

What's NITRON?

In 1998 NITRON was established in Witney, Oxford, the United Kingdom.

It is to celebrate 20th anniversary and insisting on absolute originality and high performance NITRON is surely winning popularity and gaining numbers of accomplishments in Europe, USA, Asia, Oceania, and Japan.

Shock absorber directly contributed to machine's motions control and movements.

Integrating with the machine, requirements for motorcycle shock absorber varies greatly according to rider's physique and riding style.

From this point of view, Guy Evans, CEO, the founder of NITRON RACING SYSTEM (NITRON U.K.) completely

denies the mass-produced shocks which are universal for all riders.

Therefore, all NITRON shocks are basically BTO (built to order).

The basic idea was then succeeded to NITRON JAPAN which started official import since 2005.

NITRON JAPAN combining the "Japanese assembling method" that so called "Assembled in Japan"

which ensures a complete domestic in-house assembly.

That is extraordinary for the imported aftermarket shock absorber.

Each shock absorber is built based on rider's request by Japanese engineers for the Japanese riders.

Furthermore, NITRON is eager to develop products for Japanese market.

GUY EVANS frequently visits Japan to learn Japanese motorcycle culture in order to design

advanced shock absorbers which suit Japanese market.

The typical examples are NITRON TWIN shock and NITRON FRONT FORK (NTF43 Conventional R3 Series).

Those products have been developed in collaboration with NITRON JAPAN and released exclusively in Japan.

Regarding activities in races, NITRON devotes in both motorcycle and car races.

A sidecar equips NITRON won British F1. In 2019 also they won many rounds.

Also, BLOODHOUND (it is dedicated car to update the speed recode, runs as over 1200km/h) use NITRON.

It tested under incredibly harsh environment with very high desert temperatures

and high levels of dust. NITRON U.K. introduces its racing activities and the racing results

as well as many customized machines and so forth on Facebook. (visit Facebook "NITRON")

Both NITRON U.K. and NITRON JAPAN will continue to support each rider and also to supply more sophisticated British-like products.



FOR MORE PRODUCT AND INFORMATION
PLEASE VISIT . . . www.nitron.jp



NITRON JAPAN OFFICIAL CHANNEL

Introducing NITRON OFFICIAL YOUTUBE Channel! Mr. Miyagi Hikaru come as channel navigator in the "What is the NITRON shock and OEM difference?" shock absorber comparison series.



- Product replacement can't be accepted once the product is installed or used. ● Warranty period is 3 years from the date of purchase
- The prices are suggested retail prices. Installation fee is not included.
- The prices and the specifications of the products are subject to change without notice when market changes or product improvement is occurred.
- Basically products are designed to fit normal bikes. ● Please note the printing colors may differ from actual colors.

Nitron Japan Co., Ltd.

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NITRON™

BE A LEADER NOT A FOLLOWER



2023

Motorcycle

English Version

NITRON™



NITRON JAPAN has consistently focused on matching riders / markets in Japan since manufactured by NITRON in the UK, which began in 2005. High quality UK engineering cultivated in completely different conditions from Japan to Japanese riders, not only in physique but also in road conditions, climate, and motorcycle culture. The "Assembled in Japan" method, which realizes complete domestic assembly while being an imported shock absorber, which is the first step, supplies optimized shocks to individual riders. And a product for Japan that is developed through a relationship with the UK headquarters. Repeated run test are done many times are carried out in Japan by Japanese test riders. Furthermore, after-sales service, which is essential to maintain the best conditions at all times, is linked with the maintenance center, which boasts the highest technology and equipment in Japan. In order to sustainably provide the most important parts that control one of the main motorcycle component

 **Engineered in the UK**

 **JQ Japan Quality**
Assembled in Japan

High performance shock.
Combined with Japanese Technology.

from UK to Japan

NITRON for Z900RS / CAFE

Performance and reliability selected by one of Japan's leading custom manufacturers

The Z900RS is overwhelmingly popular as a new generation Z that inherits the old-gen KAWASAKI Z series characteristics. NITRON worked on the Z900RS shock absorber development at the same time as the public release, and successfully released the NITRON MONO shock. In addition, NTR TVT series of front fork cartridges are released, which were developed to improve the performance of the entire machine while maintaining a balance with NITRON MONO shock.

It provides many riders with a comfortable and stable ride and the enjoyment of adjusting to the situation.

Furthermore, its potential is recognized, and it is adopted for the original rear

shock in collaboration with both Moriwaki and Over Racing, which are the leading custom parts manufacturers in Japan

also support NITRON credibility.



NITRON FRONT FORK CARTRIDGE



NTR TVT PRO
PRICE JPY198,000 (not include installation) NTFK25KA10K

NTR TVT
PRICE JPY178,000 (not include installation) NTFK25KA10B

NITRON MONO SHOCK



R3 Series
PRICE JPY198,000 NTBKK64R Remote Hydraulic Preload Adjuster (HPA) Equipped as standard model

R2 Series
PRICE JPY188,000 NTBKK64T Remote Hydraulic Preload Adjuster (HPA) Equipped as standard model

R1 Series
PRICE JPY105,000 NTBKK64S

Black Spring and Lowdown model Available!



NITRON FRONT FORK CARTRIDGE Details P19-20

NITRON MONO Shock Details P22-24

NITRON MONO Shock Lowdown Model details P35

KAWASAKI Z900RS '17-
FRONT FORK CARTRIDGE NTR TVT NTFK25KA10K +
NITRON MONO NTR R3 Series NTBKK64R-TQ

How about NITRON Shock? *Manufacturers Impression*

WHY Chose NITRON ?

Former Moriwaki rider Nakaki joined as a NITRON development staff member, so we have an environment in which the rider's comments and feedback can be reliable. Best condition and fastest lap can be achieved due to accurate tuning, overhaul, and feedback.

The British NITRON suspension also has very good performance from a commercial base.

It was our prerequisite to deliver to our customers the same specifications as the suspension installed in Moriwaki's "Tetsu Uma" Project Z900RS. Therefore, we have decided that NITRON JAPAN, which has a wide range of products and services, is the best partner.

Impression

NITRON suspension covers various situations from urban areas to sports riding. Dramatically improved traction make it easier to feel the tires grip and improves the sense of security during cornering. When the rear slides at the start of a corner, the easier it is for the rider to deal with, the easier it is to regain the tire grip and the following after the slide. By changing the suspension, a series of movements are smoothly connected, without any risk, making it more fun and easier to control. Moreover, the MONO Shock R3 that we use has very good setting capabilities, depending on the road environment in which it's being ridden. It is possible to adjust the shock without using special tools. It can be adjusted to the rider's taste in situations such as sudden rain, changes in vehicle weight, and road surface temperatures.

One of the real pleasures is that the shock setting can be changed immediately.



Product Inquiries:
Moriwaki Engineering Co., Ltd.
<https://www.moriwaki.co.jp/>



This product is not sold by Nitron Japan Co., Ltd.

WHY Chose NITRON ?

It is a suspension manufacturer that originated in the United Kingdom and is highly reliable. And it is assembled in Japan, and it is perfect for detailed setting and after-sales follow-up. I thought such collaboration with NITRON could provide great value to users.

Impression

The shock performance very much enjoyable from high-speed range sports/winding use until street use. Handling are very much changed and feels very fun to ride given the sense of unity with the bike even in the low speed range because the movement accuracy near the initial stroke is good. Also, I think one of the features that each part are meticulously built in and installed.

OVER
Racing



This product is not sold by Nitron Japan Co., Ltd.



Product Inquiries:
Over Racing Projects Co., Ltd.
<https://www.over.co.jp/>

TECHNOLOGIES & PHILOSOPHY

Shock absorber is a component of complicated functions. Therefore, it is not until all the functions are balance at high level that the best performance will be achieved.

1 TOP CAP

Machined aluminum top cap is distinctive feature of NITRON. Machined aluminum material provides high quality, light weight, and functional beauty. End eye uses precise spherical bearing. The bearing reduces friction and retains rigidity.

2 BODY TUBE

Light weight and high rigidity seamless aluminum body tube is applied. Inside tube is precisely processed by 1/100mm. And the surface is anodized to retain high durability. In addition to the preciseness and high durability, high heat radiation performance is maintained. Thread pitch on preload adjuster is intentionally widened to increase heat radiation.

3 PRELOAD ADJUSTER

Continuous variable adjusting preload adjuster is applied to all NITRON shocks. TWIN / MINI shocks equip stop screw as standard to prevent the adjuster from turning by accident.
MONO Shock option: Hydraulic preload adjuster

4 DAMPER ROD

Polished hard chrome plated damper rod is applied. Shaft bush uses selected Teflon material. It drastically reduces the friction generated by damper rod stroke.

5 SPRING

Spring is colored beautifully in turquoise blue which is NITRON's image color. (Either turquoise or black is available for Twin Shocks) The spring material is chrome silicone steel which is best for suspension spring. The spring retains high tension and high durability indispensable for motorcycle spring. Spring rate can be selected from plentiful lineup to meet tough demands from the riders such as use for racing.



NITRON MONO Shock NTR R3 Series

PIGGYBACK Reservoir Type

NTBKK19T-TQ
KAWASAKI ZX-10R 06-07

6 RESERVOIR TANK

Same as body tube, the material for reservoir is aluminum material. The surface is anodized to maintain high durability. Gas chamber has a free piston equipping Teflon band to reduce friction.

7 2 WAY COMPRESSION ADJUSTER (Only NTR / ADV R3 Series)

NITRON uses a unique 2 way compression adjuster. For low speed, conventional needle is utilized and tension spring for high speed. Both high speed adjuster and low speed adjuster are completely independent. This adjustment system necessitates shock dyno. This proves the preciseness of the system. The system provides a broad adjustability, 18 clicks for low speed and more than 16 clicks for high speed.
(In NTR / ADV R2 Series equips 1 way adjuster)

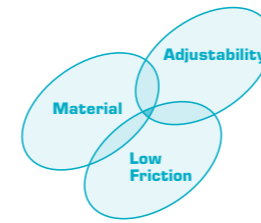
8 REBOUND ADJUSTER

NTR / ADV R3, NTR / ADV R2 Series equip one-way shim inside. It enables completely independent rebound adjustment to respond more rider's requirements. The material used for rebound adjuster is machined and anodized aluminum. Provided adjustment is 24 clicks. (MONO Shock)

9 HEIGHT ADJUSTER

Height adjusting system is Can be use in most NITRON shocks. Adjustable range changes depends on each bike. Height can be adjusted to balance bike posture or to suit rider's preference. (Not available for some in lineup)

PURSUES RACING SHOCK QUALITY FOR ALL MODELS



NITRON Technical Philosophy

Nitron offers the highest riding feel in all situations in which one machine encounters throughout its life. For instance, the shock having a potential equal to racing spec. can be used comfortably for touring and city ride too. In order to realize such rider's "true" wish, NITRON has kept three basics since its establishment.

Adjustability, Material, Low Friction

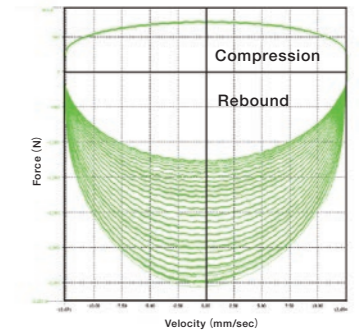
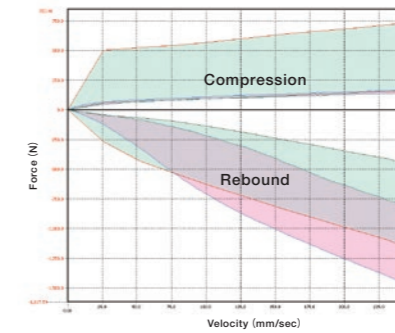
Adequate adjustable range and accurate adjustment. Thoroughly designed low friction technology in order to transmit the traction instantly to the road by responding rider's motion. And the best materials to support low friction and the adjustability. When all these basics are integrated at high level, racing quality NITRON defines becomes practical.

