



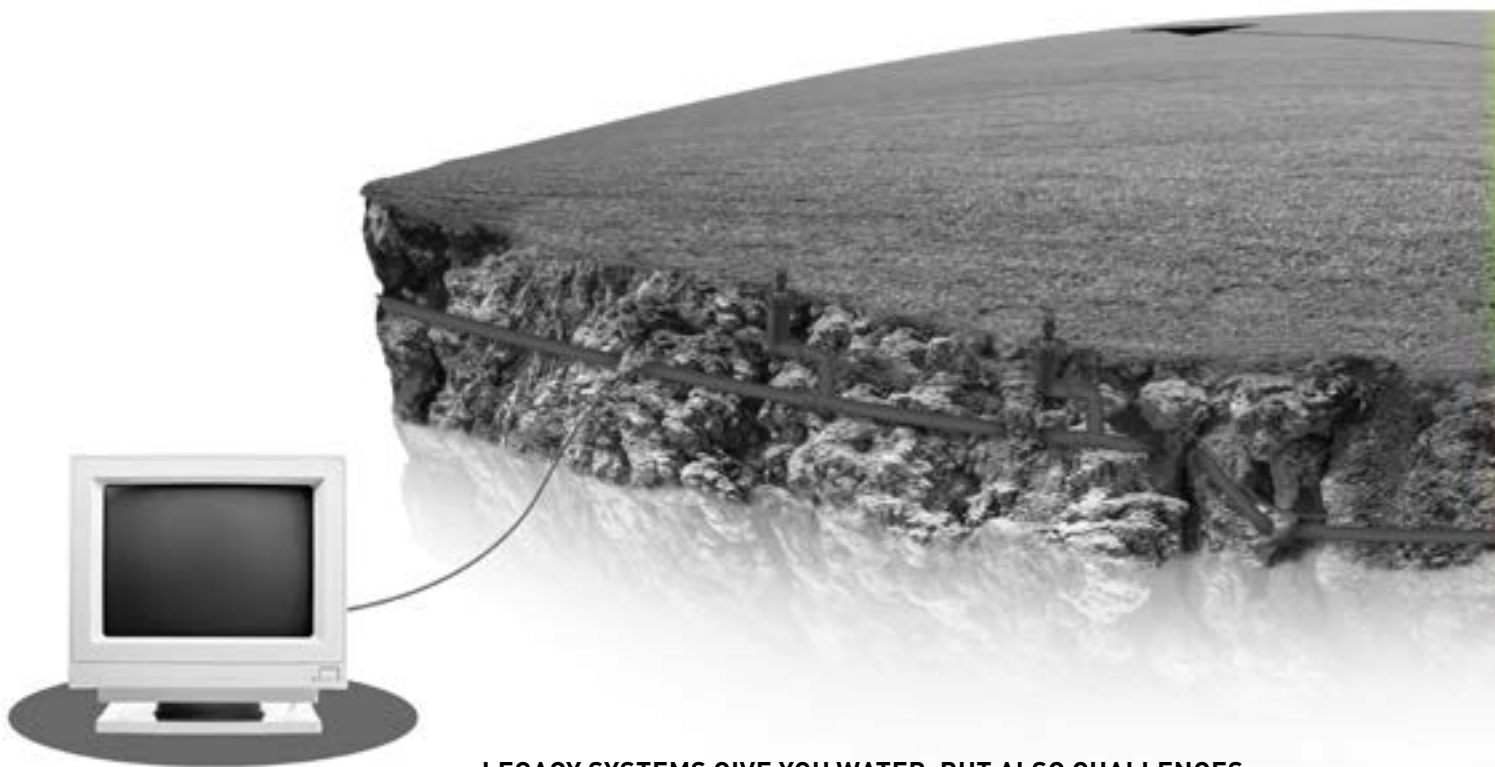
**TURN OLD IRRIGATION  
INTO TORO INNOVATION.**





# TURN OLD **IRRIGATION**

**Traditional wired irrigation systems waste water and offer limited feedback and control. They're also hard to maintain and costly to upgrade.**



## **LEGACY SYSTEMS GIVE YOU WATER, BUT ALSO CHALLENGES.**

While traditional systems deliver water, they can't deliver it precisely resulting in overwatering and waste. Older control technology also offers poor control and limited feedback on system performance, meaning that maintenance is less efficient. Up until now, the only solution has been to upgrade or replace the system entirely, both involving significant cost and disruption.



