

GEER

REMANUFACTURING™

DIESEL INJECTORS - PUMPS - ELECTRONICS - COMPONENTS



2023

DIESEL CATALOG

DIESEL

NEW PremiumPACK's
Available Now!

Premium. Period.

- ✓ Competitive Pricing Offers Best Value
- ✓ Easy Access to US-Based Diesel Technical Support Line
- ✓ 100% Tested and Backed by GB's 24-Month Warranty
- ✓ Includes Comprehensive Product Tech Tips & Bulletins

Dodge/RAM 5.9L Cummins

Premium 5.9L Cummins Injector Six-Pack

- New Solenoid
- New Precision Nozzle Assembly
- New O-rings & Seals
- Meets or Exceeds OE Specifications
- Includes Six Replacement Fuel Inlet Tubes



Ford 7.3L Power Stroke

Premium 7.3L Power Stroke Injector Four-Pack

- New Plunger & Barrel
- New Solenoid
- New O-rings & Seals
- Meets or Exceeds OE Specifications

GM 6.6L Duramax LB7

Premium 6.6L Duramax LB7 Injector Four-Pack

- New Solenoid
- New Precision Nozzle Assembly
- New Fitting & Filter Assembly
- New O-rings & Seals
- Meets or Exceeds OE Specifications
- Includes Cylinder-Specific Injector High-Pressure Fuel Lines



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6.7L CUMMINS

FUEL INJECTOR / FUEL INJECTOR INLET TUBE / SEAL KIT

| YEAR | APPLICATION | REMAN INJ | INLET TUBE | SEAL KIT |
|---------|---|----------------|----------------|----------------|
| 2013-18 | 2500 & 3500 PICKUP (EXC. CAB & CHASSIS) | 712-505 | 522-043 | 522-053 |
| 2008-10 | 4500 & 5500 CAB & CHASSIS | 712-503 | 522-043 | 522-053 |
| 2008-10 | 4500 & 5500 PICKUP | 712-504 | 522-043 | 522-053 |
| 2007-12 | 2500 & 3500 PICKUP (EXC. CAB & CHASSIS) | 712-504 | 522-043 | 522-053 |
| 2007-10 | 3500 CAB & CHASSIS | 712-503 | 522-043 | 522-053 |



712-503 / 712-504 / 712-505



522-043



522-053

* The engine CPL number can be used to assist in identifying the correct fuel injector. For additional information see page 53.

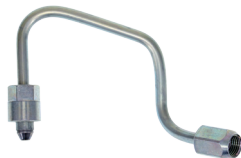
NOTE: It is highly recommended to replace the fuel injector inlet tube and upgrade the fuel filtration system at the time of injector replacement. See part numbers 522-043, 522-049 and 522-050. This will reduce the risk of leakage and contamination resulting in premature injector failure. Injector failure due to fuel contamination is not covered by GB's limited warranty.

FUEL INJECTOR SUPPLY LINE

| YEAR | APPLICATION | LINE |
|---------|---|--------------|
| 2007-19 | DODGE / RAM 6.7L – CYLINDER 1 | 7-026 |
| 2007-19 | DODGE / RAM 6.7L – CYLINDER 2 & 4 | 7-027 |
| 2007-19 | DODGE / RAM 6.7L – CYLINDER 3 & 5 | 7-028 |
| 2007-19 | DODGE / RAM 6.7L – CYLINDER 6 | 7-029 |



7-026



7-027



7-028



7-029

NOTE: One line is required per cylinder.

