ARC ADJUSTMENTS

All I-40 group adjustable heads are preset to approximately 180°. Sprinklers may be adjusted with water on or off. It is recommended that initial adjustment be made before installation.

1. Using the palm of your hand, rotate the nozzle turret counterclockwise to left stop to complete any interrupted rotation cycle. (Fig. 1).

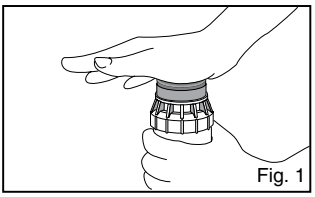


Fig. 1

2. Rotate the nozzle turret clockwise to right stop. This is the fixed side of the arc. The nozzle turret must be held in this position for all arc adjustments.

To Increase Arc

1. Insert the key end of the Hunter wrench into the adjustment socket (Figs. 2 & 3).

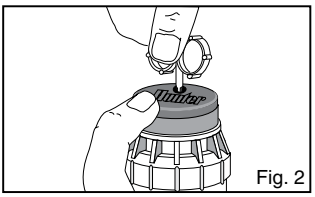


Fig. 2

2. While holding the nozzle turret at the right stop, turn the wrench clockwise. Each 360° turn of the wrench increases the arc 45°.
3. Adjust to any arc between 50° and 360°.
4. Wrench will stop turning, or there will be a ratcheting noise, when the maximum arc (360°) is reached.
5. When set to 360°, the sprinkler will rotate continually counter-clockwise.

To Decrease Arc

1. Insert the key end of the Hunter wrench into the adjustment socket (Figs. 2 & 3).
2. While holding the nozzle turret at the right stop, turn the wrench counterclockwise. Each 360° turn of the wrench decreases the arc 45°.
3. Adjust to any arc between 50° and 360°.
4. Wrench will stop turning, or there will be a ratcheting noise, when the minimum arc (40°) is reached.

Radius Adjustment

Insert the hex end of the Hunter wrench into the nozzle-retainer/range-adjustment screw (Figs. 2 & 3). Turn the screw clockwise into the stream of water to decrease the radius, or counter-clockwise to increase the radius.

Precipitation Rate Adjustment

Where excessively wet or dry areas are a problem, the precipitation rate may be adjusted. Simply replace the existing nozzle with a larger one to increase, or a smaller one to decrease the rate of precipitation.

Nozzle Installation

1. Insert the key end of the Hunter wrench into the lifting socket of a pop-up sprinkler. Pull the riser up to gain access to the nozzle socket.
2. Using the Hunter wrench, loosen the nozzle-retainer/range-adjustment screw. If a nozzle is already installed in the sprinkler, it may now be removed by briefly turning on the water.
3. Discard nozzle if removed with pliers. Slip the desired nozzle into the nozzle socket. Note that the socket is angled up 25° (see Fig. 4). Tighten the nozzle-retainer/ range-adjustment screw.

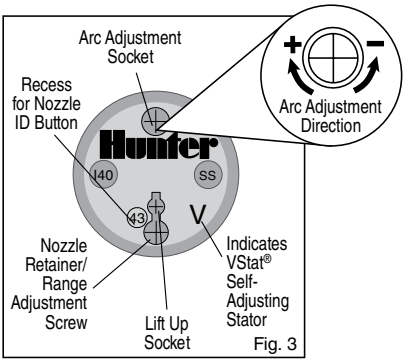


Fig. 3

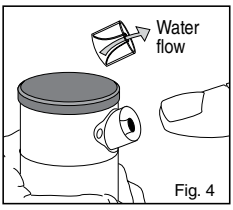


Fig. 4

P/N 700593 LIT-470 9/08

I-40 *Ultra* Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr ■	Precip in/hr ▲
40	40	45'	7.0	0.67	0.77
	50	46'	8.0	0.73	0.84
	60	46'	8.5	0.77	0.89
41	50	50'	10.2	0.79	0.91
	60	51'	11.1	0.82	0.95
	70	52'	12.1	0.86	0.99
	80	53'	13.0	0.89	1.03
42	50	51'	11.0	0.81	0.94
	60	53'	12.3	0.84	0.97
	70	55'	13.1	0.83	0.96
	80	56'	13.9	0.85	0.99
43	50	56'	13.5	0.83	0.96
	60	57'	15.1	0.89	1.03
	70	59'	16.1	0.89	1.03
	80	61'	17.5	0.91	1.05
44	60	63'	20.0	0.97	1.12
	70	65'	21.8	0.99	1.15
	80	66'	23.4	1.03	1.19
	90	67'	24.9	1.07	1.23
45	60	66'	22.7	1.00	1.16
	70	68'	24.7	1.03	1.19
	80	69'	26.4	1.07	1.23
	90	70'	28.2	1.11	1.28

