3,460,900; 3,460,901; 3,460,902; 3,460,903; 3,460,904; 3,460,905; 3,460,906; 3,460,907; 3,460,908; 3,460,909; 3,460,910; 3,460,911; 3,460,912; 3,460,913; 3,460,914; 3,460,915; 3,460,916; 3,460,917; 3,460,918; 3,460,919; 3,460,920; 3,460,921; 3,460,922; 3,460,923; 3,460,924; 3,460,925; 3,460,926; 3,460,927; 3,460,928; 3,460,929; 3,460,930; 3,460,931; 3,460,932; 3,460,933; 3,460,934; 3,460,935; 3,460,936; 3,460,937; 3,460,938; 3,460,939; 3,460,940; 3,460,941; 3,460,942; 3,460,943; 3,460,944; 3,460,945; 3,460,946; 3,460,947; 3,460,948; 3,460,949; 3,460,950; 3,460,951; 3,460,952; 3,460,953; 3,460,954; 3,460,955; 3,460,956; 3,460,957; 3,460,958; 3,460,959; 3,460,960; 3,460,961; 3,460,962; 3,460,963; 3,460,964; 3,460,965; 3,460,966; 3,460,967; 3,460,968; 3,460,969; 3,460,970; 3,460,971; 3,460,972; 3,460,973; 3,460,974; 3,460,975; 3,460,976; 3,460,977; 3,460,978; 3,460,979; 3,460,980; 3,460,981; 3,460,982; 3,460,983; 3,460,984; 3,460,985; 3,460,986; 3,460,987; 3,460,988; 3,460,989; 3,460,990; 3,460,991; 3,460,992; 3,460,993; 3,460,994; 3,460,995; 3,460,996; 3,460,997; 3,460,998; 3,460,999; 3,460,1000.

