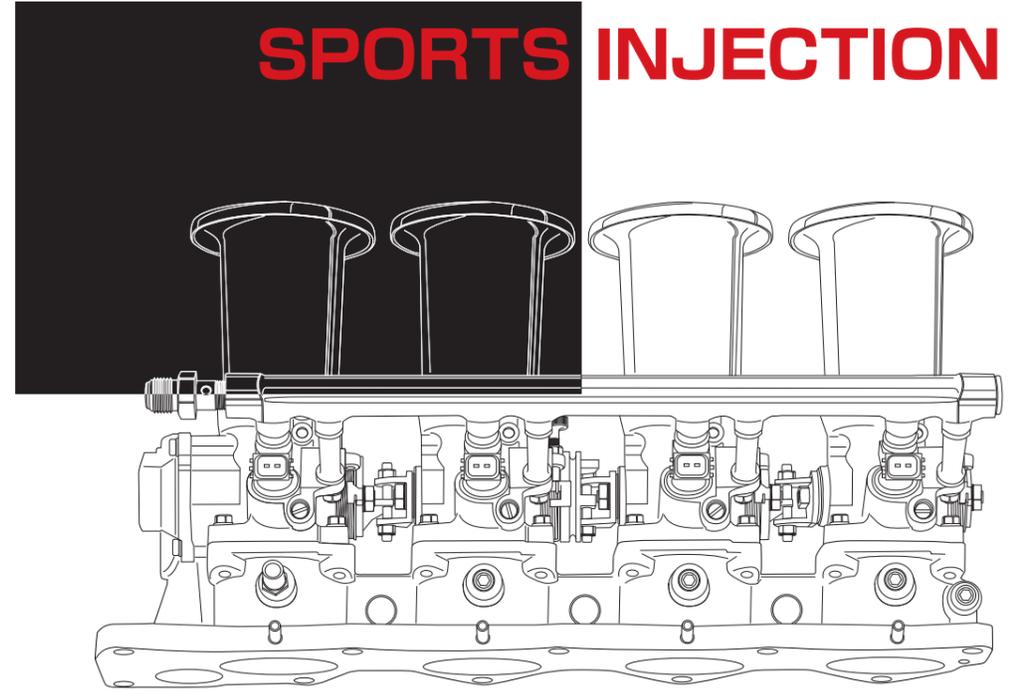


F3 2002 Driver: Hirokazu Nagaya



# SPORTS INJECTION

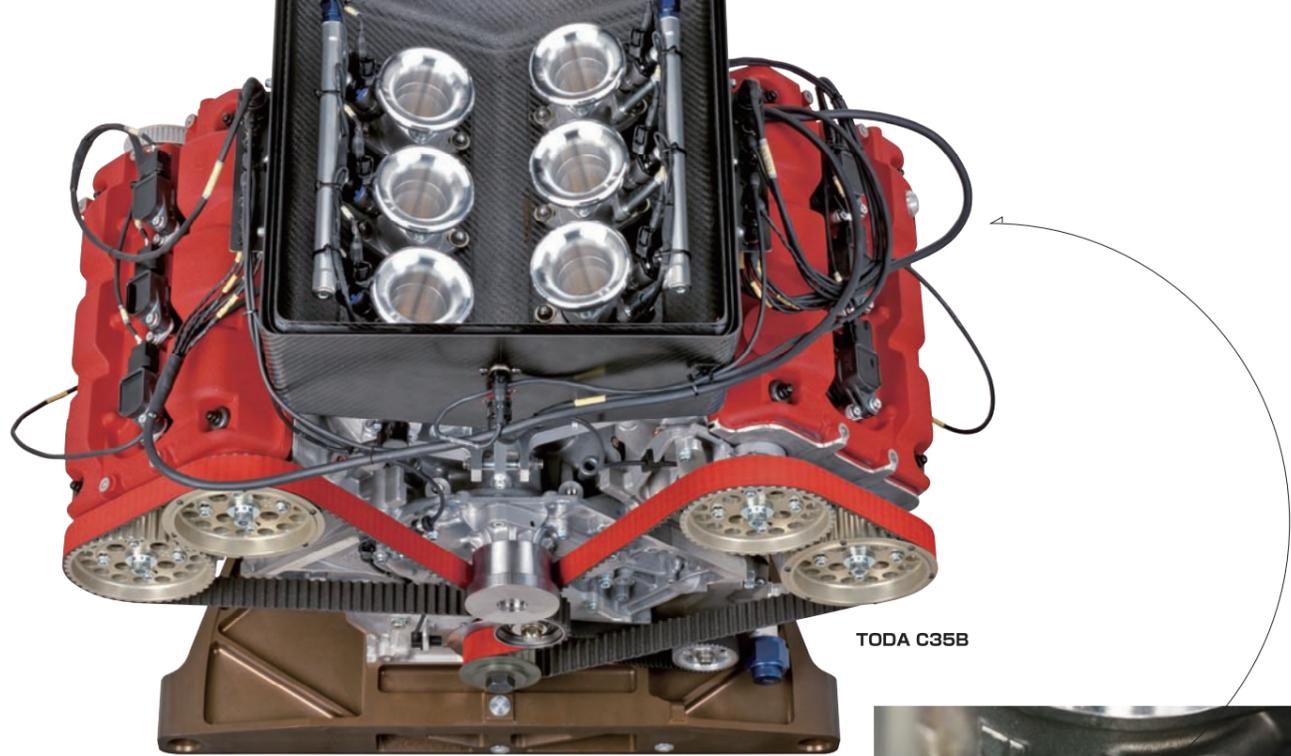


Ride of Dreams

TODA POWER PRODUCTS



- One Make
- Camshaft
- Piston
- Timing Belt
- Gasket
- Injection**
- Flywheel
- Gear Box
- Ex Manifold
- Damper
- Tuning



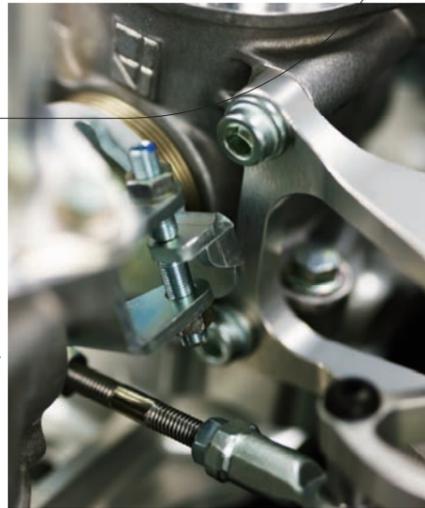
TODA C35B

## TODA Sports Injection KIT

All production is done in house so a high standard of quality is assured.

TODA sports injection KIT improves engine response and power output, through the use of one throttle body per cylinder. Effective tuning per cylinder not compromised tuning with only one throttle body. Fine tuning of the injection system brings most of benefit in the lower to mid ranges of the power band especially & the top ranges as well. Compared to an individual throttle : you also gain a smoother idling, when even you have to use large cams. (management ECU is required).

- **Super response** — The improvement of the accelerator response is due to a reduction in volume of air within the manifold.
- **Increased power (Improvement in aspiration efficiency)** —
  - Each intake is the same length.
  - Free flowing intake ports.
  - Individual throttle bodies are individually smaller in volume but collectively larger in volume.
  - Airflow bench tested trumpet.
- **Bottom & mid range Torque increase** — Reduces cylinder to cylinder breathing interference. This is due to the independent throttle bodies and more effective injector positioning.



## HONDA

### C30A/C32B/TODA C35B

C30A/C32B/TODA C35B Sports Injection KIT  
¥800,000  
Throttle valve size  $\phi$ 50mm



Based on our GT spec engine.  
An individual throttle for each cylinder. Gives super response, and improvements through out the rev range to both power and torque. Pillow-ball ends are used in the throttle linkage for both accurate and precise throttle response.  
※The standard trumpet length is 88mm.