# INTO **TORO** **INNOVATION**

A new concept in golf course renovation,  
Toro's Lynx® LAC turns legacy wired  
irrigation systems into something  
brilliant, new and totally sustainable.



COMPATIBILITY



EASE



TIMESCALES



COST



## **LYNX LAC PUTS POWER AT YOUR FINGERTIPS.**

Delivering superior diagnostics and reporting, it helps you simplify maintenance and manage courses more efficiently. It also allows you to control water to the second, improving conservation and the performance of turf. And with Toro's on-going innovation, you can continuously evolve and upgrade your system in line with future developments – today, tomorrow, forever.

**Whatever your existing technology, timescales and budgets,  
Lynx LAC empowers you to realise your vision for better golf.**

# THE CASE FOR TORO.

**With over 100 years' experience and a presence in over 125 countries, Toro is the world's leading provider of irrigation and turf maintenance equipment.**

In 1964, we introduced our first irrigation system to St. Andrews' and have steadily built on our expertise in the golfing sector. Since 2013, some 70% of new course construction projects have been awarded to Toro, and we are the only brand whose expertise spans both golf irrigation and machinery. Our core strengths lie in innovation, reliability and durability. Golf courses the world over trust Toro to deliver solutions that work.



100+

years experience  
in the industry

125

countries use  
our products



# WORLD-CLASS IRRIGATION – TOTAL CONTROL, IN YOUR HANDS.

**Toro continuously invests in new product development including Lynx® – the world's most powerful irrigation control system.**

Lynx has transformed golf course irrigation and is established as the definitive market leader. Until now, Lynx has only been compatible with Toro equipment. With Lynx LAC, it can be deployed on all legacy wired systems, bringing the powerful benefits of Toro's Lynx platform within easy reach – including the ability to control irrigation from a desk-top or mobile device.

**1966**

was the year of our  
first irrigation system

**70%**

of new irrigation  
projects are Toro

# GOLF'S LEADING IRRIGATION CONTROL SYSTEM.

Putting control, power and precision at your fingertips, Lynx® Central Control represents state-of-the-art technology for golf course irrigation. A smart and sophisticated system backed up with expert 24/7 support, it's easy to set-up and use, wherever you are, whenever you need it.



## TOTAL CONTROL

Through the Lynx interface and best-in-class map graphics, you can see and control every sprinkler individually or in groups, and program them to water by time, volume or rainfall.



## USER-FRIENDLY

Lynx puts the whole course at your fingertips with the industry's most intuitive and user-friendly interface.



## FUTURE-PROOFED

Toro technology is designed for easy, free upgrades; so when you invest in Lynx, you also invest in the future.



## CLASS-LEADING DIAGNOSTICS

Toro Lynx delivers alerts and information, highlighting issues, accelerating decision-making and reducing maintenance and downtime.



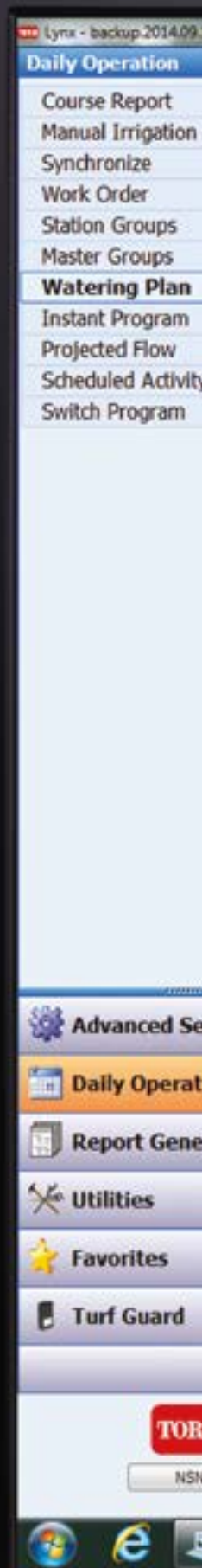
## ACCURACY AND PRECISION

Lynx controls sprinkler run-times to within +/- 1 second tolerance, helping optimise turf while reducing the amount of water you use by up to 10%.