Adjustability

ADJUSTER HAVING ADEQUATE ADJUSTABLE RANGE AND ACCURATE CONTROL.

Independent adjuster has accurate controls in every scene by utilizing the wide adjustability which can be called compilation of NITRON's technologies. High & low compression and rebound adjustment are all independent. Thus accurate control can be made to fit various conditions. Moreover, each click is adjusted to have equal interval. Those are reasons why NITRON is called racing shock.

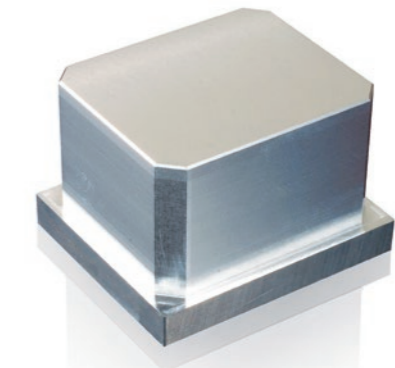
Left: Comparison between CB1300 NITRON's twin shock and OE shock. Green part shows NITRON's. Red shows OE's. Especially adjustability and adjustable range of compression (upper half) shows remarkable difference. Right: Click test of rebound adjuster. Change in rebound damping by each click is almost equal. And change is not recognized in compression. Thus each part has independent adjusting system.



Material

UTILIZING THE MATERIALS MAXIMALLY FOR CONSISTANCE OF FUNCTION AND DESIGN

Rigidity, durability, heat radiation performance, weight, and flexibility in designing. Those factors indispensable for building shock absorbers derive the aluminum material necessarily. The aluminum materials made by precise machining are distinct feature of NITRON. As many aluminum parts as possible are utilized for the body. Also Nitron thoroughly insists on proper materials and proper processes for damper rod and spring. Consequently, next generation quality in function and in design the highest ever can be obtained.



The parts made from the best aluminum materials and the precise machining completely differ in function and in design compared to conventional products.

Low Friction

EXTREMELY LOWERED FRICTION ENABLES ULTRA SMOOTH START IN MOTION

Tough but supple low friction technology constantly provides the best traction and smooth movement which is lifeline of shock absorber. NITRON uses the material containing PTFE (Teflon) for all sliding parts such as shaft bush and piston ring to minimize "stiction". Mono shock body tube is drawn 11 times and then finished by honing in order to obtain tough and precise low friction surface. Advanced low friction technology is also applied to damper rod, damper shim, and oil and so forth.

*Technical term of suspension engineer meaning stick or resistance of sliding part during very beginning of motion.



Body tube made by superior manufacturing method. Inside is just work of art.

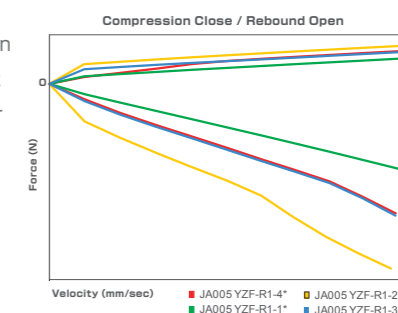


Same as body tube, sliding parts uses best materials to achieve advanced low friction.

Shock Dyno

All NITRON shocks delivered in Japan are tested by shock dyno (right photo) when the shocks are built (except NTR R1 series). NITRON Japan carries out dyno test (NTR R3=4 positions, NTR R2=3 positions) when assembly is completed in order to check if damping quality NITRON requires is obtained. The graph shows the damper test of NTR-R1 series of YZF-R1. (Green CL: Hardest CH: Softest REB: Softest/ Blue: CL: Hardest CH: Default setting REB: Default setting/Pink CL: Default setting CH: Default setting REB: Default setting) The test is repeated totally 4 times in order to check damper adjuster system operation.

CL: low speed compression adjuster HC: high speed compression adjuster REB: rebound adjuster





FEATURES OF NITRON JAPAN



Reliable relationship with Nitron hence Only we can “Assembled in Japan”

Our ideal, it's to provide the best suspension performance and services in motorcycle parts aftermarket. In 2005, we entered into a partnership together NITRON headquarter in the UK to achieve the ideal, although NITRON was unknown in Japanese market at the time. We think must create domestic specification that very match with Japanese people to provide NITRON high performance as long-life, certainly around Japanese riders. Therefore we operate “Assembled in Japan” system, it meaning to assemble domestically NITRON products on whole process. However in order to do that required the manufacturing technology as high-level, know-how also sharing the parts drawing information so on. The certain technology knowledge and strongly reliable relationship are definitely needed from view with security management. We have worked together and communicated with NITRON in some decades, shared the ideal, finally established “Assembled in Japan” . In fact, only us and headquarter are NITRON production base in the world, it prove our strongly relationship.

NITRON produced by Japanese craftsmanship fits very match in Japanese road situation

Also we work as the develop products base for Japanese market with NITRON cooperation. In general, some Japanese rider's situation that feel a suspension “too much stiff” due to mostly suspension products are developed focus on oversea market with considering oversea road situation and physical measurement. Therefore we do many tests on released in domestic bikes thoroughly considering domestic rider's body and road situation. We always mind to deliver the suspension products with the best condition.

Development process

1 Analysis standard suspension Step1

In the beginning, analyze the standard suspension thoroughly to improve the suspension performance more. We check how moving the suspension, balance of actual riding. Uncover its good point and weakness, aim to recover, improve the riding performance.

2 Analysis standard suspension Step2

Second stage, analyze the standard suspension by a shock dyno machine and spring tester to extract data. Consider rider's feel and actual data provides better understanding of the standard suspension. And then create the foundation data on developing NITRON shock absorber.

3 Making a NITRON prototype suspension

The data come from standard suspension and our experience are combined together, make a prototype, ahead to the riding test. We repeat tests and re-build in constant pursuit for the best suspension. In our test, wide range of riders do it. For example a staff who rides just for enjoy, also there is a professional rider in former days who have much racing experience. The test continue till find out the best settings for every purpose, street, winding road additionally do sport-riding on circuit.

4 Finished tests and released as a new product

The testing data are controlled by computing and shared together NITRON. We can do all of tests in Japan, we have a right to decide the final specification. To develop the suspension for Japanese riders by Japanese, this is the advantage and difference obviously than other aftermarket suspension.

Flexible handling as like tailor-made, reliable after service

We keep the NITRON motorcycle suspension parts in stock as equivalent much as headquarters in the UK.

Those sort of parts stock are over 3,000. Therefore we can offer certain after service.

Additionally we can do custom to the bike other than line up products, also can develop NITRON JAPAN original products.

Unique service and products, Domestic factory can do

After service

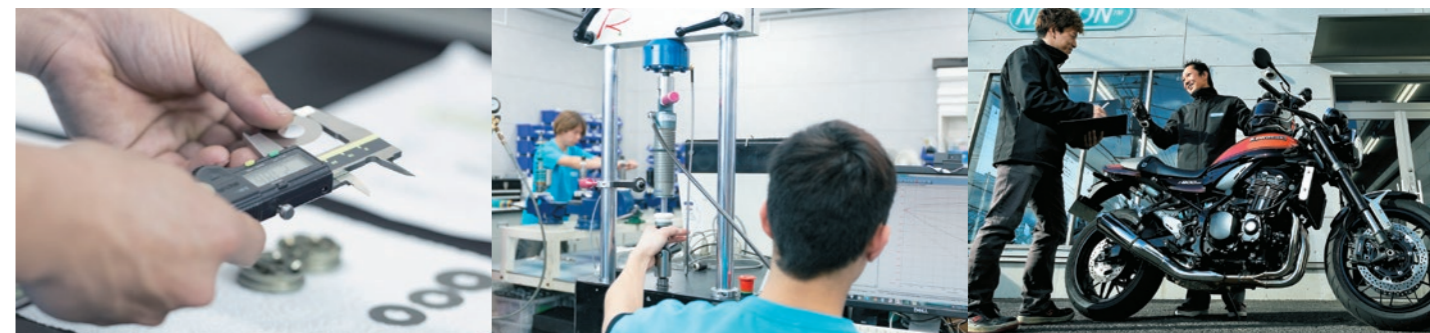
Shock absorber is definitely required a maintenance service to keep its performance. We can provide service for like sudden trouble, warranty repair more flexible and quickly than even other imported suspension brand due to all of the parts are stocked. In after service, the suspension engineers who know well building NITRON products, developing, design concept, parts producing process, they do the services. Therefore we can make your NITRON refresh completely. Connecting directly with NITRON, that's why can provide high quality after services.

“Like a tailor made”

NITRON founder Guy Evans has a thing, that's “As Tailor made” . To provide a shock absorber ideally is just like a tailor made suit to fits on one's body. Also we can customize a shock for much variety of bikes. For example, lowering suspension demand is getting increase, can be say it tailor made. We can customize a suspension depending on the needs flexibly with plentiful data and know-how that achieved in the experience for over 15 years since Nitron Japan established. Also we have done tailor made for many kind of bikes like out of line up products, old model bikes, trike, electric bike, eco-car, sit-ski so on. Developing and know-how advantage actualize user's demand. (Please see P38 for details custom)

Japan Edition

We have “Japan Edition” model to satisfy variety of Japanese demand. Actualize rider's needs finely with the numerous data and know-how come from much experience along Japanese motorcycle culture. As a result, we have done original lowering kit (rear shock absorber and fork spring set) for old bike that popular for long time.



Responsible for Distributor in the southeast Asia

Motorcycle market in the Southeast Asia is expanding as like jumping in year by year.

We supply suspension products for the Southeast Asia market as fixed in motorcycle culture there.

Nitron Japan has been in charge of develop and delivery around the Southeast Asia since 2017.

Developing products energetically with our advantage like similar body information, such a location, increased variety of line up. NITRON headquarters admits developing ability,

we supply “Japan Quality” NITRON in the Southeast Asia.



NITRON JAPAN Service center

We outsource TECHNIX Ltd to service operation. TECHNIX have the largest scale facilities in Japan.

They introduced NITRON first here, has structured a good partnership with NITRON.

They have much experience and knowledge about both on-road and off-road bikes based on their history over 20 years. Also they do after services using a brand new facilities like a shock dyno machine and chassis measurement.

3 years warranty to secure your shock

In general, 3 years warranty is remarkable long warranty as motorcycle suspension,

it ensured the best suspension condition with fully service and long warranty.

Please see the warranty card or NITRON Website for detail of contents of warranty



NITRON SHOCK PRODUCTS LIST SHOCK STYLE ID REFERENCE

NITRON shock absorber products list, all of rear shock style can be referred.

The numbers, M1-M38 shown upper left of the shock photo is linked to SHOCK STYLE ID shown in full lineup list.

(P11-P16) Please check the number along with the ID to find the desired shock.

Please note the photos are references showing representative product. The actual products may differ in details such as length, hose, collet, and etc. Images of M40/41/42 with body-integrated hydraulic preload adjuster (HPA) are currently being prepared. Please refer to the Nitron Japan homepage for R3 only.