C30A/C32B/TODA C35B Sports Injection KIT			
17100-NSX-203	¥800,000	Throttle valve size $\phi$ 50mm	Trumpet 33mm
17100-NSX-206	¥800,000	Throttle valve size $\phi$ 50mm	Trumpet 63mm
17100-NSX-208	¥800,000	Throttle valve size $\phi$ 50mm	Trumpet 88mm

※Injectors not included



## HONDA

### F20C



F20C/F22C (S2000) Sports Injection KIT  
¥280,000 Throttle valve size  $\phi$ 50mm

An individual throttle for each cylinder. Gives super response, and improvements through out the rev range to both power and torque.  
※The standard trumpet length is 88mm.  
※Delivery pipe designed to be used with standard F20C/AP1 injector nozzle size.



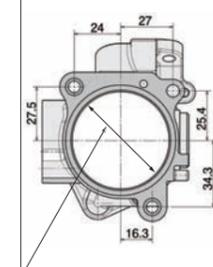
F20C/F22C Sports Injection KIT

17100-F20-203	¥280,000	Throttle valve size $\phi$ 50mm	Trumpet 33mm
17100-F20-206	¥280,000	Throttle valve size $\phi$ 50mm	Trumpet 63mm
17100-F20-208	¥280,000	Throttle valve size $\phi$ 50mm	Trumpet 88mm

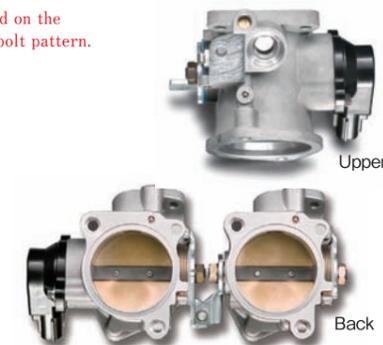
※Injectors not included

※TODA throttle body is based on the TOYOTA AE101 manifold bolt pattern.

Body flange bolt pattern



Throttle valve size :  $\phi$ 45mm· $\phi$ 50mm



F20C(AP1) Big Single Throttle  
¥50,000

Increased diameter from 62mm(stock size) to 65mm. The inlet has also been increased to a diameter of 70mm which then tapers down to the throttle diameter of 65mm. Improvements in power through the extra air that this Big Single can now flow as well as improved response.  
(No trade in required. Manufactured from new body)

- 16400-F20-100(100,110,120 model)
- 16400-F20-130(130 model)



F20C(AP1) Regulator Set Plate  
¥8,000

Fuel pressure can be adjusted by using this together with NISMO product 22670-RR580/Regulator. With service hole for fuel pressure meter (PT1/8).

※For use with standard delivery pipe.



Installed image

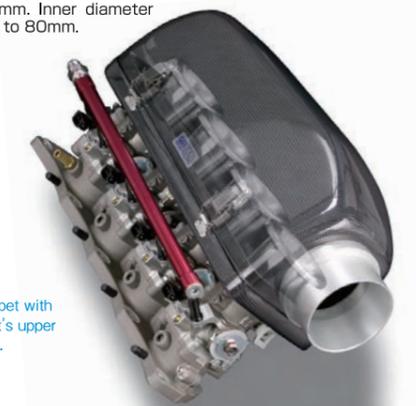
- 16611-F20-000

F20C/F22C (S2000) High Power Surge Tank  
¥85,000

Inlet outer diameter 90mm. Inner diameter tapers down from 85mm to 80mm.

- 17110-F20-000

※When you use 88mm trumpet with this surge tank ,#4 trumpet's upper clearance is 50mm approx.



※The image of trumpet length is 63mm.



## K20A EP3(DC5)/DC5(INTEGRA)

K20A(EP3/DC5) CIVIC-INTEGRA Type-R Sports Injection KIT  
¥260,000  
Throttle valve size  $\phi$ 50mm (Injectors not included)

An individual throttle for each cylinder. Gives super response, and improvements through out the rev range to both power and torque.  
※The standard trumpet length is 33mm.  
※Delivery pipe designed to be used with standard K20A/DC5 injector nozzle size.



- 17100-K20-203 / 33mm trumpet
- 17100-K20-206 / 63mm trumpet



## K20A CL7(ACCORD EURO-R)

K20A(CL7) Accord Euro-R Sports Injection KIT  
¥270,000  
Throttle valve size  $\phi$ 50mm (Injectors not included)

An individual throttle for each cylinder. Gives super response, and improvements through out the rev range to both power and torque.  
※The standard trumpet length is 63mm.  
※Delivery pipe designed to be used with standard K20A/CL7 injector nozzle size.