## LYNX CLOUD



Provides maximum mobility and enables system updates and adjustments to be made from anywhere, via smartphone, tablet or any connected device.





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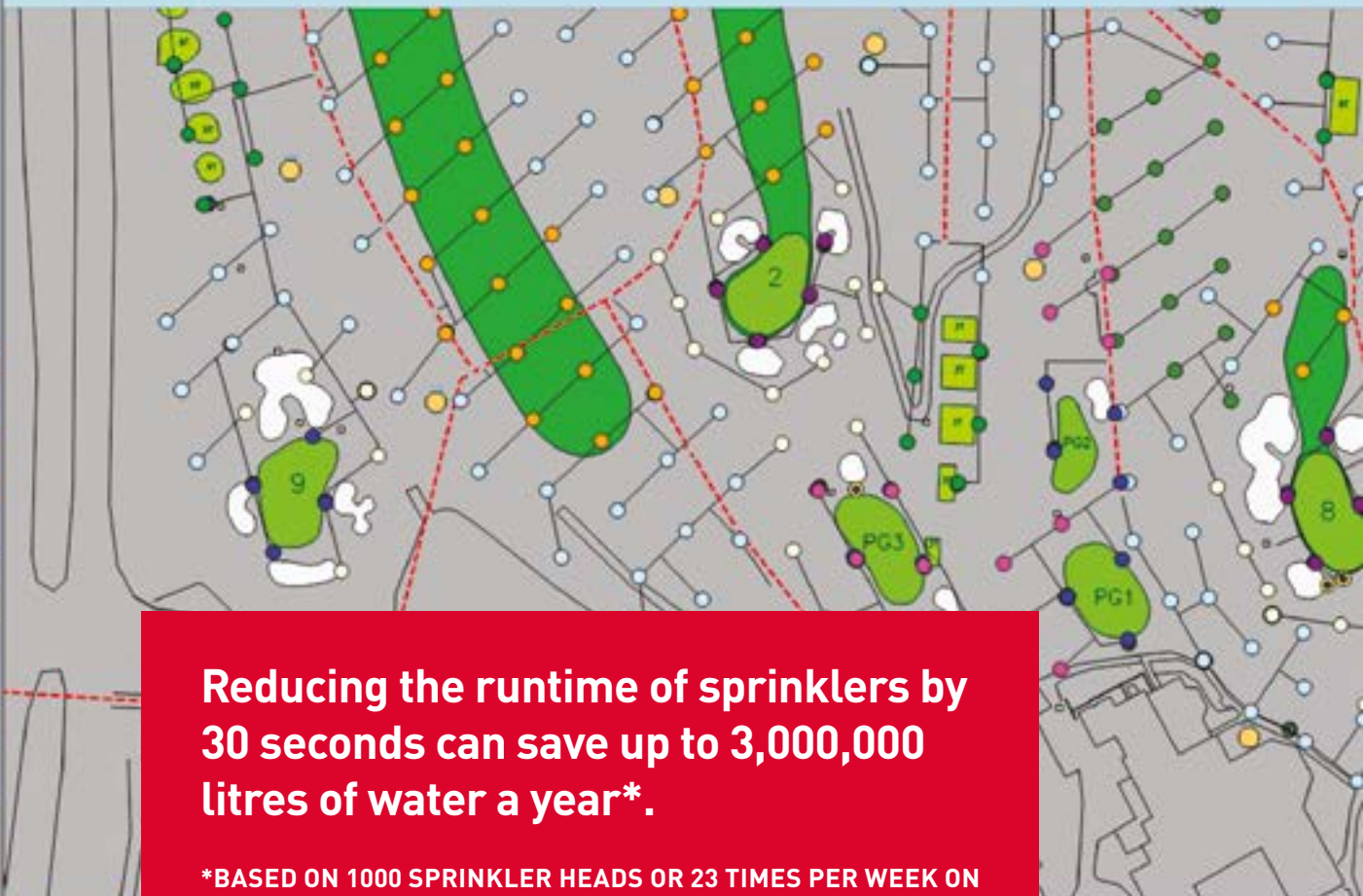
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Lake   Temp: -- Wind: -- Humidity: -- Rainfall: -- ET 24: --

