

# tilton

*Performance*



Clutch-Flywheel Assemblies

1.04 SET-UP HEIGHT (REV)  
FROM FLYWHEEL  
FACE TO SPRING AT  
BEARING CONTACT

84.4mm CONTACT

1.59

SPRING COLOR CODE

TILTON ENGINE CO.  
25 EAST STREET, P.O. BOX 197, HUNTLTON, CA 95427 FAX 925/888-27  
TITLE: 7-1/4" TILTON-CARBON TRIPLE PLATE SCALE  
DRAWN BY: WAB DATE: 5/25/99  
P/N: 657300X-012

1.780 (02119) 3  
#316, 12 PL., EQ. SP. 7.8175 BCB

1.04 SET-UP HEIGHT  
FROM FLYWHEEL  
FACE TO SPRING  
AT BEARING CONTACT

84.4mm CONTACT

1.780

USA

ENGINE

87.350  
87.260

# Introduction to Tilton Performance

## What Is Tilton Performance?

**Tilton Performance**, the latest from Tilton Engineering, brings over 30 years of experience and proven performance to Imports and Sport Compacts.

Tilton Engineering is the industry leader in clutch technology for racing and high performance applications. Clutch technology such as the development and patent of the first Carbon/Carbon clutch. Today, the same Carbon/Carbon clutch technology is found in Formula 1. A commitment to quality and performance has made Tilton clutches and related driveline components the most widely used in racing, winning numerous championships every year.

**Tilton Performance** applies this technology to a range of Clutch-Flywheel-Assemblies for popular Import and Sport Compact applications. Each Clutch-Flywheel-Assembly includes: the proven Tilton OT-Series clutch, disc(s), billet steel flywheel and hardware. Some assemblies also include a hydraulic release bearing assembly that replaces the stock cylinder and related linkage. All assemblies are engineered to provide the highest levels of performance and reliability.

If you are looking for the best clutch-flywheel-assembly for your Import or Sport Compact, look no further than **Tilton Performance**!

**tilton**  
*Performance*



## Stocking Distributors

Contact Tilton Engineering for additional distributor listings.

**Ericks Racing Engines** (California)  
(310) 320-5788

**Izumi Racecraft** (Hawaii)  
(808) 371-0985

**C&R Racing Performance Products** (Indiana)  
(317) 293-4100

**Bullish Racing Technologies** (New Jersey)  
(201) 342-8374

**Titan Motorsports** (Florida)  
(407) 277-8423

**Murray's Speed & Custom** (Florida)  
(305) 687-7301

# 8.5" Cerametallic Clutch-Flywheel-Assemblies

## 8.5" Cerametallic Clutch-Flywheel-Assembly

8.5" Cerametallic Clutch-Flywheel-Assemblies offer a good balance of performance and drivability. Great for use in high-performance street/strip applications. The weight and inertia of these assemblies is designed to reduce the chance of "bogging", while providing faster engine acceleration and smooth high-rpm shifting.

### Features

- **Tilton OT-I 8.5" clutch assembly with 6-puck cerametallic disc(s)**

Provides high torque capacity, good modulation characteristics and smooth shifting. Features a race proven high-strength aluminum clutch cover, minimizing deflection and providing quick shifting. A floating steel pressure plate is used for reliability... no straps that could break. Individually balanced. Completely rebuildable.

- **Billet Steel Flywheel**

Lightweight billet steel design that is as light as aluminum flywheels, but have superior durability and safety. Machined from preheat-treated 4140 steel and surface heat-treated after machining for strength and durability. Ring gear is integrally cut into the flywheel for safety.

- **Grade 8 Hardware**

Complete kit of aircraft-quality, Grade 8 hardware mounts clutch to flywheel.