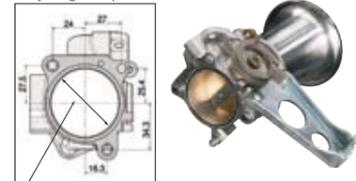


- 17100-K20-213 / 33mm trumpet
- 17100-K20-216 / 63mm trumpet



Back side of CL7 Sports Injection KIT

Body flange bolt pattern



Throttle valve size :  $\phi$ 45mm- $\phi$ 50mm  
※TODA throttle body is based on the TOYOTA AE101 manifold bolt pattern.

K20A(EP3/DC5) CIVIC-INTEGRA Type-R Big Single Throttle  
¥58,000

Increased diameter from 62mm(stock size) to 64mm. The inlet has also been increased to a diameter of 70mm which then tapers down to the throttle diameter of 65mm. Improvements in power through the extra air that this Big Single can now flow as well as improved response.  
(No trade in required. Manufactured from new body)



K20A(CL7) Accord Euro-R Big Single Throttle  
¥60,000

Increased diameter from 62mm(stock size) to 64mm. The inlet has also been increased to a diameter of 70mm which then tapers down to the throttle diameter of 65mm. Improvements in power through the extra air that this Big Single can now flow as well as improved response.  
(No trade in required. Manufactured from new body)



## K20A FD2 (CIVIC-R)

K20A(FD2) CIVIC Type-R Sports Injection KIT  
¥275,000  
Throttle valve size  $\phi$ 50mm (Injectors not included)

An individual throttle for each cylinder. Gives super response, and improvements through out the rev range to both power and torque.  
※The standard trumpet length is 63mm.  
※Delivery pipe designed to be used with standard K20A/FD2 injector nozzle size.



- 17100-K20-D13 / 33mm trumpet
- 17100-K20-D16 / 63mm trumpet



K20A(FD2) Hybrid Pedal KIT (Including Accelerator Wire)  
¥40,000

Hybrid pedal kit, designed to be used with Toda Sports Injection Kit, replaces "Drive-by-wire" with conventional throttle cable.  
※The accelerator sensor of a standard system can be used together.



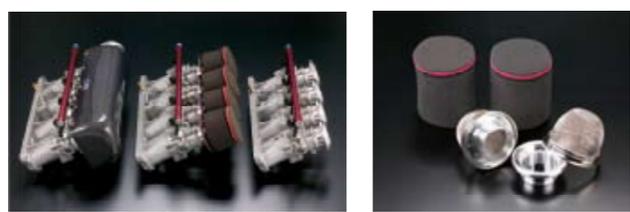
- 17800-FD2-000

Installed image The contents of a product.

Air Filter & Trumpet SUS Mesh Cover for Sports Injection of NSX/S2000/DC5/EP3/CL7/FD2

- 17220-TR0-000/ Air Filter & Trumpet SUS Mesh Cover SET ¥3,800 ×4
- 17221-TR0-000/ Air Filter ¥3,000 ×4
- 17222-TR0-000/ Trumpet SUS Mesh Cover ¥1,000 ×4

Always use trumpet mesh cover with Toda Air Cleaners.  
If not in some cases the foam filter(Toda Air Filter) may be sucked into the throttle.



## B16A/B16B/B18C-R

B16A/B16B/B18C-R Sports Injection KIT  
¥260,000 Throttle valve  $\phi$ 45mm  
¥270,000 Throttle valve  $\phi$ 50mm

An individual throttle for each cylinder. Gives super response, and improvements through out the rev range to both power and torque.  
※The standard trumpet length is 63mm.  
※Delivery pipe designed to be used with standard B16A injector nozzle size.



B16A/B16B/B18C-R Sports Injection KIT			
Throttle	17100-B16-453	¥260,000	Trumpet 33mm
Valve diameter $\phi$ 45mm	17100-B16-456	¥260,000	Trumpet 63mm
	17100-B16-458	¥260,000	Trumpet 88mm
Throttle	17100-B16-503	¥270,000	Trumpet 33mm
Valve diameter $\phi$ 50mm	17100-B16-506	¥270,000	Trumpet 63mm
	17100-B16-508	¥270,000	Trumpet 88mm

※Injectors not included

High Power Surge Tank for DC5/EP3/CL7/FD2  
¥60,000

Inlet outer diameter 80mm. Inner diameter tapers down from 75mm to 65mm.