Site: Adjust: 100 % Course: Lake Adjust: 100 % Search By Hardware Address: Find 0 0 0 Start Time Shift: 0 min

Program	#	Δ	On	Auto Cycle	Last RT	Next RT	Adj. RT	Last Amt.	Next Amt.	Adj. Amt.	Pct. Adjust	Start Time	Prior
Greens	1			<input checked="" type="checkbox"/>	6/31	6/31	5/31	0.35	0.35	0.25/0.49	100	5:45 AM	A
Tees	2			<input checked="" type="checkbox"/>	1/4	1/4	0/5	0.04	0.04	0.01/0.08	100	11:00 PM	A
Fairways	4			<input type="checkbox"/>	3	3	2/5	0.02/0.09	0.02/0.09	0.02/0.09	100	1:00 AM	A
Surrounds	5			<input checked="" type="checkbox"/>	1/4	1/4	1/4	0.04	0.04	0.03/0.06	100	10:00 PM	A
Greens Rough	6			<input type="checkbox"/>	0	0	0:00	0.00	0.00	0.00	100	10:00 PM	A
Rough	7			<input type="checkbox"/>	3	3	1/14	0.00/0.09	0.00/0.09	0.00/0.25	100	10:30 PM	A
Natives	8			<input checked="" type="checkbox"/>	6	6	3/9	0.09/0.17	0.09/0.17	0.04/0.17	100	1:00 AM	A
Bunkers	9			<input type="checkbox"/>	60	60	59:56	0.93	0.93	0.93	100	4:00 AM	A
Titos Lawns	10			<input type="checkbox"/>	10	10	10:00	0.15	0.15	0.15	100	5:00 AM	A
Practice Surrou	17			<input type="checkbox"/>	6	6	2/9	0.06/0.09	0.06/0.09	0.01/0.09	100	5:00 AM	A
Humphrey Dr	18			<input type="checkbox"/>	75	75	75/94	0.10	0.10	0.10/0.13	100	11:00 PM	A
Apps and Coll. Ares	101			<input type="checkbox"/>	4/15	4/15	3/15	0.07/0.18	0.07/0.18	0.05/0.18	100	4:00 AM	A
Tree Shadows	102			<input type="checkbox"/>	3	3	2/4	0.02/0.09	0.02/0.09	0.02/0.09	100	9:30 PM	A
Greens- Light Water	103			<input checked="" type="checkbox"/>	3	3	3:00	0.03/0.18	0.03/0.18	0.03/0.18	100	6:15 AM	A

Draw a rectangle on the map to zoom to a specific area.



**Reducing the runtime of sprinklers by 30 seconds can save up to 3,000,000 litres of water a year\*.**

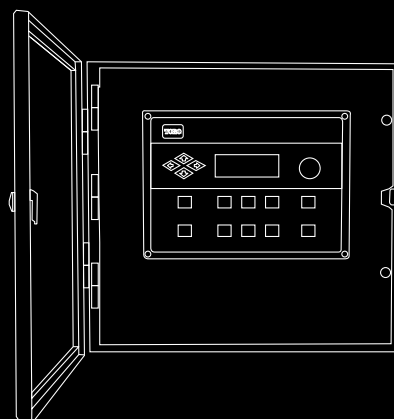
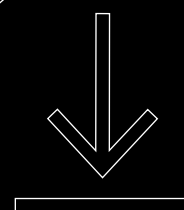
**\*BASED ON 1000 SPRINKLER HEADS OR 23 TIMES PER WEEK ON AN 18 -HOLE COURSE.**



# TRANSFORMING YOUR COURSE IRRIGATION IN **THREE EASY STEPS.**

Install Lynx® and the  
Lynx Smart Hub.