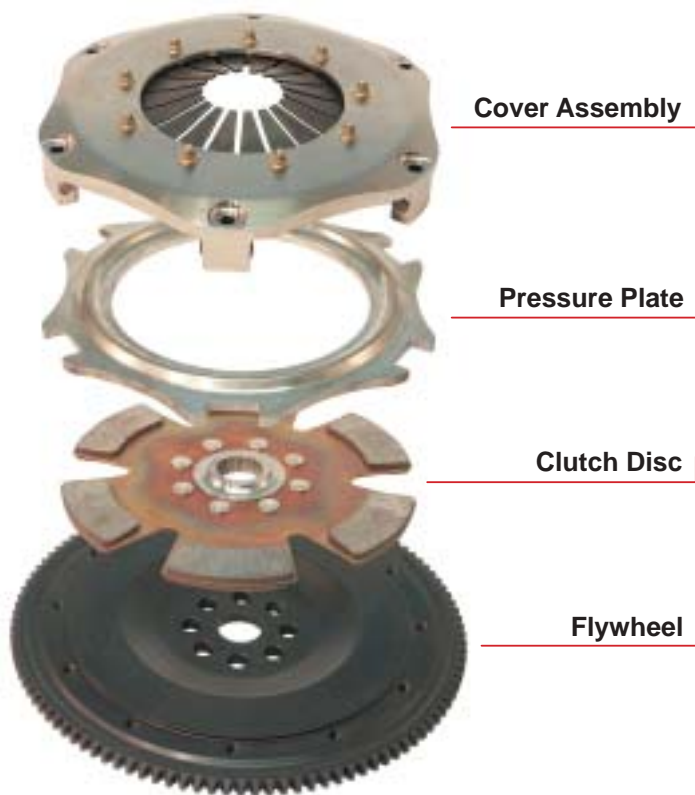


### Full Blown Racing Turbo Honda Civic

#### Application

- DSM (Eclipse/Talon/Galant VR4) AWD, 6-bolt 4G63 engine
- Honda B16A / B18 engines, hydraulic trans, (light spring)
- Honda B16A / B18 engines, hydraulic trans, (heavy spring)
- Toyota Supra MKIV

\*\* Assembly weight includes clutch assembly, disc(s), flywheel and hardware



Part #	# of Plates	Rated Torque Capacity	Assembly Weight**
58-350	1	400 lb-ft	15.7 lbs
58-300	1	275 lb-ft	17.1 lbs
58-301	1	400 lb-ft	17.1 lbs
TBA	2	750 lb-ft	TBA

## 7.25" Cerametallic Clutch-Flywheel-Assembly

7.25" Cerametallic Clutch-Flywheel-Assemblies offer a high torque capacity and low rotating weight. The high torque capacity that the multi-plate clutch offers make it suitable for most applications, including highly modified turbo and nitrous-powered cars. The low inertia of the smaller diameter clutch and lightweight billet steel flywheel, produces faster engine acceleration and smooth high-rpm shifting. These assemblies are recommended for racing use only due to their quick engagement characteristics.

### Features

- **Tilton OT-II 7.25" clutch assembly with 6-puck cerametallic discs**

Provides high torque capacity and a low rotating inertia. Features a race proven high-strength aluminum clutch cover, minimizing deflection and providing quick shifting. A separate steel pressure plate and floater plate is used for reliability... no straps that could break. Individually balanced. Completely rebuildable.

- **Lightweight Billet Steel Flywheel**

Lightweight billet steel design that is as light as an aluminum flywheel, but has superior strength and durability. Ring gear is integrally cut into the flywheel for safety.

- **Grade 8 Hardware**

Complete kit of aircraft-quality, Grade 8 hardware mounts clutch to flywheel.



**Cover Assembly**



**Pressure Plate**



**Clutch Disc**



**Floater Plate**



**Clutch Disc**



**Flywheel**



**Erick's Racing Honda  
World's Fastest All-motor FWD Honda  
10.59 @ 127 mph**

### Application

- Honda B16A / B18 engines, '90-91 cable trans
- Honda B16A / B18 engines, '92-on trans
- Honda H22 engines
- Subaru WRX
- Toyota MR2 Turbo ('90-95)

Part #	# of Plates	Rated Torque Capacity*	Assembly Weight**
56-301	2	740 lb-ft	14.6 lbs
56-300	2	740 lb-ft	14.6 lbs
56-305	2	740 lb-ft	15.2 lbs
TBA	2	TBA	TBA
56-320***	2	740 lb-ft	14.8 lbs

\* Rated torque capacity listed is for "stock" spring. Other diaphragm spring rates are available, increasing or decreasing torque capacity. Please contact Tilton for further information.

\*\* Assembly weight includes clutch assembly, disc(s), flywheel and hardware.

\*\*\* Includes hydraulic release bearing assembly that replaces stock slave cylinder and related linkage.