I-40 *Ultra* High Speeed Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr ■	Precip in/hr ▲
40	40	41'	7.0	0.80	0.93
	50	42'	8.0	0.87	1.01
	60	42'	8.5	0.93	1.07
41	50	44'	10.2	1.01	1.17
	60	44'	11.1	1.10	1.27
	70	45'	12.1	1.15	1.33
	80	46'	13.0	1.18	1.37
42	50	46'	11.0	1.00	1.16
	60	47'	12.3	1.07	1.24
	70	49'	13.1	1.05	1.21
	80	50'	13.9	1.07	1.24
43	50	51'	13.5	1.00	1.15
	60	52'	15.1	1.07	1.24
	70	52'	16.1	1.15	1.32
	80	53'	17.5	1.20	1.38
44	60	58'	20.0	1.14	1.32
	70	58'	21.8	1.25	1.44
	80	60'	23.4	1.25	1.44
	90	60'	24.9	1.33	1.54
45	60	60'	22.7	1.21	1.40
	70	62'	24.7	1.24	1.43
	80	64'	26.4	1.24	1.43
	90	65'	28.2	1.28	1.48

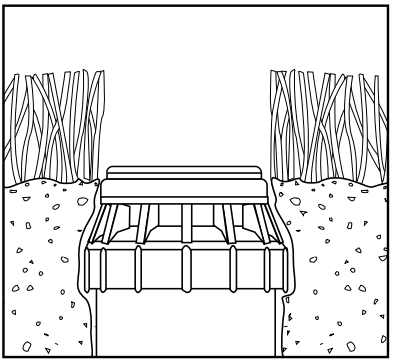
I-40 *Ultra* Dual Opposing Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr ■	Precip in/hr ▲
15 Gray	50	52'	13.0	0.46	0.53
	60	54'	13.2	0.44	0.50
	70	56'	14.4	0.44	0.51
	80	57'	15.5	0.46	0.53
18 Red	50	58'	13.7	0.39	0.45
	60	59'	15.2	0.42	0.49
	70	60'	16.6	0.44	0.51
	80	62'	17.8	0.45	0.51
20 Dk. Brown	60	63'	19.1	0.46	0.53
	70	64'	20.9	0.49	0.57
	80	66'	22.3	0.49	0.57
	90	66'	23.9	0.53	0.61
23 Dk. Green	60	65'	20.4	0.46	0.54
	70	66'	22.3	0.49	0.57
	80	67'	24.0	0.51	0.59
	90	68'	25.6	0.53	0.62
25 Dk. Blue*	60	66'	22.0	0.49	0.56
	70	68'	24.0	0.50	0.58
	80	69'	25.9	0.52	0.60
	90	70'	27.2	0.53	0.62
28 Black	70	70'	28.9	0.57	0.66
	80	72'	30.9	0.57	0.66
	90	74'	32.9	0.58	0.67
	100	76'	33.7	0.56	0.65

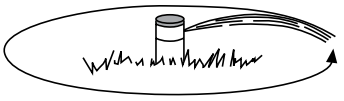
* Factory-installed nozzle

Note: All precipitation rates are calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2. Precipitation rates for the ON model are calculated at 360 degrees.

CORRECT INSTALLATION

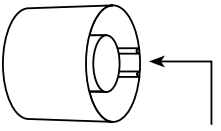


FULL CIRCLE ROTATION SPEED



I-40 Ultra = 3 minutes (approx.)
I-40 Ultra High Speed = 1 minute (approx.)

IDENTIFYING NOZZLE NUMBERS



Each nozzle can be identified by the number of raised ridges on the inside surface of the nozzle.

Example: 2 ridges = # 42 nozzle