1



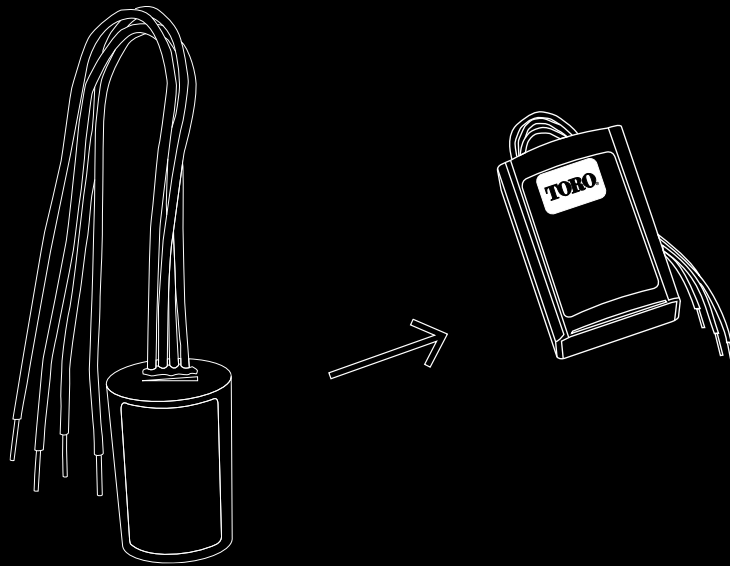
**\*WHEN MIGRATING FROM SOME LEGACY SYSTEMS,**

you can replace your existing decoders one at a time,  
green by green, section by section, or all at once...  
the choice is yours.

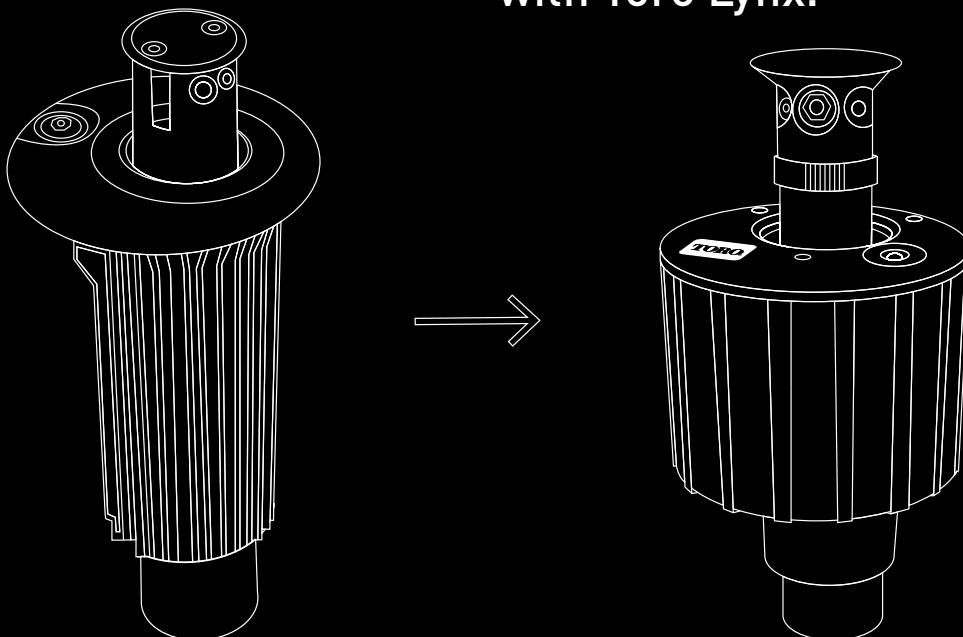
**Ask your distributor for an appraisal.**



- 2** Replace all existing decoders with Lynx LAC decoders, without changing cables and pipes.\*



- 3** Migrate to more advanced Toro sprinklers at your own pace and enjoy watering by the second with Toro Lynx.



A wide-angle photograph of a lush green golf course under a blue sky with wispy clouds. In the middle ground, several large, mature trees stand on a slight rise. In the foreground, a series of irrigation nozzles are spraying water in fine arcs across the green grass. A dark, narrow water feature or path runs horizontally across the lower third of the image.

# THE TECHNOLOGY THAT BRINGS **TORO INNOVATION** TO YOUR GOLF COURSE.

Toro continually invests time, money and resources into innovation, including new ways to improve and enhance legacy wired systems.

Lynx LAC is the stepping-stone to this innovation. All of our system solutions are fully futureproofed, meaning you can continually upgrade and take advantage of next generation technology to transform turf and course management.