## 7.25" Carbon/Carbon Clutch-Flywheel-Assembly

7.25" Carbon/Carbon Clutch-Flywheel-Assemblies offer the ultimate in clutch technology. Utilizing the same clutch technology found in F1, Tilton Carbon/Carbon clutches offer a great blend of high torque capacity, drivability and long life. The linear engagement characteristics and high heat capacity of the carbon matrix plates enable the clutch to be easily modulated/slipped, without overheating and damaging the plates. This characteristic also helps to reduce stress placed on other driveline components. The combination of the Carbon/Carbon clutch's extremely low inertia and the lightweight billet steel flywheel produces faster engine acceleration and smooth high-rpm shifting. Carbon/Carbon clutches also include two additional pressure plates that compensate for carbon wear, extending the life of the clutch before a rebuild is required.

### Features

#### • Tilton OT-II 7.25" Carbon/Carbon clutch assembly

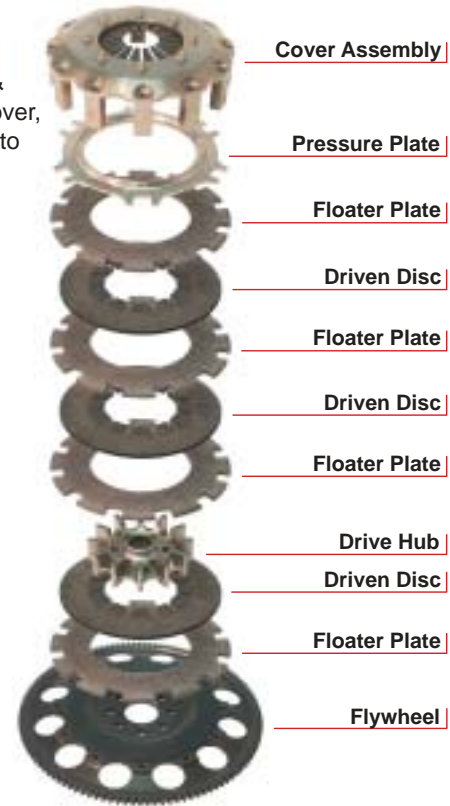
Provides high torque capacity, light rotating weight and good drivability. All plates (driven & floater) are 100% carbon matrix. Features a race proven high strength aluminum clutch cover, minimizing deflection and providing quick shifting. Includes two additional pressure plates to compensate for carbon wear. Individually balanced and dyno tested. Includes a complete build sheet for the clutch.

#### • Billet Steel Flywheel

Lightweight billet steel design that is as light as aluminum flywheels, but have superior durability and safety. Machined from preheat-treated 4140 steel and surface heat-treated after machining for strength and durability. Ring gear is integrally cut into the flywheel for safety.

#### • Grade 8 Hardware

Complete kit of aircraft-quality, Grade 8 hardware mounts clutch to flywheel.



**Titan Motorsports  
Toyota Supra  
World's Fastest  
Street Supra  
9.00 @ 160 mph**



### Application

- Acura NSX (5-spd)
- DSM (Eclipse/Talon/Galant VR4) AWD, 6-bolt 4G63 engine
- Honda B16A / B18 engines, '90-91 cable trans
- Honda B16A / B18 engines, '92-on trans
- Honda H22 engines
- Subaru WRX
- Toyota MR2 Turbo ('90-95)
- Toyota Supra MKIV ('93-98)

Part #	# of Plates	Rated Torque Capacity*	Assembly Weight**
56-306***	3	1110 lb-ft	13.5 lbs
56-350***	2	860 lb-ft	11.7 lbs
56-303	2	860 lb-ft	12 lbs
56-302	2	860 lb-ft	12 lbs
56-304	2	860 lb-ft	12.6 lbs
TBA	2	TBA	TBA
56-321***	2	860 lb-ft	12.3 lbs
56-340801***	3	1260 lb-ft	14.1 lbs

\* Rated torque capacity listed is for "stock" spring. Other diaphragm spring rates are available, increasing or decreasing torque capacity. Please contact Tilton for further information.

\*\* Assembly weight includes clutch assembly, disc(s), flywheel and hardware.

\*\*\* Includes hydraulic release bearing assembly that replaces stock slave cylinder and related linkage.

Distributed By:



## Tilton Engineered Products

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*Performance*

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