

Camshaft Synchronizers

100% New No Core Charges!



• Kit Includes:

NEW Camshaft Position Sensor

NEW Camshaft Synchronizer

NEW Gear



INCLUDES:

**NEW Alignment Tool
for Easy Installation***



*Where Applicable

Aftermarket Exclusive Category

- Present on new distributorless engines
- Indicates camshaft position to computer
- 21 SKUs cover approximately 12 million vehicles

Activant Path Emission/Emission Parts **Activant Code** DOI

**Applications begin
on page 19.**

**Clock
Springs**
pg. 21-24

**Control
Arms**
pg. 25-54

**CV Joint Boots
& Accessories**
pg. 55-66

**Door Lock
Actuators**
pg. 67-72

**Exhaust
Manifold Kits**
pg. 73-134

**All New Synchronizers,
All New Sensor
Free Alignment Tool (where applicable)**

Camshaft Synchronizers

Camshaft Synchronizers



NEW!

689-100

Ford/Mercury
3.8L, 2006-99 Mustang, Freestar,
Windstar. Includes Alignment Tool.



NEW!

689-101

Ford/Mercury
5.0L, 2001-99 Explorer, Mountaineer.
Includes Alignment Tool.



NEW!

689-102

Ford/Mercury
3.8L & 4.2L, 1997-96 Thunderbird 3.8L;
1998-96 Mustang, Windstar 3.8L; 2006-
97 Econoline, F-Series 4.2L. Includes
Alignment Tool.



NEW!

689-103

Ford/Mercury
5.0L, 1998-96 Explorer, Mountaineer.
Includes Alignment Tool.



NEW!

689-104

Ford/Mercury
3.0L, 1998-96 Aerostar, Ranger, Windstar;
1997-96 Taurus, Sable 12V. Includes
Alignment Tool.



NEW!

689-105

Ford
4.0L (123mm shaft), 1997-96 Aerostar,
Explorer, Ranger. Includes Alignment
Tool.



NEW!

689-106

Ford
4.0L (132mm shaft), 1999-96 Aerostar,
Explorer, Ranger. Includes Alignment
Tool.



NEW!

689-107

Ford/Mercury
3.0L, 2006-98 Taurus, 24V, Sable,
Ranger, Windstar. Includes Alignment
Tool.



NEW!

689-108

Ford
2.3L, 1997-94 Ranger. Includes
Alignment Tool.



NEW!

689-109

Ford
4.0L, 2000-99 Explorer, Ranger. Includes
Alignment Tool.



NEW!

689-200

Jeep
4.0L, 2004-02 Grand Cherokee, Wrangler.



NEW!

689-300

Suzuki
1.8L, 2.0L & 2.3L, 2005-99 Suzuki
Models.



NEW!

689-301

Mazda
2.3L, 2002-95 Millenia.



NEW!

689-302

Mitsubishi
2.0L w/o Turbo, 1994-89 Eclipse/Galant.



NEW!

689-303

Hyundai
1.6L, 1995-92 Elantra.



NEW!

689-304

Mitsubishi
2.0L, 1994-89 Eclipse.



NEW!

689-305

Infiniti/Nissan
3.0L, 1997-90 J30, 300ZX.



NEW!

689-306

Nissan
3.0L, 1994-92 Maxima.

Camshaft Synchronizers



689-307

Infiniti
4.5L, 1993-90 Q45.



689-308

Infiniti
4.5L, 1996-94 Q45.



689-309

Geo
2.0L, 2004-99 Tracker.