NITRON MONO Shock

M8 NITRON MONO Shock
RACE PRO Series



PB
Reservoir Type:
PIGGYBACK

M9 NITRON MONO Shock
RACE PRO Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
PB
Reservoir Type:
PIGGYBACK

M15 NITRON MONO Shock
RACE PRO Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
PB
Reservoir Type:
PIGGYBACK

M6 NITRON MONO Shock
NTR R3 Series



PB
Reservoir Type:
PIGGYBACK

M23 NITRON MONO Shock
NTR R3 Series



PB
Reservoir Type:
PIGGYBACK

M5 NITRON MONO Shock
NTR R3 Series



H
Reservoir Type:
HOSE

M14 NITRON MONO Shock
NTR R3 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
PB
Reservoir Type:
PIGGYBACK

M28 NITRON MONO Shock
NTR R3 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
PB
Reservoir Type:
PIGGYBACK

M13 NITRON MONO Shock
NTR R3 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
H
Reservoir Type:
HOSE

M3 NITRON MONO Shock
NTR R2 Series



PB
Reservoir Type:
PIGGYBACK

M24 NITRON MONO Shock
NTR R2 Series



PB
Reservoir Type:
PIGGYBACK

M2 NITRON MONO Shock
NTR R2 Series



H
Reservoir Type:
HOSE

M12 NITRON MONO Shock
NTR R2 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
PB
Reservoir Type:
PIGGYBACK

M29 NITRON MONO Shock
NTR R2 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
PB
Reservoir Type:
PIGGYBACK

M11 NITRON MONO Shock
NTR R2 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
H
Reservoir Type:
HOSE

M1 NITRON MONO Shock
NTR R1 Series



I
Reservoir Type:
INTERNAL

M10 NITRON MONO Shock
NTR R1 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
I
Reservoir Type:
INTERNAL

NITRON MONO Shock / ADVENTURE

M30 NITRON MONO Shock
ADVENTURE R3 Series



H
Reservoir Type:
HOSE

M31 NITRON MONO Shock
ADVENTURE R2 Series



H
Reservoir Type:
HOSE

M32 NITRON MONO Shock
ADVENTURE R1 Series



I
Reservoir Type:
INTERNAL

M33 NITRON MONO Shock
ADVENTURE R3 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
PB
Reservoir Type:
PIGGYBACK

M34 NITRON MONO Shock
ADVENTURE R2 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
PB
Reservoir Type:
PIGGYBACK

M35 NITRON MONO Shock
ADVENTURE R1 Series+HPA



HPA
Equips Hydraulic
Preload Adjuster
as standard
I
Reservoir Type:
INTERNAL

NITRON MINI Shock

M21 NITRON MINI Shock
MINI R3 Series



H
Reservoir Type:
HOSE

M22 NITRON MINI Shock
MINI R3 Series for GROM



PB
Reservoir Type:
PIGGYBACK

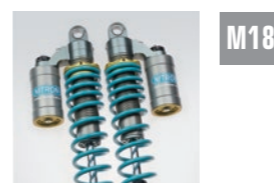
M19 NITRON MINI Shock
MINI R1 Series



E
Reservoir Type:
EMULSION

NITRON TWIN Shock

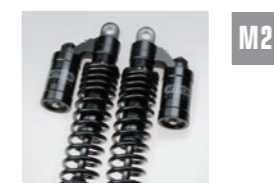
NITRON TWIN Shock
TWIN R3 Series



M18

PB Reservoir Type: PIGGYBACK

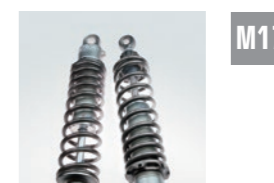
NITRON TWIN Shock
STEALTH TWIN R3 Series



M26

PB Reservoir Type: PIGGYBACK

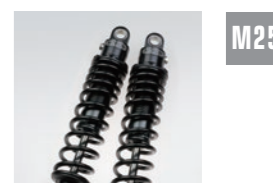
NITRON TWIN Shock
TWIN R1 Series



M17

E Reservoir Type: EMULSION

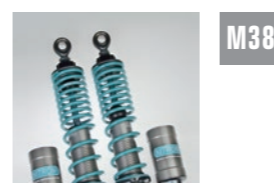
NITRON TWIN Shock
STEALTH TWIN R1 Series



M25

E Reservoir Type: EMULSION

NITRON TWIN Shock
TWIN R3 Series
for PCX / ADV150



M38

PB Reservoir Type: PIGGYBACK

NITRON FRONT SHOCK

FS1

NITRON
FRONT
Shock
**NTR R1
Series**



E Reservoir Type:
EMULSION

NITRON FULL LINEUP LIST



HIGH QUALITY SHOCK ABSORBER FOR ALL RIDERS. LONGSTANDING DEVELOPMENT ENABLES TO FIT WIDELY JAPANESE 4 MANUFACTURES AND FOREIGN MANUFACTURE. HERE IS A FULL LINEUP LIST FOR NITRON REAR SHOCK.

Please see each their pages to see application list front fork or cartridge kit so on. Also understand possibility of changing specification and price without informing.

Please follow STEP1-4 to refer the list.

STEP 1 (Model/year) STEP 2 (Series) STEP 3 (Shock Style ID) STEP 4 (Specific note)

TYPES OF RESERVOIR TANKS RACE PRO / R3 / R2 Series equip remote reservoir tank. Style of remote tank differs by bikes. In most cases the style will be fixed in accordance with design of brake.

MONO Shock, TWIN Shock, PIGGYBACK, HOSE

Specific note 1: Equips hydraulic preload adjuster as standard 2: Unable to equip hydraulic preload adjuster...

SPRING COLOR SELECT NITRON MONO Shock NITRON TWIN Shock

Marginal notes represent shock type. T=TWIN Shock MI=MINI Shock A=ADVENTURE NONE MONO Shock As of February 2023

Main product table for Aprilia, BMW, Cagiva, and CCM brands with columns for Model, Year, Reservoir Tank Style, RACE PRO*/R3 Series, R2 Series, and R1 Serie.

Marginal notes represent shock type. T=TWIN Shock MI=MINI Shock A=ADVENTURE NONE MONO Shock As of February 2023

Main product table for Ducati and Honda brands with columns for Model, Year, Reservoir Tank Style, RACE PRO*/R3 Series, R2 Series, and R1 Serie.

Model	Year	Reservoir Tank Style	RACE PRO*/ R3 Series <small>*Dedicated SUPER SPORTS model (last digit of parts number is "RP" in highlighted blue)</small>				R2 Series				R1 Serie			
			Shock Style ID	Specific note	Model Number	Price (JPY)	Shock Style ID	Specific note	Model Number	Price (JPY)	Shock Style ID	Specific note	Model Number	Price (JPY)
			MOTO MORINI											
Corsaro 1200	06-10	H	M5	2	NTBK01R	163,900	M2	2	NTBK01T	152,900	M1	2	NTBK01S	115,500
MV AGUSTA														
F4 750/1000	03-09	PB	M6		NTBKU01R	163,900	M3		NTBKU01T	152,900	M1		NTBKU01S	115,500
Brutale 910	03-09	PB	M6		NTBKU02R	163,900	M3		NTBKU02T	152,900			N/A	
F3 675	13-19					N/A				N/A	M1	2	NTBKU03S	115,500
SUZUKI														
GSX1400	ALL	PB	M18	4	TSS01R	195,800				N/A	M17	4	TSS01S	115,500
GSX1400 [STEALTH]	ALL	PB	M26		TSS01RS	217,800				N/A	M25		TSS01SS	137,500
GSX400S	ALL	PB	M18	4/8	TSS02R	195,800				N/A	M17	4	TSS02S	115,500
GSX400S [STEALTH]	ALL	PB	M26	8	TSS02RS	217,800				N/A	M25		TSS02SS	137,500
RAIDER R150	17-	H	M21	11	NTBKS58R	139,700				N/A	M19		NTBKS58S	69,300
SPORT 120		H	M21	11	NTBKS63R	139,700				N/A	M19		NTBKS63S	69,300
DL650 V-Strom	04-11					N/A				N/A	M1		NTBKS41S	115,500
DL650 V-Strom	12-13					N/A				N/A	M1		NTBKS46S	115,500
GSF600 Bandit	95-99	H	M5	F	NTBKS01R	163,900	M2	F	NTBKS01T	152,900	M1	F	NTBKS01S	115,500
GSF600 650 Bandit	00-06	H	M5		NTBKS02R	163,900	M2		NTBKS02T	152,900	M1		NTBKS02S	115,500
GSF650 Bandit	07-13	H	M5		NTBKS48R	163,900	M2		NTBKS48T	152,900	M1	F	NTBKS48S	115,500
GSF1200	96-00	H	M5	3	NTBKS12R	163,900	M2	3	NTBKS12T	152,900	M1	F	NTBKS12S	115,500
GSF1200 Bandit (ABS)	97-00	H	M5	F	NTBKS40R	163,900	M2	F	NTBKS40T	152,900	M1	F	NTBKS40S	115,500
Bandit 1200	00-06	H	M5	3/11	NTBKS13R	177,100	M2	3/11	NTBKS13T	166,100	M1		NTBKS13S	115,500
Bandit 1250	07-17	H	M5	3	NTBKS34R	163,900	M2	3	NTBKS34T	152,900	M1		NTBKS34S	115,500
GSF 750	11-17					N/A				N/A	M1		NTBKS38S	115,500
GSX 250R	17-	H	M13	6	NTBKS61R	217,800	M11	6	NTBKS61T	206,800	M10	1	NTBKS61S	156,200
GSX 600 /750	98-03	H	M5	F	NTBKS30R	163,900	M2	F	NTBKS30T	152,900	M1	F	NTBKS30S	115,500
GSX-S 750	17-	H	M13	6	NTBKS65R	217,800	M11	6	NTBKS65T	206,800	M10	1	NTBKS65S	156,200
GSX-S 1000/F	15-20	H	M5	11	NTBKS54R	177,100	M2	11	NTBKS54T	166,100	M1		NTBKS54S	115,500
GSX-S 1000	21-	H	M5	11	NTBKS69R	177,100	M2	11	NTBKS69T	166,100	M1		NTBKS69S	115,500
GSX-R 400 J-K	88-89	H	M5		NTBKS39R	163,900	M2		NTBKS39T	152,900	M1		NTBKS39S	115,500
GSX-R 600 SRAD V-Y	97-00	PB	M6		NTBKS03R	163,900	M3		NTBKS03T	152,900	M1		NTBKS03S	115,500
GSX-R 600 K1-K3	01-03	PB	M6		NTBKS04R	163,900	M3		NTBKS04T	152,900	M1		NTBKS04S	115,500
GSX-R 600 K4-K5	04-05	PB	M6		NTBKS32R	163,900	M3		NTBKS32T	152,900	M1	F	NTBKS32S	115,500
GSX-R 600 K6-K9	06-09	PB	M6		NTBKS29R	163,900	M3		NTBKS29T	152,900	M1	F	NTBKS29S	115,500
GSX-R 750 J-S	88-95	H	M5	F	NTBKS06R	163,900	M2	F	NTBKS06T	152,900	M1	F	NTBKS06S	115,500
GSX-R 750 WT-X SRAD	96-99	H	M5	11	NTBKS07R	177,100	M2	11	NTBKS07T	166,100	M1		NTBKS07S	115,500
GSX-R 750 Y-K3	00-03	PB	M6		NTBKS17R	163,900	M3		NTBKS17T	152,900	M1		NTBKS17S	115,500
GSX-R 750 K4-K5	04-05	PB	M6		NTBKS36R	163,900	M3		NTBKS36T	152,900	M1	F	NTBKS36S	115,500
GSX-R 750 K6-K9	06-09	PB	M6		NTBKS25R	163,900	M3		NTBKS25T	152,900	M1		NTBKS25S	115,500
GSX-R 750 L-	11-	PB	M6		NTBKS51R	163,900	M3		NTBKS51T	152,900	M1		NTBKS51S	115,500
GSX-R 1000 K1-K2	01-02	PB	M6		NTBKS08R	163,900	M3		NTBKS08T	152,900	M1		NTBKS08S	115,500
GSX-R 1000 K3-K4	03-04	PB	M6		NTBKS09R	163,900	M3		NTBKS09T	152,900	M1		NTBKS09S	115,500
GSX-R 1000 K5-K6	05-06	PB	M6		NTBKS15R	163,900	M3		NTBKS15T	152,900	M1		NTBKS15S	115,500
GSX-R 1000 K9-L1	09-11	PB	M8		NTBKS27RP	184,800				N/A			N/A	
GSX-R 1000R L7-	17-22	PB	M8		NTBKS57RP	184,800				N/A			N/A	
GSX-R 1100 G-J	86-88	H	M5		NTBKS10R	163,900	M2		NTBKS10T	152,900	M1		NTBKS10S	115,500
GSX-R 1100 K-N	89-92	H	M5	F	NTBKS11R	163,900	M2	F	NTBKS11T	152,900	M1	F	NTBKS11S	115,500
GSX-R 1100 P-R	93-94	H	M5	F	NTBKS24R	163,900	M2	F	NTBKS24T	152,900	M1	F	NTBKS24S	115,500
GSX-R 1100 S-V	95-97	H	M5	F	NTBKS23R	163,900	M2	F	NTBKS23T	152,900	M1	F	NTBKS23S	115,500
GSX-R 1300 Hayabusa	99-07	PB	M6		NTBKS14R	163,900	M3		NTBKS14T	152,900	M1		NTBKS14S	115,500
GSX-R 1300 Hayabusa	08-20	PB	M6	F	NTBKS33R	163,900	M3	F	NTBKS33T	152,900	M1	F	NTBKS33S	115,500
Hayabusa	21-	PB	M8	1	NTBKS66RP	225,500				N/A			N/A	
RGV250 K-L (VJ21)	89-90	H	M5		NTBKS05R	163,900	M2		NTBKS05T	152,900	M1	F	NTBKS05S	115,500
RGV250 M-T (VJ22)	91-96	H	M5		NTBKS19R	163,900	M2		NTBKS19T	152,900	M1	F	NTBKS19S	115,500
RGV250 (VJ23)	97-98	PB	M6		NTBKS22R	163,900	M3		NTBKS22T	152,900	M1		NTBKS22S	115,500
RG500 LC	85-86					N/A				N/A	M1		NTBKS20S	115,500
RF600R P-V	93-97	H	M5	F	NTBKS31R	163,900	M2	F	NTBKS31T	152,900	M1	F	NTBKS31S	115,500
RF900R	94-96	H	M5		NTBKS18R	163,900	M2		NTBKS18T	152,900	M1	F	NTBKS18S	115,500
SV650 X-K2	99-02	H	M5		NTBKS16R	163,900	M2		NTBKS16T	152,900	M1		NTBKS16S	115,500
SV650 K3-K6	03-06	H	M5	11	NTBKS26R	177,100	M2	11	NTBKS26T	166,100	M1		NTBKS26S	115,500
SV650	16-	H	M5	F/11	NTBKS56R	177,100	M2	F/11	NTBKS56T	166,100	M1	F	NTBKS56S	115,500
SV1000 K3-K6	03-06	PB	M6		NTBKS37R	163,900	M3		NTBKS37T	152,900	M1		NTBKS37S	115,500
KATANANA	19-	PB	M8		NTBKS64RP	184,800				N/A			N/A	
Gladius 400 (ABS)	09-17					N/A				N/A	M1		NTBKS35S	115,500
GIXXER150	17-	H	M13	1	NTBKS59R	204,600	M11	1	NTBKS59T	193,600	M1		NTBKS59S	115,500
GIXXER250	21-					N/A				N/A	M10	1	NTBKS67S	156,200
V-Strom 250	17-					N/A				N/A	M10	1	NTBKS62S	156,200
TRIUMPH														
Bonneville T100	08-15	PB	M18	4	TST01R	195,800				N/A	M17	4	TST01S	115,500
Bonneville T100 [STEALTH]	08-15	PB	M26		TST01RS	217,800				N/A	M25		TST01SS	137,500
Bonneville T100	16-	PB	M18	4	TST12R	195,800				N/A	M17	4	TST12S	115,500
Bonneville T100 [STEALTH]	16-	PB	M26		TST12RS	217,800				N/A	M25		TST12SS	137,500
Bonneville T120	16-	PB	M18	4	TST04R	195,800				N/A	M17	4	TST04S	115,500
Bonneville T120 [STEALTH]	16-	PB	M26		TST04RS	217,800				N/A	M25		TST04SS	137,500
Street Twin / Speed Twin900	16-	PB	M18	4	TST03R	195,800				N/A	M17	4	TST03S	115,500
Street Twin / Speed Twin900 [STEALTH]	16-	PB	M26		TST03RS	217,800				N/A	M25		TST03SS	137,500
Street Cup	17-18	PB	M18	4	TST06R	195,800				N/A	M17	4	TST06S	115,500
Street Cup [STEALTH]	17-18	PB	M26		TST06RS	217,800				N/A	M25		TST06SS	137,500
Scrambler	05-16	PB	M18	4	TST02R	195,800				N/A	M17	4	TST02S	115,500
Scrambler [STEALTH]	05-16	PB	M26		TST02RS	217,800				N/A	M25		TST02SS	137,500
Street Scrambler/Scrambler900	17-	PB	M18	4	TST10R	195,800				N/A	M17	4	TST10S	115,500
Street Scrambler/Scrambler900 [STEALTH]	17-	PB	M26		TST10RS	217,800				N/A	M25		TST10SS	137,500
Thruxton R	16-20	PB	M18	4	TST09R	195,800				N/A	M17	4	TST09S	115,500
Thruxton R [STEALTH]	16-20	PB	M26		TST09RS	217,800				N/A	M25		TST09SS	137,500
Speed Twin	19-20	PB	M18	4	TST11R	195,800				N/A	M17	4	TST11S	115,500
Speed Twin [STEALTH]	19-20	PB	M26		TST11RS	217,800				N/A	M25		TST11SS	137,500