□ CONTACT IS OPEN  
 ■ CONTACT IS CLOSED  
 ⊗ CONTACT IS CLOSED UNDER POWER

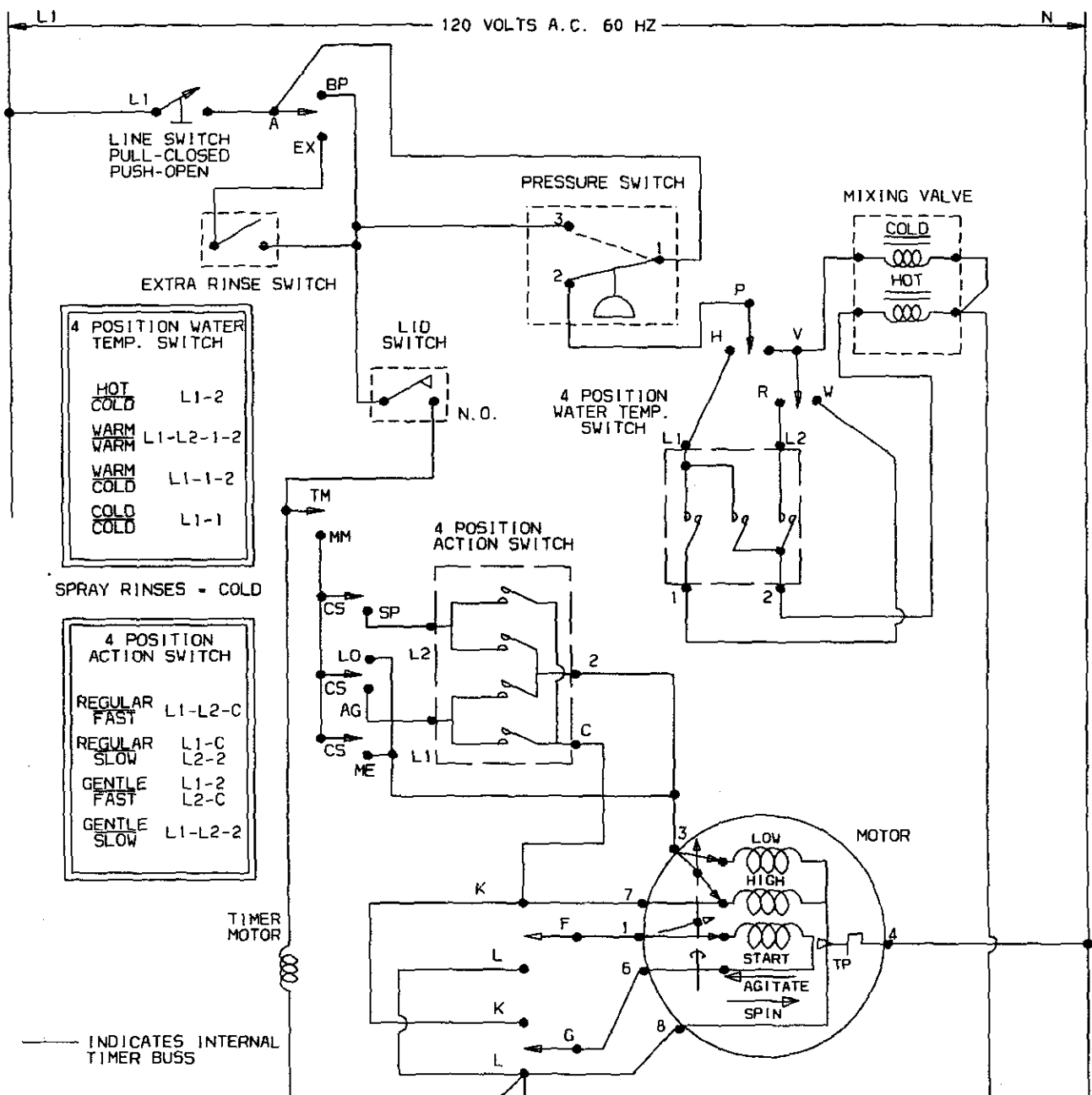
WIRE HOUSING WIRE POSITION

MODELS LW65A\*, LW67A\*

# CONNECTION DIAGRAM



# SCHEMATIC



**WARNING**

**Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.**

W030

MODELS LWA65A\*, LWD67A\*

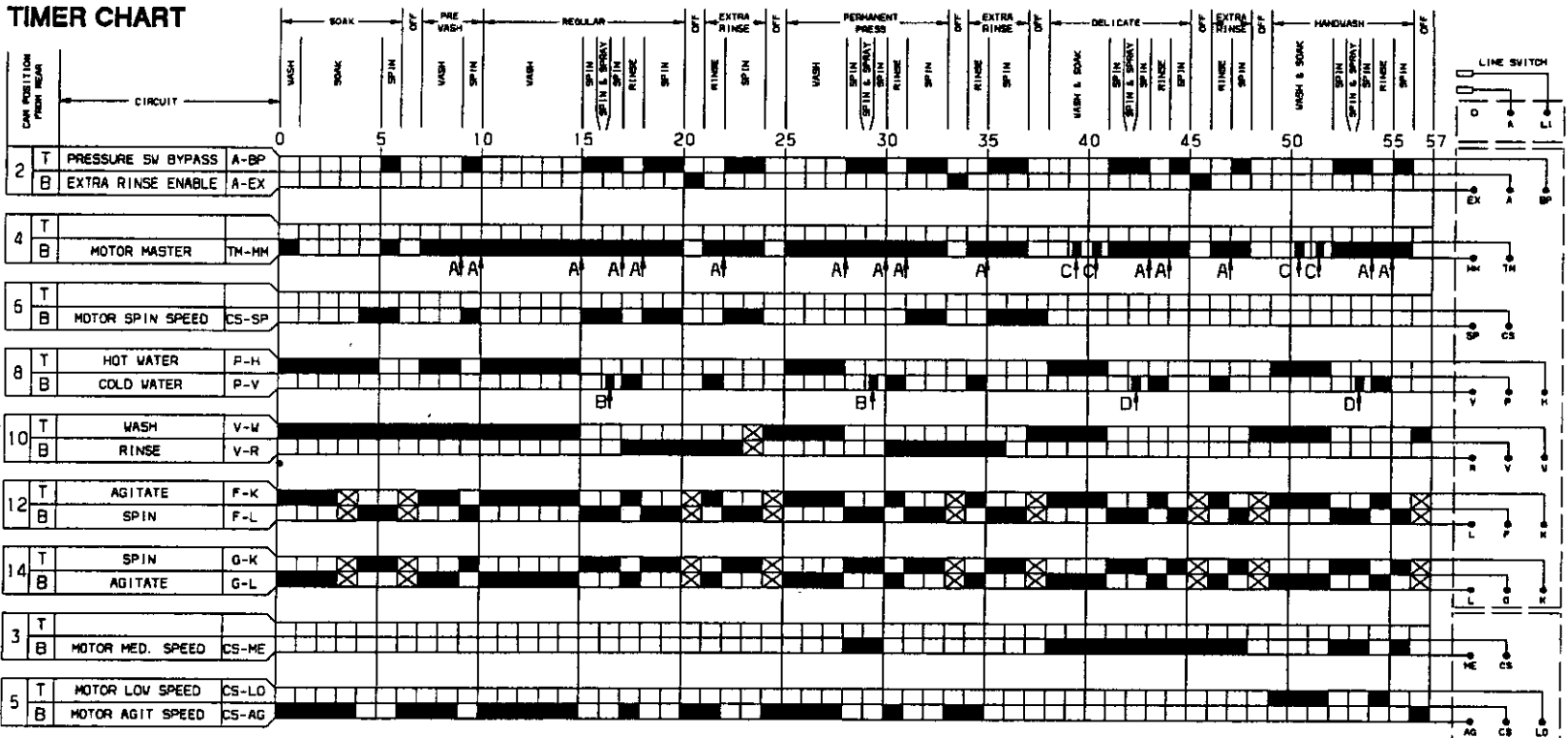
11-11

RS310006 (39011)  
Rev. 0

MODELS LWA65A\*, LWD67A\*

11-12

TIMER CHART



BLACK HOUSING WIRE POSITION

3	2	1
BLU/ WHT	GRY/ BLK	BLK
5	4	
PKL/ BLK	PKL/ BLK	
9	8	7
PKL/ BLK	WHT/ BLK	
12	11	10
WHT/ BLK	PKL/ BLK	
15	14	13
GRY	RED/ BLK	BLK/ BLK
16	17	18
BLU/ RED	GRY	PKL/ PKL
21	20	19
WHT/ RED	RED	BLU
24	23	22
	BRN	
21	20	19
PKL	PKL/ BLK	
16	17	18
WHT/ GRN		PKL

WHITE HOUSING WIRE POSITION

- NOTES:
- \*A MOTOR OFF APPROX. 24 SECONDS
  - \*B MOTOR ON APPROX. 24 SECONDS
  - \*C MOTOR ON APPROX. 24 SECONDS
  - \*D MOTOR ON APPROX. 22 SECONDS
  - \*E MOTOR ON APPROX. 1.80 SEC

**▲ WARNING**  
 FAILURE TO FOLLOW THE INSTRUCTIONS  
 AND WARNINGS on this appliance may  
 result in death, serious injury, or  
 property damage. Read and follow the  
 instructions and warnings on the product  
 label and on the product literature.  
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THIS MACHINE MANUFACTURED  
 UNDER ONE OR MORE OF THE  
 FOLLOWING PATENTS:  
 UNITED STATES NO. 3,253,974,  
 3,829,795; 3,646,642  
 CANADIAN NO. 1,009,285,  
 994,146  
 OTHER PATENTS PENDING

- CONTACTS OPEN
  - CONTACTS CLOSED
  - CONTACTS CAN BE OPEN OR CLOSED
- NOTE: CS-ME AND CS-LO CONTACTS BOTH CONNECT TO LOW SPEED MOTOR WINDINGS ON THIS MODEL.

PART NO. 39818

# Notes