Camshaft Synchronizer Applications

Make/Model/Engine	Years	Description	Dorman #
CHEVROLET TRUCK			
TRACKER			
L4 - 2.0L (122 CID)	2004-99	-	689-309
FORD			
MUSTANG			
V6 - 3.8L (232 CID)	2004-99	-	689-100
V6 - 3.8L (232 CID)	1998-96	-	689-102
TAURUS			
V6 - 3.0L (182 CID)	2006-98	w/12 Valve Eng	689-107
V6 - 3.0L (182 CID)	1997-96	w/12 Valve Eng	689-104
THUNDERBIRD			
V6 - 3.8L (232 CID)	1997-96	-	689-102
FORD TRUCK			
AEROSTAR			
V6 - 3.0L (182 CID)	1997-96	-	689-104
V6 - 4.0L (245 CID)	1997-96	123mm Shaft	689-105
V6 - 4.0L (245 CID)	1997-96	132mm Shaft	689-106
E-SERIES VAN			
V6 - 4.2L (256 CID)	2006-97	-	689-102
EXPLORER			
V6 - 4.0L (245 CID)	2000	VIN Code X, OHV	689-109
V6 - 4.0L (245 CID)	1999	VIN Code X, OHV; w/2 Pin Stator	689-109
V6 - 4.0L (245 CID)	1999	VIN Code X, OHV; w/3 Pin Stator	689-106
V6 - 4.0L (245 CID)	1998	VIN Code X, OHV	689-106
V6 - 4.0L (245 CID)	1997	VIN Code X, OHV; 123mm Shaft	689-105
V6 - 4.0L (245 CID)	1997	VIN Code X, OHV; 132mm Shaft	689-106
V6 - 4.0L (245 CID)	1996	-	689-105
V8 - 5.0L (302 CID)	2001-99	-	689-101
V8 - 5.0L (302 CID)	1998-96	-	689-103
F-SERIES PICKUP			
V6 - 4.2L (256 CID)	2006-97	-	689-102
FREESTAR			
V6 - 3.9L (238 CID)	2006-04	-	689-100
V6 - 4.2L (256 CID)	2006-04	-	689-100
RANGER			
L4 - 2.3L (140 CID)	1997-94	-	689-108
V6 - 3.0L (182 CID)	2006-98	-	689-107
V6 - 3.0L (182 CID)	1997-96	-	689-104
V6 - 4.0L (245 CID)	2000	-	689-109
V6 - 4.0L (245 CID)	1999	w/2 Pin Stator	689-109
V6 - 4.0L (245 CID)	1999	w/3 Pin Stator	689-106
V6 - 4.0L (245 CID)	1998	-	689-106
V6 - 4.0L (245 CID)	1997	123mm Shaft	689-105
V6 - 4.0L (245 CID)	1997	132mm Shaft	689-106
V6 - 4.0L (245 CID)	1996	-	689-105
WINDSTAR			
V6 - 3.0L (182 CID)	1999	-	689-107
V6 - 3.0L (182 CID)	1998	w/Thick Stator	689-107
V6 - 3.0L (182 CID)	1998	w/Thin Stator	689-104
V6 - 3.0L (182 CID)	1997-96	-	689-104
V6 - 3.8L (232 CID)	2003-99	-	689-100
V6 - 3.8L (232 CID)	1998-96	-	689-102

Make/Model/Engine	Years	Description	Dorman #
HYUNDAI			
ELANTRA			
L4 - 1.6L (1596 cc)	1995-92	-	689-303
L4 - 1.8L (1836 cc)	1995-93	-	689-303
INFINITI			
J30			
V6 - 3.0L (2960 cc)	1997-93	-	689-305
Q45			
V8 - 4.5L (4494 cc)	1996-93	From 2/93	689-308
V8 - 4.5L (4494 cc)	1993-90	To 2/93	689-307
JEEP			
GRAND CHEROKEE			
L6 - 4.0L (242 CID)	2004-02	Oil Pump Drive only	689-200
WRANGLER			
L6 - 4.0L (242 CID)	2004-02	Oil Pump Drive only	689-200
MAZDA			
MILLENNIA			
V6 - 2.3L (2254 cc)	2002-95	Sensor #1	689-301
MERCURY			
COUGAR			
V6 - 3.8L (232 CID)	1997-96	-	689-102
MONTEREY			
V6 - 4.2L (256 CID)	2006-04	-	689-100
MOUNTAINEER			
V8 - 5.0L (302 CID)	2001-99	-	689-101
V8 - 5.0L (302 CID)	1998-97	-	689-103
SABLE			
V6 - 3.0L (182 CID)	2005-98	w/12 Valve Eng	689-107
V6 - 3.0L (182 CID)	1997-96	w/12 Valve Eng	689-104
MITSUBISHI			
ECLIPSE			
L4 - 2.0L (1997 cc)	1994-89	2WD	689-304
L4 - 2.0L (1997 cc)	1994-89	4WD	689-302
GALANT			
L4 - 2.0L (1997 cc)	1993-89	2WD; DOHC	689-304
L4 - 2.0L (1997 cc)	1993-89	4WD; DOHC	689-302
NISSAN			
300ZX			
V6 - 3.0L (2960 cc)	1996-90	-	689-305
MAXIMA			
V6 - 3.0L (2960 cc)	1994-92	DOHC, VE30DE Eng	689-306
SUZUKI			
AERIO			
L4 - 2.3L (2300 cc)	2005-02	-	689-300
AERIO SX			
L4 - 2.0L (2000 cc)	2003	-	689-300
ESTEEM			
L4 - 1.8L (1790 cc)	2002-99	-	689-300
SIDEKICK			
L4 - 1.8L (1840 cc)	1998-96	-	689-300

Camshaft Synchronizers

Related Sales - Quick Disconnect™ Tech Trays

Quick Disconnect™ Connectors & Clips



800-094 44 pcs, 7 SKUs

Quick Disconnect™ Connectors Assortment



800-095 12 pcs, 12 SKUs

Quick Disconnect™ Retaining Clips



800-096 26 pcs, 6 SKUs

Quick Disconnect™ Transmission Connector Service Tray



800-101 28 pcs, 16 SKUs

Quick Disconnect™ Oil Cooler Connector Service Tray



800-102 32 pcs, 10 SKUs

Quick Disconnect™ Master Technician Tray



800-103 54 pcs, 19 SKUs

Quick Disconnect™ Fuel Line and Sending Unit Repair



800-299 8 pcs, 6 SKUs



800-300 Nylon Fuel Line Repair Kit



800-500 Steel Fuel Line Repair Kit

See the Quick Disconnect section on pages 327-396 for more details

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