Model	Year	Reservoir Tank Style	RACE PRO*/ R3 Series <small>*Dedicated SUPER SPORTS model (last digit of parts number is "RP" in highlighted blue)</small>				R2 Series				R1 Serie			
			Shock Style ID	Specific										

NITRON FRONT FORK NTF43CR2 Series

INTRODUCING SMOOTH CONTROL WITH MODERATE RIGIDITY "SPORTS & COMFORT" CONCEPT for BIG NAKED BIKE

Reducing unnecessary vibration and advance damping performance. Comes with moderate rigidity performance characteristic to enchant sports performance. Balanced damping performance to ensure sportiness and comfort at the same time.

NITRON's engineered and controlled high component accuracy and damping force characteristics in 1/100 mm units have been repeatedly tested not only in the UK but also in Japan, and thoroughly assess to cover a wide range of sports riding and touring to obtain high performance. A stylish UK engineering design with high performance. The NTF43CR2, completely adopted high performance NITRON technology, and takes the handling of NTF43CR2 front fork performance to support nakedtouring bike.



SKF



2WAY Damping Adjuster

Street / Sports / Race

Wide range of usability from Street to Sports.

JPY 260,000 Price for front fork absorber only (for general custom purpose)



Installed in KAWASAKI ZRX1200DAEG

Fork length and Spring Rate are selectable.

»» Fork length

- 770 mm
- 800 mm
- 815 mm

»» Spring Rate

- 8.0 N/mm
- 8.5 N/mm
- 9.0 N/mm
- 9.5 N/mm



Outer tubes made from high durability 7000s aluminum and fork bottom made by forging



Achieved low friction by polished chrome inner tube and SKF fork seal



New designed NTR2 fork cartridge damping character are different layout between left and right (LCRR layout). You can see its symbol, the top-bolt.

NITRON FRONT FORK

NTF43CR2 FRONT FORK BOLT ON KIT

A vehicle-specific kits lineup are available enabling NTF43CR2 fork bolt-on installation without need for any modification or processing. Two kits are available: Full kit that includes all the parts required for installation, and Wheel kit for users who want a free choice of brakes. All vehicle-specific tests are conducted in Japan under the initiative of Nitron Japan, and settings are made with consideration for the fields used by Japanese users. Manufacturer's genuine bolt-on KIT that enables reliable fitting.



NTF43CR2 FULL KIT

A full kit that includes all the necessary parts for installation. The NTF43CR2 fork can be installed easily without any required modification.

Kit Content NTF43CR2 / OEM Wheel fitting spacer / Front fender installation bracket / Brembo brake caliper (Cast) / Sunstar Premium Racing 320 ϕ * semi floating disc rotor LM type (Gunmetal floating pin) / PLOT Sewage line brake hose (with Nitron logo)
 Caution: Fitting parts is vary according to the vehicle type, for more information visit NITRON JAPAN Homepage. *: CB1300SF/SB (ABS) using SUNSTAR Premium Racing 310 ϕ .

KAWASAKI ZRX1200 DAEG	NTF43CR2-CR ^{*1} BK ^{*2} -F01K	JPY 465,000
KAWASAKI ZRX1200R	NTF43CR2-CR ^{*1} BK ^{*2} -F03K	JPY 465,000
KAWASAKI ZEPHYR1100	NTF43CR2-CR ^{*1} BK ^{*2} -C-F02K	JPY 485,000
Fender: Carbon finish		
KAWASAKI ZEPHYR1100	NTF43CR2-CR ^{*1} BK ^{*2} -F-F02K	JPY 481,000
Fender: FRP white gel coat finish		

HONDA CB1300 SF/SB(ABS) NTF43CR2-CR^{*1} BK^{*2}-F04K JPY 465,000

*1: Inner tube color (chrome - CR) DLC Black inner tube will be available soon as an option.
 *2: Outer tube color (Black Alumite - BK)

NTF43CR2 WHEEL KIT

NTF43CR2 comes with OEM wheel and front fender. Caliper support and other brake related parts are not included.

Kit Content NTF43CR2 / OEM Wheel fitting spacer / Front fender installation bracket.
 Caution: Fitting parts is vary according to the vehicle type, for more information visit NITRON JAPAN Homepage.

KAWASAKI ZRX1200 DAEG	NTF43CR2-CR ^{*1} BK ^{*2} -W01K	JPY 275,000
KAWASAKI ZRX1200R	NTF43CR2-CR ^{*1} BK ^{*2} -W03K	JPY 275,000
KAWASAKI ZEPHYR1100	NTF43CR2-CR ^{*1} BK ^{*2} -C-W02K	JPY 295,000
Fender: Carbon finish		
KAWASAKI ZEPHYR1100	NTF43CR2-CR ^{*1} BK ^{*2} -F-W02K	JPY 290,000
Fender: FRP white gel coat finish		



ZEPHYR1100 is come with fender, refer to NTF43CR FULL KIT for more detail

Please ask specialized shop as it requires specialized knowledge for installation. NITRON does not offer kits compatible with genuine brakes. We do not sell individual parts other than for repair.

Fitting Image



NITRON FRONT FORK CARTRIDGE

NTR TVT PRO / NTR TVT / NTR TVT22

NITRON FRONT FORK CARTRIDGE

NITRON Front fork cartridge perform to wide range like high performance and light-weight model

3 kind of cartridges kit that are divorced along development concept. NTR TVT with high flow 25mm piston fits to race or sport riding with a good balance between supporting brake inimitably and gripping the road surface by NITRON original Tri-valve System®. Additionally new design NTR TVT22 hereditary come from cartridge fork fundamental design is developed to aim high-performance although reasonable as assumed street riding or sport riding situation. Both cartridge kit adopts LCRR (Left Compression Right Rebound) layout come from repeated making prototype and testing. Installed preload adjuster make wide-range adjustability. NTR TVT PRO is more for race use with more low-friction process radically.



NTR TVT PRO



NTFK25TR01K
TRIUMPH Daytona675 06-13



NTR TVT



NTFK25SU03B
SUZUKI GSX-R1000 09-11



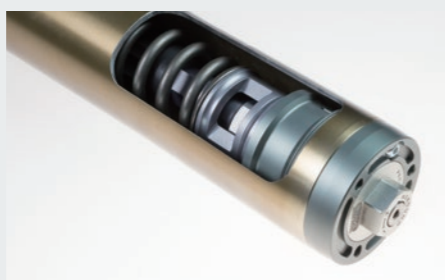
NTR TVT22



NTFK22KA09
KAWASAKI Ninja250/400 18-



Damping character LCRR layout that independent left side and right. You will see the symbol, the top bolt.



The top bolt make possible to quickly replace the spring without change the damping adjust.