※Please be sure to use this item together with 33mm trumpets.

## B18C

B18C Sports Injection KIT  
¥260,000 Throttle valve  $\phi$ 45mm  
¥270,000 Throttle valve  $\phi$ 50mm

An individual throttle for each cylinder. Gives super response, and improvements through out the rev range to both power and torque.  
※The standard trumpet length is 63mm.  
※Delivery pipe designed to be used with standard B16A injector nozzle size.



B18C Sports Injection KIT			
Throttle	17100-B18-453	¥260,000	Trumpet 33mm
Valve diameter $\phi$ 45mm	17100-B18-456	¥260,000	Trumpet 63mm
	17100-B18-458	¥260,000	Trumpet 88mm
Throttle	17100-B18-503	¥270,000	Trumpet 33mm
Valve diameter $\phi$ 50mm	17100-B18-506	¥270,000	Trumpet 63mm
	17100-B18-508	¥270,000	Trumpet 88mm

※Injectors not included

High Power Surge Tank for DC2/EG6  
¥80,000

Inlet outer diameter 90mm. Inner diameter tapers down from 85mm to 80mm.



※Please be sure to use this item together with 33mm trumpets.

- 17110-B16-001

Skeleton



# B16B-R/B18C-R

B16B-R/B18C-R (EK9/DC2) Regulator Set Plate  
¥9,000

Fuel pressure can be adjusted by using this together with NISMO product 22670-RR580/Regulator. With service hole for fuel pressure meter (PT1/B).

※For use with standard delivery pipe.



■16611-B16-000



# 4AG 4Valve

AE86(4AG) Sports Injection KIT for "Small Port" design AE92 head.  
¥260,000  
Throttle valve size  $\phi 45\text{mm}$

※AE86 large port heads can use this kit but require the manifold port to be enlarged

An individual throttle for each cylinder. Gives super response, and improvements through out the rev range to both power and torque.

※The standard trumpet length is 88mm.



Installed image for AE86



## 4AG(4VALVE) Sports Injection KIT

For 4AG 4VALVE	17100-4AG-453	260,000円	Trumpet 33mm
Throttle Valve diameter $\phi 45\text{mm}$	17100-4AG-456	260,000円	Trumpet 63mm
	17100-4AG-458	260,000円	Trumpet 88mm

※Injectors not included

4AG 20Valve Trumpet Retainer  
¥3,000/each for both kinds

TODA Air Trumpet can be directly attached to AE101 or AE111 throttle body.

※Trumpet is not included.



AE101



Installed image for AE101

- 17342-000-000 TOYOTA throttle inside diameter  $\phi 48\text{mm}$   
Screw hole pitch 73mm AE101 (SILVER head cover)
- 17342-000-001 TOYOTA throttle inside diameter  $\phi 50\text{mm}$   
Screw hole pitch 75mm AE111 (BLACK head cover)

Super Flow Trumpet for 4AG 20Valve Straight Air Trumpet  
¥9,000/ each

TODA super-flow bench tested TODA designed Super Flow Trumpet. Bench testing using 4AG 20 valve engine showed a 5 H.P. gain over stock curved trumpets.

