

1245

UNIVERSAL INDUSTRIES, INC.

DWG. NO. 522-B-90

WINNER

SPINNER MOTOR SWITCH CHART

CODE	
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
M.B.	MAKE AND BREAK

SWITCHES ARE NUMBERED FROM THE FRAME UP.

SWITCH NO.	SWITCH TYPE	WIRE COLORS	FUNCTION OF SWITCH
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2 CAM 1 400 to 1 IMPULSER

SWITCH 1	M.B.	N.C.	Orange-Red	Opens entry flash release coil.
		N.O.	Orange-Green	
			Orange-Green	Step up 400 to 1 unit.
			Orange-Black	

3 CAM 2 REPLAY TAKEOFF

SWITCH 1	N.O.	White-Green	Replay Reset Switch.
		White-Blue	
SWITCH 2	N.O.	Yellow	Energizes odds advance coil to odds control relay.
		White-Brown	

CAM 3 MIXER RELEASE CAM

CAM 4 FLOATING MIXER

4 CAM 5 SEQUENCE INDEX CAM

SWITCH 1	N.O.	Red	ABCD Step Up NOT actuated by Cam.
		Green-Red	

6 START

SWITCH 1	N.C.	Red	Feeds entry push button.
		Yellow-Black	
SWITCH 2	N.C.	Red	Start Relay Lockin.
		Brown-Green	
		Red-White	

SWITCH 2	N.O.	Yellow White-Brown	Energizes odds advance coil to odds control relay.
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CAM 3 MIXER RELEASE CAM

CAM 4 FLOATING MIXER

CAM 5 SEQUENCE INDEX CAM

SWITCH 1	N.O.	Red Green-Red	ABCD Step Up NOT actuated by Cam.
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CAM 6 START

SWITCH 1	N.C.	Red Yellow-Black	Feeds entry push button.
SWITCH 2	N.C.	Red Brown-Green	Start Relay Lockin.
SWITCH 3	N.C.	Red-White Black-Brown	Odds 1 Step Relay Lockin.

CAM 7 C-2 SPINNER

SWITCH 1	N.O.	Red-White Blue	Controls Feature Lite.
SWITCH 2	N.C.	Brown-Green Brown-White	Odds Control Relay Feed.
SWITCH 3	N.C.	Red Blue-Red	3rd Odds Relay Lockin.

CAM 8 SELECTION CONTROL

SWITCH 1	N.O.	Yellow Yellow-Green	Feeds Selection Release Coil thru Entry Relay Sw. 2
SWITCH 2	N.O.	Orange-Green Yellow	Feeds Entry Flash Release Coil thru Cam 1 & 400-1 S. U.
SWITCH 3	N.O.	Orange-Black Orange-White	Feeds Odds Reset thru Daily Double Relay Sw. 3

CAM 9 ALTERNATOR

SWITCH 1	N.O.	Yellow Blue-Red	Feeds Cam 9 Relay
SWITCH 3	N.O.	Blue-Yellow Blue-Green	Controls Odds Advance in Parallel with ABCD Step-Up.

CAM 10 RESET

SWITCH 1	N.O.	Green-Red Red	Energizes 8-1 Index Release Coil.
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9
CAM 10 RESET

SWITCH 1	N.O.	Green-Red Red	Energizes 8-1 Index Release Coil.
SWITCH 2	N.O.	Red Black-Yellow	Pulls in Entry Flash Relay thru Entry Relay Switch 2.
SWITCH 3	N.C.	Gray-White Orange-White	Feed 3rd Odds Relay

10
CAM 11 START

SWITCH 1	M.B. { N.O. N.C.	Green-Yellow Green-Brown Green-Brown Green-Red	Completes Circuit to Tilt Relay. Commutator to Score Relay.
SWITCH 2	N.C.	Brown-Green Brown-Red	Feeds Entry Flash Disc from Entry Flash Switch 2, thru Adjustment Plug.

11
CAM 12 8-1 INDEXER

SWITCH 1	N.C.	Gray-White Gray-Black	Entry Flash Adjustment Control.
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12
CAM 13

SWITCH 1	N.O.	Green-White Yellow-Green	Controls Score Counter thru 8th to 10th Odds Pos.
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13
CAM 14 REPLAY

SWITCH 1	N.O.	Green-White Yellow-Red	Feeds Score Counter thru 1 to 5 Odds Pos.
SWITCH 2	N.O.	Green-White Brown-Yellow	Replay Step Up thru Replay Relay Sw. 4
SWITCH 3	N.O.	Blue White-Black	110 Volts to Door.
SWITCH 4	N.O.	White-Red Red-White	Replay Locking Circuit thru Replay Relay Sw. 1

14
CAM 15 SCORE INDEX CAM

CAM 16 REPLAY

SWITCH 1	N.O.	Green-White Yellow-Red	In Parallel with Sw. 1 on Cam 14.
SWITCH 2	N.O.	Green-White Brown-Yellow	In Parallel with Sw. 2 on Cam 14.
SWITCH 3	N.O.	Blue Black-White	110 Volts to Door.
SWITCH 4	N.O.	Green-White Red-Blue	Score Counter thru 6th & 7th Odds Pos.

14

CAM 16 REPLAY

SWITCH 1	N.O.	Green-White Yellow-Red	In Parallel with Sw. 1 on Cam 14.
SWITCH 2	N.O.	Green-White Brown-Yellow	In Parallel with Sw. 2 on Cam 14.
SWITCH 3	N.O.	Blue Black-White	110 Volts to Door.
SWITCH 4	N.O.	Green-White Red-Blue	Score Counter thru 6th & 7th Odds Pos.

15