We decided the design to strive for internal function and performance. Therefore changing valve would be easier on race use. (NTR TVT PRO / NTR TVT)

FEATURES (Mutual NTR TVT / NTR TVT PRO)

- Nitron original Tri-Valve System® technology
- Hard anodized 7075-T6 25φ seamless main cartridge
- Hard anodized 7075-T6 12φ seamless damping shaft
- CNC aluminum cut, hard anodized 25φ high flow piston
- The special carbon piston band Teflon processed
- Spring preload adjuster
- Damping adjuster (Left Compression Right Rebound)
- All of valves and adjusters so on other parts are made from stainless steel

FEATURES for NTR TVT PRO

- Kashima coated cartridge tube
- Damping shaft makes extremely low friction
- Valve optimized for race use
- Ultra-grade O2 100% chemical synthetic oil for racing
- Easy replace spring system with keep setting
- Possible to revalve without taking apart a cartridge tube

FEATURES for NTR TVT22

- Basic performance and design
- 22mm piston

LINEUP Mainly high performance models but variety line up

APRILIA	YEAR	FORK TYPE	PRODUCT CODE
RS660	21-	TVT 25mm Cart	NTFK25A05

BMW	YEAR	FORK TYPE	PRODUCT CODE
S1000R	14-20	TVT 25mm Cart	NTFK25BM01
S1000RR	08-15	TVT 25mm Cart	NTFK25BM02
RnineT	14-20	TVT 25mm Cart	NTFK25BM03
RnineT Racer/Pure	17-19	TVT 22mm Cart	NTFK22BM04
RnineT Scrambler/Urban GT	16-19	TVT 22mm Cart	NTFK22BM06

DUCATI	YEAR	FORK TYPE	PRODUCT CODE
Panigale 899/959/V4	14-16	TVT 25mm Cart	NTFK25DU01
Hyperstrada 821/939	13-16	TVT 25mm Cart	NTFK25DU02
Panigale 1199/1299 (Marzocchi)	12-17	TVT 25mm Cart	NTFK25DU03
Scrambler	15-22	TVT 25mm Cart	NTFK25DU04
Monster1200	14-20	TVT 25mm Cart	NTFK25DU05
Diavel	11-18	TVT 25mm Cart	NTFK25DU10

HONDA	YEAR	FORK TYPE	PRODUCT CODE
CBR600RR	07-12	TVT 25mm Cart	NTFK25H001
CBR600RR	13-16	TVT 25mm Cart	NTFK25H002
CBR1000RR	08-11	TVT 25mm Cart	NTFK25H003
CBR1000RR	12-16	TVT 25mm Cart	NTFK25H004
CRF1000L/1100L Africa Twin	12-21	TVT 25mm Cart	NTFK25H005
CRF1000L Africa Twin Adventure Sport	18-19	TVT 25mm Cart	NTFK25H009
CBR1000RR SP	14-16	TVT 25mm Cart	NTFK25H006
Rebell1100	21-	TVT 22mm Cart	NTFK22H018

KAWASAKI	YEAR	FORK TYPE	PRODUCT CODE
Z1000	14-20	TVT 25mm Cart	NTFK25KA01
ZX6R	09-12	TVT 25mm Cart	NTFK25KA02
ZX6R	13-16	TVT 25mm Cart	NTFK25KA03
ZX10R	08-10	TVT 25mm Cart	NTFK25KA04
ZX10R	11-15	TVT 25mm Cart	NTFK25KA05
ZX10R	16-22	TVT 25mm Cart	NTFK25KA06
Z1000SX	11-22	TVT 25mm Cart	NTFK25KA07
Z H2	20-	TVT 25mm Cart	NTFK25KA16
Z900	17-19	TVT 25mm Cart	NTFK25KA08
Z400	19-21	TVT 22mm Cart	NTFK22KA21
Ninja250/400	18-	TVT 22mm Cart	NTFK22KA09
Z900RS/CAFÉ	18-	TVT 25mm Cart	NTFK25KA10

KTM	YEAR	FORK TYPE	PRODUCT CODE
Duke690	12-19	TVT 25mm Cart	NTFK25KT03
Duke790	18-20	TVT 25mm Cart	NTFK25KT04

Product code, end of NTR TVT PRO would be "K", NTR TVT is "B". As of February 2023

SUZUKI	YEAR	FORK TYPE	PRODUCT CODE
GSX-R600/750	06-10	TVT 25mm Cart	NTFK25SU01
GSX-R600/750	11-16	TVT 25mm Cart	NTFK25SU02
GSX-R1000	09-11	TVT 25mm Cart	NTFK25SU03
GSX-R1000	07-08	TVT 25mm Cart	NTFK25SU05
GSX-R1000	12-22	TVT 25mm Cart	NTFK25SU04
GSX-S1000	15-21	TVT 25mm Cart	NTFK25SU06
GSX-S1000	15-21	TVT 22mm Cart	NTFK22SU06
GSX-S1000GT	22-	TVT 25mm Cart	NTFK25SU24
GSX-R1000R	17-20	TVT 25mm Cart	NTFK25SU09
GSX-S750	17-19	TVT 25mm Cart	NTFK25SU15

YAMAHA	YEAR	FORK TYPE	PRODUCT CODE
FZ8	11-13	TVT 25mm Cart	NTFK25YA01
MT-07/Tracer700/XSR700	14-18	TVT 22mm Cart	NTFK22YA13
MT-09/Tracer900/XSR900	14-20	TVT 25mm Cart	NTFK25YA02
MT-10	16-	TVT 25mm Cart	NTFK25YA05
YZF-R1	98-01	TVT 25mm Cart	NTFK25YA07
YZF-R1	04-06	TVT 25mm Cart	NTFK25YA08
YZF-R1	09-14	TVT 25mm Cart	NTFK25YA04
YZF-R1	15-22	TVT 25mm Cart	NTFK25YA06
YZF-R6	08-15	TVT 25mm Cart	NTFK25YA03
YZF-R6	16	TVT 25mm Cart	NTFK25YA10
YZF-R6	17-22	TVT 25mm Cart	NTFK25YA09
YZF-R7	22-	TVT 25mm Cart	NTFK25YA20
YZF-R25/3	14-18	TVT 22mm Cart	NTFK22YA12

TRIUMPH	YEAR	FORK TYPE	PRODUCT CODE
Daytona675	09-12	TVT 25mm Cart	NTFK25TR01
Daytona675	13-16	TVT 25mm Cart	NTFK25TR02
Speed Triple	16-20	TVT 25mm Cart	NTFK25TR12
Street Twin	16-20	TVT 22mm Cart	NTFK22TR11
Speed Twin	19-20	TVT 22mm Cart	NTFK22TR09
Speed Twin	21-	TVT 22mm Cart	NTFK22TR18
Trident660	21-	TVT 22mm Cart	NTFK22TR13
Bonneville T100/SE	08-15	TVT 22mm Cart	NTFK22TR16
Tiger Sport660	22-	TVT 22mm Cart	NTFK22TR17
Street Scrambler / Scrambler900	17-	TVT 22mm Cart	NTFK22TR19

PRICE	Model	Price (JPY)	Note
	NTR TVT PRO	JPY 198,000	(Excluded the tax and labor cost)
	NTR TVT	JPY 178,000	(Excluded the tax and labor cost)
	NTR TVT22	JPY 138,000	(Excluded the tax and labor cost)



NITRON TVT Equipped KAWASAKI Z900RS 2023 Model



We strongly advise to leave the cartridge kit installation to NITRON service center. Please contact the NITRON JAPAN Service Center (+81)48-795-4425 for more details.

Installation fee reference price

KAWASAKI Z900RS
Standard Installation Fee JPY 33,000
Replacement of consumables JPY 8,600
Please inquire about the fee as it varies depending on the motorcycle model.

NITRON MONO Shock RACE PRO Series

SHOCK STYLE ID

M8 M9 M15

Design of reservoir tank varies by bike. Please refer to the lineup list (P11-16) to check reservoir type.

3WAY Damping Adjuster

STREET / SPORT RIDE / RACE

The highest response only the high-end provides to suite all scenes

JPY 168,000~

The price for the models equipping hydraulic preload adjuster (HPA) as standard is different from standard price. For more detail, please refer to the lineup list (P11-16).

Independence Adjuster 3way

Compression High/16click

Compression Low/18click

Rebound/24click

Preload Adjuster

Height Adjuster

Full Alloy Body AI

Outside Type Reservoir Tank

46mm Body Tube

16mm Piston Rod



M8

PIGGYBACK Reservoir Type

NTBKS27RP-TQ SUZUKI GSX-R1000 '09-

TITANIUM BLACK SPRING CHANGE FREE!

THE HIGH END MODEL DEDICATED TO SUPER SPORT EQUIPPING 46MM BODY TUBE NITRON

NITRON provides super sport bike with a high performance shock absorber dedicated to super sport bike which requires more severe damping set. It equips the complete independent 3 way adjuster common to RACE series.

Enlarging the diameter of body to 46mm from conventional 40mm, a larger piston can receive more oil pressure to reduce the resistance of oil flow.

The piston enables to improve damping response at very slow range while maintaining the damping force at high speed range. It also enables to maintain oil quality and keeps ideal damping quality even under severe conditions. RACE PRO series receive feedback from hard race scenes in England such as Isle of Man TT.

The shock unveils hidden potential dedicated only to super sport.

Spring colour can be selected from either NITRON's colour, turquoise (last digits of model number : TQ) or classic titanium black (last digits of model number : TB).



Image when hydraulic preload adjuster (HPA) is equipped. NTBKT01RP TRIUMPH DAYTONA675 06-

NITRON MONO Shock NTR R3 Series

SHOCK STYLE ID

M5 M6 M13 M14 M23 M28

Design of reservoir tank varies by bike. Please refer to the lineup list (P11-16) to check reservoir type.

3WAY Damping Adjuster

STREET / SPORT RIDE / RACE

RESPONDS HIGHLY IN VARIOUS SCENES FROM STREET TO CIRCUIT

JPY 149,000~

The price for the models equipping hydraulic preload adjuster (HPA) as standard or using special bracket is different from standard price. For more detail, please refer to the lineup list (P11-16).

Independence Adjuster 3way

Compression Low/18click

Preload Adjuster

Full Alloy Body AI

Outside Type Reservoir Tank

Height Adjuster

Compression High/16click

Rebound/24click

TITANIUM BLACK SPRING CHANGE FREE!

FLAGSHIP MODEL EQUIPPING COMPLETELY INDEPENDENT FULL SPEC 3 WAY ADJUSTER

2 way (low/high speed) for compression and 1 way for rebound. Total 3 way damper adjust system is a standard equipment. 2 way compression adjuster enables to obtain traction at low speed range while load is small and provides stability at high speed range while heavy load is given. It fully satisfies various levels of riders having various purposes and various demands from street to race use. Furthermore, this 3 way adjuster has NITRON's unique system which enables to make completely independent and accurate adjustment not interfering other adjusting system. Height adjuster is equipped to all models. (except some bikes) The NITRON's highest model with full adjust systems for damper, spring, and height control which are all necessary for the shock. Spring colour can be selected from either NITRON's colour, turquoise (last digits of model number : TQ) or classic titanium black (last digits of model number : TB).



M6 PIGGYBACK Reservoir Type

NTBKK29R-TQ KAWASAKI ZX-6R 07-08



M5 HOSE Reservoir Type

NTBKJ03R-TQ HONDA VT250Spade 88-

M23

PIGGYBACK Reservoir Type



NTBKD24R-TQ DUCATI SCRAMBLER Sixty2 16-

NITRON MONO Shock NTR R2 Series

SHOCK STYLE ID

M2 M3 M11 M12 M24 M29

Design of reservoir tank varies by bike. Please refer to the lineup list (P11-16) to check reservoir type.