Trumpet inside  $\phi 48\text{mm}$  Screw pitch 73mm



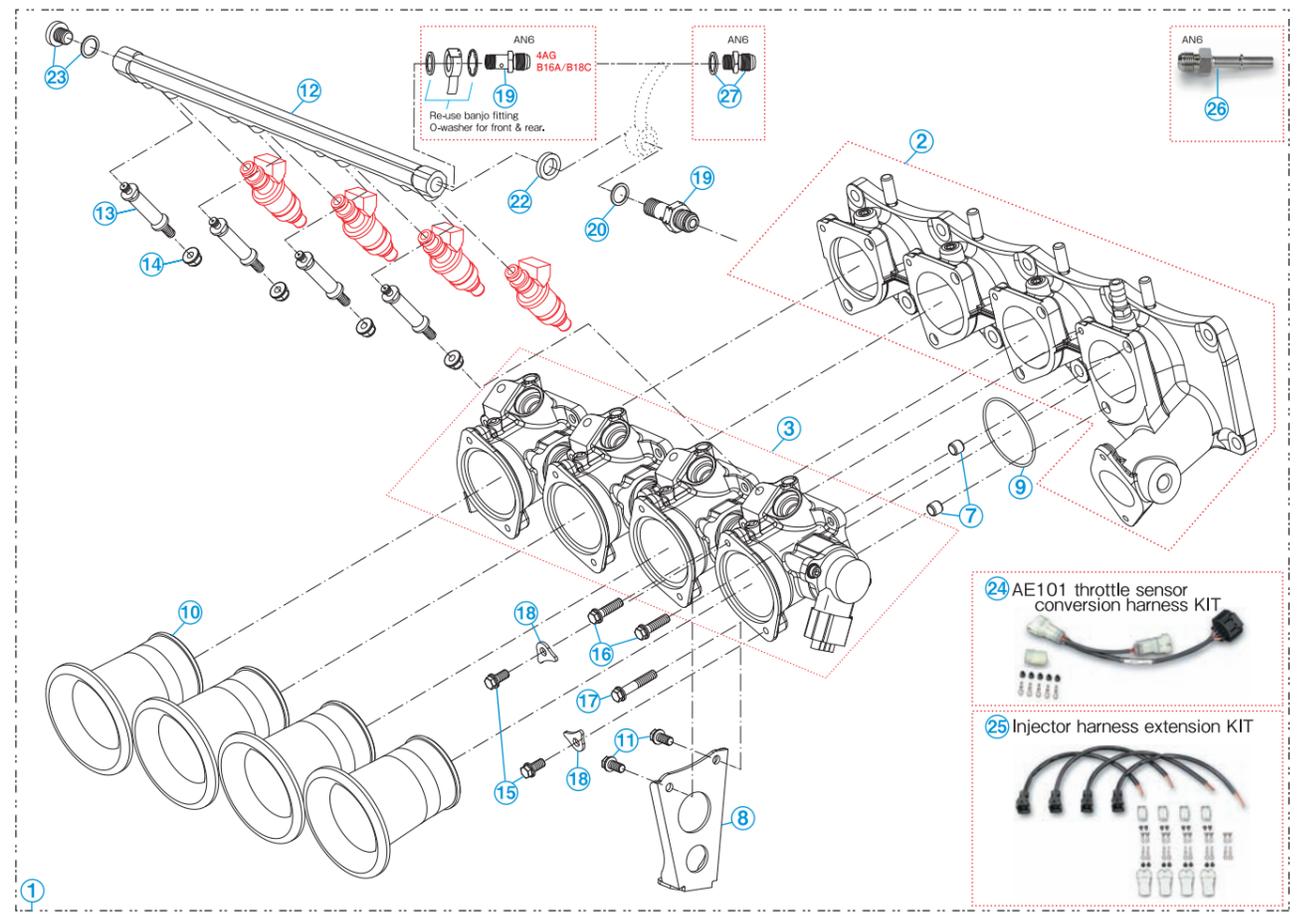
Trumpet 30mm	17342-000-030	9,000円
Trumpet 55mm	17342-000-055	9,000円

Trumpet inside  $\phi 50\text{mm}$  Screw pitch 75mm



Trumpet 33mm	17342-050-033	9,000円
Trumpet 63mm	17342-050-063	9,000円
Trumpet 88mm	17342-050-088	9,000円