## LYNX® LAC DECODERS



## TORO SMART HUB



## INFINITY® SERIES SPRINKLERS

### LYNX LAC SMART HUB GATEWAY, WIRELINE COMMUNICATION

<b>LAC-RSX-800-M</b>				
Type	Configuration	Cabinet	Station Count	Communication Type
LAC	RS	X	800	M
LAC	RS—Lynx Smart Hub	no code—Wall mount P—Green Plastic Pedestal	800—800 Stations, Lynx Smart Hub	M—Wireline

**Example:** A 800 station Lynx LAC Smart Hub gateway with green plastic pedestal and wireline communication would be specified as: **LAC-RSP-800-M**

### LYNX LAC DECODERS

<b>LAC-X0X</b>		
Type	Configuration	Solenoid
LAC	X	0X
LAC	1—1-station 2—2-station 4—4-station 6—6-station	01—1 solenoid LYNX LAC Module 02—2 solenoids LYNX LAC Module

**Example:** A1-station, 1 solenoid LYNX LAC Module would be specified as: **LAC-101**

### LYNX LAC SURGE PROTECTORS

<b>LAC-LSP</b>	
Type	Description
LAC	LSP
LAC	Surge protector



# THE LYNX® LAC SYSTEM

## LYNX LAC DECODERS



### The key to easy migration.

Designed and manufactured to Toro's high standards, the new LAC decoders provide a low-cost, high quality solution to the challenge of upgrading wired irrigation systems. They are compatible with legacy AC systems for a quick and easy replacement. Depending on which generation decoders are currently in place, they enable either one or two-way communication with Lynx, delivering Toro capability into your hands.

### KEY FEATURES AND BENEFITS.



Retro-compatible with legacy decoders in the ground for easy migration.



Improved speed and access to functionality including watering by the second.



Superior and fast system diagnostics with amps volts.



# LYNX SMART HUBS

# INFINITY® SERIES SPRINKLERS



## Combining the flexibility of satellite controllers with the cost benefits of a decoder system.

Lynx Smart Hubs enable effective two-way communication with your irrigation system. Controlling individual areas of the course, they can store and run an irrigation schedule for up to 800 sprinklers – even if connection to the Control System is lost.

### KEY FEATURES AND BENEFITS.



Reliability – less wire and 20 KV surge protection against lightning.



Future-proofed – simply add new SMART features when they become available.



Easy maintenance – above ground technology, plus automated diagnostics.

## Next generation technology, today and forever.

The world's most popular sprinkler since 2014, the INFINITY Series incorporates Toro's Smart Access® solution, which means all critical components can be accessed with a screwdriver, making it easy to add accessories and upgrades without having to dig-up sprinklers.

### KEY FEATURES AND BENEFITS.



Built for expansion, not replacement – 'no dig' upgrades.



With TruJectory™, adjustable – from 7° to 30° degrees in 1° increments.



Choice – main, intermediate, inner, back nozzle options for bespoke solutions.



Robust – components such as stainless-steel valve seats are designed for durability.



# SUPPORTING YOU – 24/7/365.

**All of Toro's technology comes with class-leading warranties and the benefits of world-class support. This includes an extensive team of authorised distributors offering on the ground help across Europe, as well our National Support Network which delivers expert irrigation and technical advice 24/7/365. Wherever you are, whenever you need us we are here to help you keep your golf courses in first-class condition.**



Accessible 24/7/365, our world-class National Support Network (NSN) is always on hand with expert advice.



We offer live and remote online training, helping you make the most of Toro technology.



On the ground, Toro support is delivered through the largest and best qualified distributor network in Golf.



For ongoing reassurance and peace of mind, we provide automatic cloud back up.



We offer a comprehensive range of manuals, data sheets, advice and support for all Toro equipment at [toronsn.com](http://toronsn.com)



Our products come with a minimum of 2 years warranty. For sprinklers, it is upgraded to 5 years if installed with our Toro swing joints.



We host an extensive portfolio of 'how to' and support videos on NSN YouTube channel.



With NSN, next business day hardware replacement.



TURN OLD IRRIGATION INTO TORO INNOVATION





Toro is always there to help you care for your landscapes the way you want,  
when you want, better than anyone else.

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