NITRON MONO Shock NTR R1 Series

SHOCK STYLE ID

M1 M10

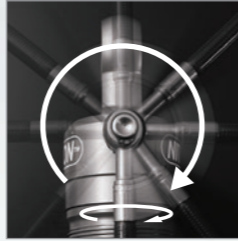
2WAY Damping Adjuster

STREET SPORT RIDE RACE

Handles vastly from street to hard sport riding

JPY 139,000~

Models equipping hydraulic preload adjuster (HPA) as standard or using special bracket have different price from standard price. For more detail, please refer to the lineup list (P11-16).



Hose banjo rotates 720°. Advanced fitting which makes easy to fit reservoir to bike. NITRON's original.

Independence Adjuster 2way Compression 16click

Rebound/24click- Preload Adjuster

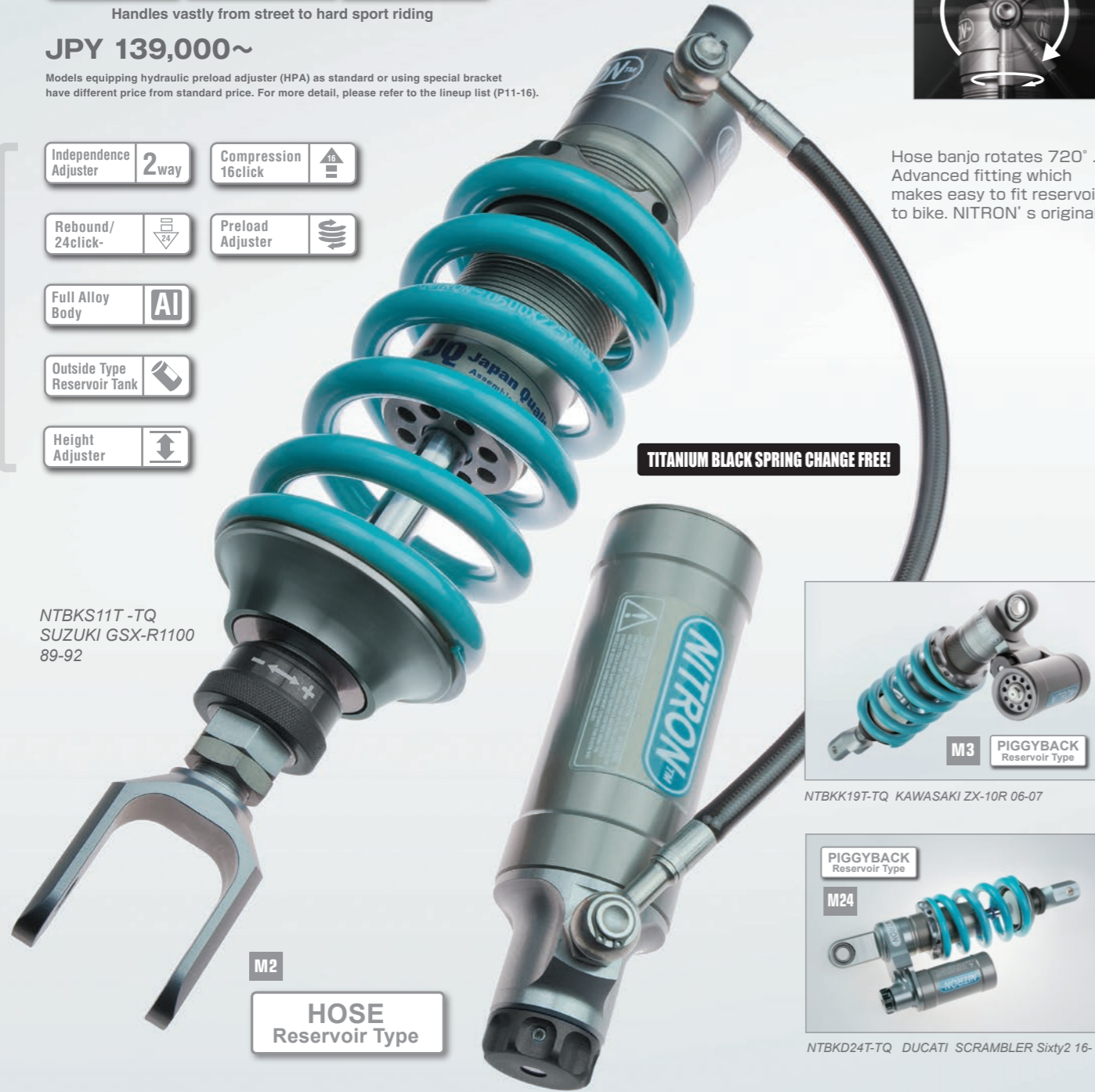
Full Alloy Body AI

Outside Type Reservoir Tank

Height Adjuster

TITANIUM BLACK SPRING CHANGE FREE!

NTBKS11T-TQ
SUZUKI GSX-R1100
89-92



NTBKK19T-TQ KAWASAKI ZX-10R 06-07



NTBKD24T-TQ DUCATI SCRAMBLER Sixty2 16-

M2
HOSE Reservoir Type

EQUIPS COMPLETELY INDEPENDENT 2 SYSTEMS FOR REBOUND/COMPRESSION ADJUSTER. THE MODEL EQUIPPING STANDARD EXTERNAL RESERVIOR TANK

NITRON's middle range model which inherits the high spec from the top model, NTR R3 series.

1 way for compression and 1 way for rebound. Total 2 way damper adjust system is standard equipment.

Like NTR R3 series, wide damper adjust system can be utilized based on riders' demands from street to sport riding.

(Basic structure is the same as NTR R3 series. Only compression adjuster differs.) Spring colour can be selected from either NITRON's colour, turquoise (last digits of model number : TQ) or classic titanium black (last digits of model number : TB).

1WAY Damping Adjuster

STREET SPORT RIDE RACE

For the basic street riding

JPY 105,000~

Models equipping hydraulic preload adjuster (HPA) as standard or using special bracket have different price from standard price. For more detail, please refer to the lineup list (P11-16).

Reversible Rebound/24click-

Preload Adjuster

Full Alloy Body AI

Height Adjuster

TURQUOISE SPRING CHANGE FREE!

M1

INTERNAL Reservoir Type

Only internal reservoir type (inside of shock) is available

NTBKH71S-TB HONDA CBR150R 16-
TITANIUM BLACK SPRING VERSION

BASIC SPEC REMAINS SIMPLE ADJUSTMENT MODEL TO EXCEL IN COST PERFORMANCE

This is what NITRON thinks a basic shock absorber which equips reservoir tank inside shock body. Although 1 way damper adjust system is simple to control both compression and rebound, it provides wide adjustability. By free piston oil and gas are divided completely. And damping quality can be maintained for many hours. Body and rod use the same material as NTR R3/NTR R2 series. Preciseness is maintained in the same manner. In addition ride height adjuster is equipped to most models. (except a few models) Although it has a simple structure, the shock absorber sticks to NITRON's philosophy to suite street and touring use. Spring colour can be selected from either NITRON's colour, turquoise (last digits of model number : TQ) or classic titanium black (last digits of model number : TB).

NITRON MONO Shock

NITRON MONO Shock

NITRON MONO Shock ADVENTURE

SHOCK STYLE ID

M30

M31

M32

M33

M34

M35

TITANIUM BLACK SPRING CHANGE FREE!



Design of reservoir tank varies by bike.
Please refer to the lineup list (P11-16)
to check reservoir type.

MORE COMFORTABLE MORE DISTANT THE COMFORT SHOCK DEDICATED TO ADVENTURERS

Carrying fully loaded baggages on its massive body adventure machine goes for its destination through wild off road. What is required for the suspension is toughness to endure no matter how hard the condition is. At the same time comfort for long ride is critical. NITRON selects to use a large 46mm body tube and 16mm piston rod to ensure the toughness and the comfort. NITRON's C.E.O., Guy Evans thoroughly tested the shock in the harsh dirt riding to cross American continent spending one month. While NITRON's unique high adjustability remains, it ensures smooth movement required for adventure machine. Spring colour can be selected from either NITRON's colour, turquoise (last digits of model number : TQ) or classic titanium black (last digits of model number : TB).



NTBKH62R-TQ
HONDA CRF1000L AfricaTwin 16-
The model equipping NITRON
hydraulic preload adjuster.

M33

PIGGYBACK
Reservoir Type

ADVENTURE R3 Series 3WAY Damping Adjuster

STREET / SPORT RIDE / RACE

Respond to hardest requirements in the adventure field with adequate capacity.

Independence Adjuster	3 way	Compression Low/18click-	Compression High/16click	Rebound/24click-	Preload Adjuster
Height Adjuster	Full Alloy Body	AI	Outside Type Reservoir Tank	46mm Body Tube	16mm Piston Rod



M30

HOSE
Reservoir Type

NTBKT14R-TQ TRIUMPH TIGER800 XR/XRX 11-15

JPY 168,000~

Models equipping hydraulic preload adjuster (HPA) as standard or using special bracket have different price from standard price. For more detail, please refer to the lineup list (P11-16).

ADVENTURE R2 Series

2WAY Damping Adjuster

STREET / SPORT RIDE / RACE

Complying with various situations with wide adjustability.

JPY 158,000~

Models equipping hydraulic preload adjuster (HPA) as standard or using special bracket have different price from standard price. For more detail, please refer to the lineup list (P11-16).



PIGGYBACK
Reservoir Type

NTBKH62T-TQ
HONDA CRF1000L AfricaTwin 16-

M34

Independence Adjuster	3 way	Compression 16click	Rebound/24click-	Preload Adjuster
Height Adjuster	Full Alloy Body	AI	Outside Type Reservoir Tank	46mm Body Tube
				16mm Piston Rod

ADVENTURE R1 Series

1WAY Damping Adjuster

STREET / SPORT RIDE / RACE

Basic shock intended to comfort for street and touring.

JPY 118,000~

Models equipping hydraulic preload adjuster (HPA) as standard or using special bracket have different price from standard price. For more detail, please refer to the lineup list (P11-16).



INTERNAL
Reservoir Type

NTBKH62S-TQ
HONDA CRF1000L AfricaTwin 16-

M35

Reversible Rebound/24click-	Preload Adjuster	Height Adjuster	Full Alloy Body	AI	46mm Body Tube	16mm Piston Rod
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MONO Shock Option (equips as standard for some bikes)

Hydraulic Preload Adjuster (HPA)

This is able to equip as option on Nitron Mono shock. The adjuster enables to change the setting quickly for tandem or baggage loading. It can also add approximately 10mm spring preload than standard setting. The whole adjuster body is made from high quality cut aluminum to gain durability and rigidness as same as shock body. In addition, Nitron logotype leaser etch is applied on grip body and on preload body (only RACE PRO / ADVENTURE Series). Moreover, one side of hose-end rotates 360 degree to fit the bike easily although no specific fitting space. Obtain both function and aesthetic design in HPA too, that's Nitron philosophy to provide high-quality products. There are 2 type of installing grips, install on a bike itself and another one fixed on a reservoir tank. Please see website or ask us more details. In case of purchasing as a single HPA itself, may require change the spring length.

HOSE TYPE RACE PRO / ADVENTURE

Shock set NTPA0146 JPY 37,000
Purchasing as single NTPA0246 JPY 40,000



46mm model has laser etched logo also on preload body.

HOSE TYPE NTR R3/R2/R1

Shock set NTPA01 JPY 37,000
Purchasing as single NTPA02 JPY 40,000



Logo and sign for rotating direction are cool leaser etch.

BODY INTEGRATED TYPE NTR R3/R2/R1

Shock set NTPA01-I JPY 37,000
Purchasing as single NTPA02-I JPY 40,000



Compact design integrated HPA can preload adjusts by a tool.

NITRON MONO Shock Fitting Image

Visit our web-site for more images, other bikes, close-up images >>> www.nitron.jp



KAWASAKI
Z650RS '22-

NTR R3 Series NTBKH73R JPY 198,000
The dedicated bracket, NITRON hydraulic preload adjuster are equips as standard.