## TODA Sports Injection Parts List (i.e. AP1/S2000)



Part No.	Name	Quantity	Price(per)	Parts No.	Name
7	99999-000-109 Dowel pin	8	¥200	2	17100-F20-100 Intake manifold $\phi 50$ F20C
8	16411-TR0-001-1 Accel wire stay (F20C/B16A/B16B/B18C/-R)	1	¥3,500		17100-K20-100 Intake manifold $\phi 50$ K20A(DC5/EP3)
	16411-TR0-001-2 Accel wire stay (4AG)	1	¥3,500		17100-K20-110 Intake manifold $\phi 50$ K20A(CL7/FD2)
	16411-TR0-001-3 Accel wire stay (K20A)	1	¥3,500		17100-B16-101 Intake manifold $\phi 45$ B16A·18C-R
9	99999-000-110-1 Throttle body O-ring	4	¥350		17100-B18-101 Intake manifold $\phi 45$ B18C
10	17342-045-033 Super flow trumpet $\phi 45\text{mm}$ L-33mm	4	¥9,000		17100-B16-102 Intake manifold $\phi 50$ B16A·18C-R
	17342-045-063 Super flow trumpet $\phi 45\text{mm}$ L-63mm	4	¥9,000		17100-B18-102 Intake manifold $\phi 50$ B18C
	17342-045-088 Super flow trumpet $\phi 45\text{mm}$ L-88mm	4	¥9,000		17100-4AG-101 Intake manifold $\phi 45$ 4AG
	17342-050-033 Super flow trumpet $\phi 50\text{mm}$ L-33mm	4	¥9,000		17100-NSX-100 Intake manifold $\phi 50$ NSX
	17342-050-063 Super flow trumpet $\phi 50\text{mm}$ L-63mm	4	¥9,000	3	16410-4AG-000 Throttle body assembly $\phi 45$ 4AG用
	17342-050-088 Super flow trumpet $\phi 50\text{mm}$ L-88mm	4	¥9,000		16410-K20-000 Throttle body assembly $\phi 50$ K20A用
11	16411-TR0-021 Accel wire stay set bolt	2	¥100		16410-F20-000 Throttle body assembly $\phi 50$ F20C用
12	16610-000-875 Fuel delivery rail 4AG (P87.5mm)	1	¥32,000		16410-B18-000 Throttle body assembly $\phi 45$ B16A·B18C-R/B18C
	16610-000-900 Fuel delivery rail B16·18C (P90.0mm)	1	¥32,000		16410-B18-001 Throttle body assembly $\phi 50$ B16A·B18C-R/B18C
	16610-000-940 Fuel delivery rail F20C (P94.0mm/inH $\phi 10.7\text{mm}$ )	1	¥32,000		
	16610-000-940-1 Fuel delivery rail K20A (P94.0mm/inH $\phi 13.5\text{mm}$ )	1	¥32,000		
13	16612-TR0-001 Fuel delivery rail stay L=31.8mm (F20C/K20A)	4	¥1,500		
	16612-TR0-002 Fuel delivery rail stay L=42.5mm (4AG/B16-18/NSX)	4	¥1,500		
14	99999-000-102 Fuel delivery rail stay lower nut	4	¥50		
15	99999-000-111 Trumpet set bolt (M6×10)	8	¥120		
16	99999-000-112-1 Throttle body set bolt upper (M6×22)	8	¥120		
17	99999-000-113-1 Throttle body set bolt lower (M6×32)	4	¥120		
18	99999-000-100-2 Trumpet securing plate	8	¥480		
19	12312-4AG-000 Fuel union bolt 4AG/B16A·18C	1	¥7,500		
	12312-F20-000 Fuel union bolt F20C	1	¥7,500		
20	12312-F20-101 Fuel union bolt washer (F20C)	1	¥300		
21	12312-F20-100 Fuel union bolt spacer T=3mm (F20C)	1	¥700		
22	12313-4AG-000 Fuel delivery rail plug	1	¥600		
23	99999-000-114 AE101 throttle sensor conversion harness KIT	1	¥12,000		For 4AG
	99999-000-114-1 AE101 throttle sensor conversion harness KIT	1	¥12,000		For F20C
	99999-000-114-2 AE101 throttle sensor conversion harness KIT	1	¥12,000		For B16·18C/K20A
24	99999-000-115 Injector harness extension KIT	1	¥8,000		The injector connector design may vary, state injector type on ordering.
25	12314-000-001 Quick connect joint for fuel line (AN6)	1	¥6,000		AN6 can be attached in a standard fuel hose by one pushing connection.
26	12312-000-100 Fuel delivery rail joint (with O-washer)	1	¥2,500		For K20A/ NSX