SUZUKI HAYABUSA '21-

NTR RACE PRO Series NTBKS66RP JPY 205,000
NITRON hydraulic preload adjuster will be as option.



HONDA HAWK 11 '22-

NTR R3 Series NTBKH102R JPY 186,000
NITRON hydraulic preload adjuster are equips as standard.



YAMAHA YZF-R7 '22-

NTR R3 Series NTBKY80R JPY 198,000
The dedicated bracket, NITRON hydraulic preload adjuster are equips as standard.

NITRON TWIN Shock TWIN R3 Series

SHOCK STYLE ID

M18 M38

3WAY Damping Adjuster

STREET / SPORT RIDE / RACE

High damping performance in every scene from the street to the circuit

JPY 178,000

TSH01RT-BK
HONDA CB1300 03-

TITANIUM TWIN R3 Series
Black Spring



Independence Adjuster 3 way

Compression Low/18click

Compression High/18click

Rebound/16click

Preload Adjuster

Height Adjuster

Full Alloy Body

Outside Type Reservoir Tank

M18

PIGGYBACK Reservoir Type

Piggyback reservoir tank type

NITRON TWIN Shock

EQUIPPED WITH 3-WAY DAMPING ADJUSTER HIGH PERFORMANCE TWIN SHOCK IN EVERY ROAD CONDITION



It's a high spec. twin shock released by NITRON. Like MONO shock NTR R3 series, the shock equips full spec damping adjuster, 2 way (low/high) for compression and 1 way for rebound. The shock utilizes as many machined aluminum parts as possible. In addition to beautiful appearance, the shock maintains such the high performance as lightness and high heat radiation pursuing new potential of shock absorber. Compression damping system adopts needle and belleville disk system*1 which is common to NITRON MONO Shock series as wide adjustability and accurate damping adjustment by click adjuster. Rebound damping system applies super low resistance one way valve*2 and round style damping needle which has been completed through longstanding development in order to have both complete independent adjustment and accuracy equivalent to compression adjustment. The damping feel provided by radical low friction technology, advanced adjustability, and ultra-light aluminum body leads the rider to the highest ever level.

*1 Spherical spring. With its thickness, combinations, and preload, damping force can be changed.
*2 NITRON has been adopting shim style one way valve to improve oil flow. Because movement at low speed range is more significant for twin shocks, special technic is added to improve the oil flow more.

COORDINATE 2 TYPES OF SPRING WITH 3 TYPES OF THEME COLOR

NITRON TWIN Shock R3 series have had first minor change after 7 years since its debut. Reservoir tank has been enlarged in order to stabilize oil temperature during riding. 3 color variations are available to select from the theme colors, titanium, gold, and black*3. For spring, either black or turquoise, NITRON color can be chosen. Total 6 patterns are available to select in accordance with machine's image or coordination.

*3 parts, upper collet, bottom collet, and reservoir tank cover can be changed to theme colors. Colors for following parts are common: High speed compression adjuster=black, rebound adjuster=black, Low speed compression adjuster=silver, sticker=turquoise. Please refer to below photos for color variations.

TITANIUM TWIN R3



TITANIUM TWIN R3 Series
TURQUOISE SPRING

GOLD TWIN R3



GOLD TWIN R3 Series
TURQUOISE SPRING

BLACK TWIN R3



BLACK TWIN R3 Series
TURQUOISE SPRING



TITANIUM TWIN R3 Series
BLACK SPRING



GOLD TWIN R3 Series
BLACK SPRING



BLACK TWIN R3 Series
BLACK SPRING

NITRON TWIN Shock TWIN R1 Series

SHOCK STYLE ID

M17

1WAY Damping Adjuster

STREET / SPORT RIDE / RACE

Street riding oriented basic rear shock absorber

JPY 105,000

Reversible Rebound/24click



Preload Adjuster



Full Alloy Body



Height Adjuster



EMULSION Reservoir Type

M17

Built-in type reservoir tank



TITANIUM TWIN R1



TITANIUM TWIN R1 Series
TURQUOISE SPRING



TITANIUM TWIN R1 Series
BLACK SPRING

GOLD TWIN R1



GOLD TWIN R1 Series
TURQUOISE SPRING



GOLD TWIN R1 Series
BLACK SPRING

BLACK TWIN R1



BLACK TWIN R1 Series
TURQUOISE SPRING



BLACK TWIN R1 Series
BLACK SPRING

STREET ORIENTED LOW-COST HIGH-PERFORMANCE REAR SHOCK ABSORBER WITH BASIC DESIGN

Supple movement and stability. Simple style shock absorber comprising basic performance required for twin shocks. It's a basic model but equips damping adjuster which enables to respond individual rider's preference in various scenes. Main parts such as body and endeye are common to upper model, TWIN R3 Series. Unlike other simple shocks, no single compromise is made. It's a reasonable model. However, the shocks are street oriented twin shocks which succeed NITRON's philosophy. Like TWIN R3 series, 6 color variations are available to select.

TSK03SB-BK
KAWASAKI ZEPHYR1100

BLACK TWIN R1 Series
BLACK SPRING

TWIN Shock Option Compatible for Twin R3 series/ R1 series

Long End Eye

Optional end eye which enable to extend NITRON TWIN Shock length. +10mm / +20mm are available. A set of left and right piece. Equip spherical bearing. NITRON TWIN Shock long end eye. Black color (for STEALTH TWIN) is available also.

Height extension end eye (Extends +10mm)
NTTE10 JPY 12,000

Height extension end eye (Extends +20mm)
NTTE20 JPY 12,000



Aluminum material spherical bearing. Featuring design and functionality

NITRON TWIN Shock Fitting Image Some bikes in images may equip old type shock.

For more vehicle images, visit Nitron Japan homepage. >>> www.nitron.jp



HONDA GB350 '21-

TSH24S JPY 105,000



KAWASAKI ZRX1200 DAEG

TSK02RS JPY 198,000



YAMAHA SR400 '19-

TSY03R JPY 178,000



TRIUMPH STREET CUP '17-

TST06S JPY 105,000



Harley-Davidson Forty-Eight '11-15

TSHD10SS JPY 125,000



HONDA Dax125 '22-

TSH28S JPY 105,000

NITRON TWIN Shock
STEALTH TWIN

SHOCK STYLE ID

M25 M26

SIMPLE YET ELEGANT "FULL BLACK" DESIGN
"STEALTH TWIN" COMES WITH DLC DAMPER ROD

PIGGYBACK
 Reservoir Type M26

TSY01RS
 YAMAHA XJR1200/1300



STEALTH TWIN R3 Series

3WAY Damping Adjuster

STREET / SPORT RIDE / RACE

Professional race use to street scene

JPY 198,000

- Independence Adjuster 3way
- Compression Low/18click-
- Compression High/18click
- Rebound/16click-
- Preload Adjuster
- Height Adjuster
- Full Alloy Body
- Outside Type Reservoir Tank
- DLC Damper Piston Rod

NITRON TWIN Shock

Full black stealth twin can match your strictly custom bike. Daring to abandon colorful fashion, it pursues stealth characteristic to assimilate to machine as its name shows. Damper piston rod is colored in fully black. In addition, DLC (Diamond like Carbon) is coated in order to have more smooth movement. The maximal black-out appearance fascinates riders with its particular mood. Stealth Twin shock line up are variety bikes as same as NITRON TWIN shock series.



EMULSION
 Reservoir Type M25

TSK06SS
 KAWASAKI W800

STEALTH TWIN R1 Series

1WAY Damping Adjuster

STREET / SPORT RIDE / RACE

Street riding oriented basic rear shock absorber

JPY 125,000

- Reversible Rebound/24click-
- Height Adjuster
- Preload Adjuster
- DLC Damper Piston Rod

NITRON MINI Shock

SHOCK STYLE ID

M21 M19 M22

REAL RACING MINI SHOCK DERIVED FROM NITRON RACING COMPETITION SCENE

MINI R1 Series

EMULSION Reservoir Type

M19

Built-in reservoir tank type
NTBKMNH02S APE50/100



MINI R3 Series

HOSE Reservoir Type

M21

NTBKMNH01R HONDA NSF100

PIGGYBACK Reservoir Type



M6

Please refer to (P11-16) for detailed shock absorber style information.

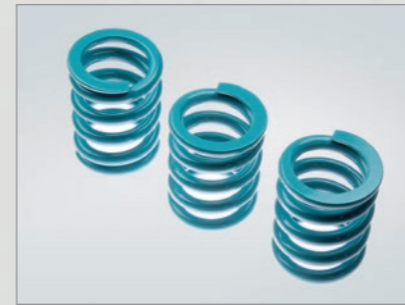
NITRON MINI Shock LINEUP

- HONDA** NSF100 NSR mini APE50/100*¹
XR50/100 MOTARD*¹ GROM / MSX125 (13-15/16-20/21-)*²
- KAWASAKI** KSR110 Z125PRO (All model year)

*¹ Due to interference to the vehicle body, ride height adjuster isn't compatible with APE50/100, XR50/100 MOTARD Series. Please note that if ride height adjuster is needed for race purpose, bike modification is needed.
*² All Honda GROM / MSX125 series does not equip with a vehicle height adjuster. (13-15) and (16-20) model year MINI R3 series is a piggyback type (see photo above). (16-20) and (21-) model spring selection is not available. Please refer to the NITRON HP for detailed shapes.

NITRON MINI Shock

It's a real minibike racing shock which is the re-make of NITRON MONO shock basically designed for big bike. NTR R3 series equips NITRON's unique full spec. independent 3 way adjuster to enable to respond to rider's various demands in various racing fields. Of course, it utilizes as many machined aluminum parts as possible in order to maintain heat radiation and rigidity. Under harsh race scene, it keeps supplying stable damping quality. Assuming to be used for race, it has 3 spring rate variations, 18kg/mm (NSF100: 19kg/mm) as standard, including 19kg/mm and 20kg/mm. The spring can be selected at standard price when you place an order. (except GROM/Z125PRO)



MINI R3 Series

3WAY Damping Adjuster

STREET / SPORT RIDE / RACE

JPY 115,000~

Professional race use to street scene

Independence Adjuster	3way	Compression High/16click	16	Compression Low/18click-	18	Rebound/16click-	16
Preload Adjuster		Height Adjuster		Full Alloy Body	AI	Outside Type Reservoir Tank	

M21



THE HIGHER END MINI BIKE SHOCK BUILT WITHOUT ANY COMPROMISES FOR DAMPING PERFORMANCE

MINI R1 Series

1WAY Damping Adjuster

STREET / SPORT RIDE / RACE

JPY 63,000

Street riding oriented basic rear shock absorber

Reversible Rebound/24click-	24	Preload Adjuster		Full Alloy Body	AI	Height Adjuster	
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M19



SIMPLE BUT HIGH SPEC STREET MODEL

NITRON MINI Shock Fitting Image

For more vehicle images, visit Nitron Japan homepage. >>> www.nitron.jp



NITRON Shock Absorber LOW-DOWN Version

NITRON Made to Order System Make Lowdown Spec with Same Cost Possible

NITRON offer "Assembled in Japan" system with parts that manufactured in the UK in which in accordance with NITRON philosophy to create the shock to fit each individual customer. NITRON provide lowered shocks the same price and performance. If you worry about riding on higher bike or seek for lowered rear shock, don't hesitate to ask us.



-30mm Lowdown comparing to OEM

Seat height 770mm
(OEM 800mm)

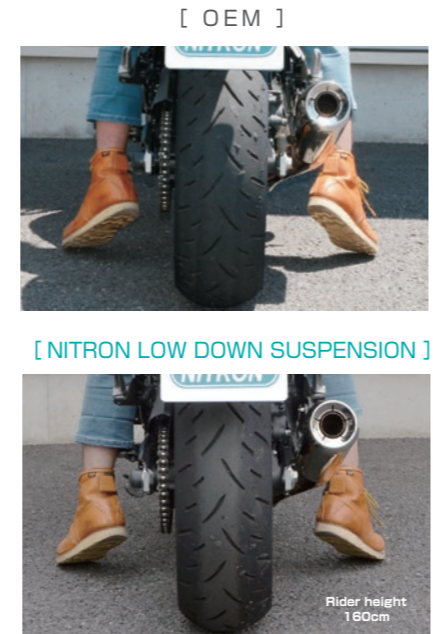
KAWASAKI
Z900RS '17

Ground clearance 115mm OEM side stand applicable

The actual picture might be vary

30mm lower suspension than OEM with 115mm ground clearance improving ground feet contact. Improved comfort with lowered seat height for Z900RS.

Z900RS OEM ground feet contact comparison



[OEM]

[NITRON LOW DOWN SUSPENSION]

Rider height 160cm

Caution: Please note that the ground contact test might vary depending on the environment condition and vehicle condition.

Improved ground feet contact while maintaining high suspension performance.

Actual bike dimension measured and analyzed to make lowered rear shock absorber while keeping the shock absorber performance. NITRON lowered shock absorber offer more comfortable, high-quality damping performance.

CB250R feet ground contact OEM comparison

30mm lowered shock improved feet contact to the ground comparing to OEM. 135mm ground clearance is secured improving comfortability and control.

[OEM]

[NITRON LOW DOWN SUSPENSION]



Rider's height 154cm

Caution: Please note that the ground contact test might vary depending on the environment condition and vehicle condition.

For customer who seek for lowdown shock other than the available lineup

» Don't hesitate to ask us to find out lower shock data and record.

» HOW TO ORDER

Make sure to fill lowdown shock request when ordering or fill lower shock on the remark column of order form or website order.

For more lowdown shock absorber information, visit Nitron Japan website!

www.nitron.jp

NITRON Lowering Suspension kit



LOWERING SUSPENSION KIT WHICH ENABLES SUFFICIENT LOWDOWN WITHOUT SPOILING THE PERFORMANCE



YAMAHA
MT-09
Tracer
'15

Photo: YAMAHA MT-09 Tracer 15-
NITRON Lowering Suspension Kit
NTR R3 Series Base

Seat height: 820mm
(OEM: 860mm)

-40mm lowdown compared to OEM

Required short side stand*

Ground clearance 115mm

* Short side stand is not included. Please prepare separately. Recommended product: PROTO Short stand PHS350A



Photo: YAMAHA MT-09 Tracer 15-
NITRON Lowering Suspension Kit
NTR R1 Series

The picture shows the reference and maybe differ to actual product.

"Providing customized UK high quality shock for Japanese riders"

NITRON JAPAN has realized the concept for a long time in various ways. The problem of seat height which comes from the difference of body posture between Europeans and Asian rider are unavoidable. NITRON JAPAN develop and test each lineup to match Asian riding postures. As the result NITRON JAPAN has released various lowdown shocks so far. We have met the requests from the riders who want to ride large bike comfortably. In the development of NITRON lowering suspension kit lowdown rear shock and lowdown fork spring have been developed simultaneously. To ensure sufficient lowdown is given without changing linkage lever ratio enables lowdown without trade off the shock performance.

We recommend to leave the shock installation to specialized shop.

MT-09 Tracer feet ground contact OEM comparison

40mm lowered shock improved feet contact to the ground comparing to OEM. 115mm ground clearance is secured improving big bike MT-09 Tracer comfortability and control.

[OEM]

[NITRON LOWERING SUSPENSION KIT]



Rider height : 170cm

Caution: Please note that the ground contact test might vary depending on the environment condition and vehicle condition.

LINEUP

YAMAHA MT-09 Tracer (15-)
Rear Shock: NITRON MONO Shock R3 Series NTBK Y61LSKR JPY226,000
Rear Shock: NITRON MONO Shock R2 Series NTBK Y61LSKT JPY216,000
Rear Shock: NITRON MONO Shock R1 Series NTBK Y61LSKS JPY133,000

YAMAHA MT-07 (14-)
Rear Shock: NITRON MONO Shock R3 Series NTBK Y56LSKR JPY226,000
Rear Shock: NITRON MONO Shock R2 Series NTBK Y56LSKT JPY216,000
Rear Shock: NITRON MONO Shock R1 Series NTBK Y56LSKS JPY133,000

KIT contents

- NITRON low down shock
- NITRON low down fork spring kit
- NITRON Japan spec front fork oil



HONDA ADV150 '20-
NITRON TWIN R3 TSH21R

NITRON for Scooter

For more lineup detail refer to P11-16.

High quality comfortable twin shock for scooter

Sporty high-performance feature derived from race performance shock absorber enhanced by daily riding modification make NITRON Scooter lineup performance more comfort. Directly influenced by Japanese motorcycle customs. We enhance the scooter handling by using high quality shock absorber that used in the same materials with super sports model. Shock structure is as same as NITRON TWIN Shock (Please refer P27-32). However, some models have different shock structure.



HONDA FORZA '21-
NITRON TWIN R3 TSH25R / NITRON TWIN R1 TSH25S
NITRON STEALTH TWIN R3 TSH25RS / NITRON STEALTH TWIN R1 TSH25SS



HONDA ADV150 '20-
NITRON TWIN R3 TSH21R



HONDA PCX '18-
NITRON TWIN R3 TSH20R



CYGNUS X (Model 4)
NITRON TWIN R3 TSY07R / NITRON TWIN R1 TSY07S
NITRON STEALTH TWIN R3 TSY07RS / NITRON STEALTH TWIN R1 TSY07SS



CYGNUS X (Model 5)
NITRON TWIN R3 TSY07R / NITRON TWIN R1 TSY07S
NITRON STEALTH TWIN R3 TSY07RS / NITRON STEALTH TWIN R1 TSY07SS



CYGNUS-X,R3-Series equipped with black reservoir tank
Default color: titanium



PCX/ADV150 upside down shock shape. Equipped with special clevis (mounting part) without a spherical bearing.

Offer Japan Quality Factory Model and Flexible Made-to-Order Custom Specification

FACTORY MODEL

COMPLETE JAPAN QUALITY ASSEMBLY FACTORY MODEL. UNAVAILABLE LINEUP MODEL INCLUDING LOWDOWN MODELS IS BUILDABLE*.

Factory model racing shock is enabled thanks to various parts stock availability in Japan. NITRON has been spent a countless time to develop factory model shock by applied racing scene knowledge and experience. NITRON always open to factory model racing shock request from every layer of customer with different applications. Extensive design, damping character analysis, and conformity testing are repeated to ensure customer requirement are fulfilled. In addition, lowdown request is also possible (Please refer to P30 for more detail).

*Some models are impossible to build due to shock's structure. Factory model fee JPY10,000 will be charged when the model is built for the first time. In special case extra parts processing cost is required. For more detail, please contact us.



OEM shock dimension, damper characteristic, and other data is being taken.

CUSTOM MODEL

CUSTOM RACING SHOCK FOR ORIGINAL MODEL & FULL CUSTOMIZED BIKE. NO EXTRA COST CHARGED FOR FULL CUSTOMIZATION ORDER*.

When it comes to original model with a complete one-off frame or fully customized machine, especially the machine with changed link ratio due to modified swing arm, the rear shock needs several changes to be synchronous with the new vehicle dimension. NITRON receive customer special order for customize shock length, stroke, spring rate, and hose length. In case the shock is built using regular components and didn't need any special parts, the price remains the same as the regular lineup. Order can be placed by sending order sheet by fax (+81-48-795-4424). Order sheet can be downloaded on our HP (download page on www.nitron.jp). Customers can also bring bike to us. Please feel free to contact us for more detail.

* Please note some models are impossible to build due to shock's structure. Extra JPY10,000 is charged when factory model is built for the first time. And extra cost is required in the case special processing is needed or newly designed clevis is made. For more detail, please contact us.



Custom Dirt Track Bike / ICON1000 DEATHGRIP (2015 Kawasaki Vulcan 650S)

PRODUCTION EXAMPLES

A part of custom shocks examples. Full list of production examples is available on NITRON JAPAN web-site. (English web-site will be available soon)

NITRON has produced factory models for various machines, mainly for rare and old bikes. Lineup in the following is the Factory Model example. Regular price is applied for the same bike, same year model, and same type*. Please contact us in case of unknown model year.

*1 In case of same body tube diameter NTR R3 and NTR R2 series can be build.

*2 Special clevis is required. The clevis costs JPY30,000. Notice: We have not checked the below bikes for fitting installation. Please note in some cases the installation requires modify to the bike.

KAWASAKI		HONDA				YAMAHA			
KR-1	NTR R2	VF750	NTR R1 '2	CBX400F	NTR R3/NTR R1	FZ400	NTR R3	CYGNUS X	TWIN R1
GPZ1000RX	NTR R1	JADE	NTR R1	VTR250F '84	NTR R3/NTR R1	SDR	NTR R3	BMW	
ZXR250 '90	NTR R3	CBR150	NTR R1	VF400F NC13	NTR R1 '2	SDR660	NTR R3	R80	NTR R3
ZZR250	NTR R3/NTR R1	CBR400F	NTR R3/NTR R1			BT1100 '03	NTR R3	R1100R	NTR R1
GPZ750 TURBO	NTR R3/NTR R1	VF1000F/R	NTR R3 '2	SUZUKI		FJ1200	NTR R2	R1200S	NTR R3
GPZ750	NTR R1	CBR1000RR(SC57)	RACE PRO	GSR400	NTR R3	SRX400 '90	NTR R1		
ZR-7	NTR R1	CBX400F	NTR R3	GSX750 S3 '84	NTR R3	FZ750	NTR R2	MOTO GUZZI	
GPZ400S	NTR R1	CBX1000	NTR R1	GOOSE250R	NTR R3	TZR250 1KT	NTR R3	V7	TWIN R1
GPZ1100F '83	NTR R1	CBX550F	NTR R3	GOOSE250/350	NTR R3/NTR R1	TZR250 2XT	NTR R3	BUELL	
GPZ400F/R	NTR R3/NTR R1	NS400R	NTR R1	GSX750F '89	NTR R3	TZR250 3MA	NTR R3	XB12R '04	NTR R3
FX400R	NTR R3	VALKYRIE	TWIN R1	GS1200SS	TWIN R1	FZX250 ZEAL	TWIN R1	XB12S	NTR R3
GPX250R	NTR R1	VTZ250	NTR R1					XB9SX '04-05	NTR R3

NITRON SHOCK ABSORBER OVERHAUL SERVICE IS ALSO AVAILABLE. PROVIDES RELIABILITY THROUGH CONSISTENT QUALITY CONTROL

OVERHAUL & MODIFICATION

Overhaul lead time is available in the NITRON website. (ENGLISH Webpage will be available soon.)

Although NITRON shock absorber is built using the highest materials and oils, it's unavoidable that the performance will decline due to deterioration of oil, decompression of gas, and wear of sliding parts. NITRON shocks have completely module structure, periodical maintenance and modify can be provided in accordance with customer requests. Once purchased, NITRON shock continues to be used by replacing and refining the parts to fit the new bike even if the customer change into the bike. It's policy of British born NITRON shock absorber, "use a good product for a long time". Along with a long 3 year warranty, NITRON supports your bike-life.

OVERHAUL PRICE

NITRON MONO Shock	JPY 22,000
NITRON MINI Shock	JPY 22,000
NITRON TWIN Shock	JPY 33,000 / 1 Set
NITRON FRONT Fork	JPY 44,000 / 1 Set

The price includes overhaul, oil change, and replacement parts such as oil seal, dust seal, shaft bush, piston ring, bottom stopper, o-ring set, and etc.

Modification and Spec Change Price

The price includes overhaul + parts. The price changes depending by customer request. Please contact us for more information.

NITRON recommends to provide periodical maintenance once every 10,000km for street use, or once every season for racing use. All maintenances will be brought at NITRON Japan service center. Dedicated staff who is periodically trained at NITRON U.K. services your shock. Please let us service your shock.