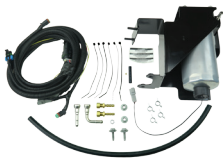
6.7L CUMMINS

FUEL FILTRATION UPGRADE KIT

| YEAR | APPLICATION | REPLACEMENT FILTER | FILTER KIT |
|---------|---------------------|--------------------|------------|
| 2007-12 | CAB & CHASSIS | 522-056 | 522-049 |
| 2007-12 | PICKUP | 522-056 | 522-050 |



522-056



522-049



522-050

HIGH PRESSURE FUEL PUMP

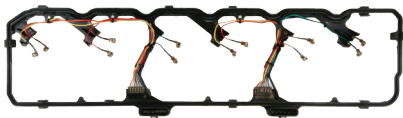
| YEAR | APPLICATION | REMAN PUMP |
|---------|-------------------|------------|
| 2008-18 | 4500 & 5500 | 739-305 |
| 2007-18 | 2500 & 3500 | 739-305 |



739-305

VALVE COVER GASKET KIT

| YEAR | APPLICATION | GASKET KIT |
|---------|------------------------|------------|
| 2007-18 | DODGE / RAM 6.7L | 522-032 |



522-032

5.9L CUMMINS

FUEL INJECTOR / FUEL INJECTOR INLET TUBE

| YEAR | APPLICATION | REMAN INJ | INLET TUBE | 6 PACK |
|-------------|--|-----------|------------|------------|
| 2005-09 | DODGE / RAM 5.9L | 712-502 | 522-043 | 712-5026PK |
| 2004.5 | 325 HP "CUMMINS 600" - OE# 5135790AB, AC, AD | 712-502 | 522-043 | 712-5026PK |
| 2004-2004.5 | 235 HP & 305 HP - OE# 5086894AA | 712-501 | 522-043 | 712-5016PK |
| 2003 | DODGE / RAM 5.9L | 712-501 | 522-043 | 712-5016PK |



712-501 / 712-502



522-043



712-5016PK / 712-5026PK

* The engine CPL number can be used to assist in identifying the correct fuel injector. For additional information see page 53.

NOTE: Injectors include injector inlet tube o-ring.

NOTE: It is highly recommended to replace the fuel injector inlet tube and upgrade the fuel filtration system at the time of injector replacement. See part numbers 522-043, 522-049 and 522-050. This will reduce the risk of leakage and contamination resulting in premature injector failure. Injector failure due to fuel contamination is not covered by GB's limited warranty.

NOTE: 6 PACK includes six injectors and six inlet tubes.

FUEL INJECTOR SUPPLY LINE

| YEAR | APPLICATION | LINE |
|---------|-------------------------------------|-------|
| 2003-09 | DODGE / RAM 5.9L – CYLINDER 1 | 7-010 |
| 2003-09 | DODGE / RAM 5.9L – CYLINDER 2 | 7-011 |
| 2003-09 | DODGE / RAM 5.9L – CYLINDER 3 | 7-012 |
| 2003-09 | DODGE / RAM 5.9L – CYLINDER 4 | 7-013 |
| 2003-09 | DODGE / RAM 5.9L – CYLINDER 5 | 7-014 |
| 2003-09 | DODGE / RAM 5.9L – CYLINDER 6 | 7-015 |



7-010



7-011



7-012



7-013



7-014



7-015

NOTE: One line is required per cylinder.

5.9L CUMMINS

FUEL INJECTOR SEAL KIT

| YEAR | APPLICATION | SEAL KIT |
|---------|-----------------------|----------|
| 2003-09 | DODGE / RAM 5.9L..... | 522-053 |



522-053

FUEL FILTRATION UPGRADE KIT

| YEAR | APPLICATION | REPLACEMENT FILTER | FILTER KIT |
|-----------|--------------|--------------------|------------|
| 2004.5-09 | PICKUP | 522-056 | 522-050 |



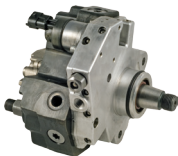
522-056



522-050

HIGH PRESSURE FUEL PUMP

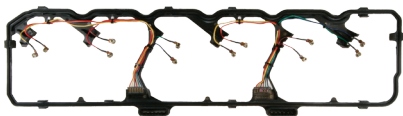
| YEAR | APPLICATION | REMAN PUMP |
|---------|------------------------|------------|
| 2003-09 | DODGE / RAM 5.9L | 739-304 |



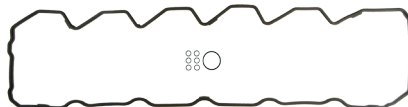
739-304

VALVE COVER GASKET KIT

| YEAR | APPLICATION | GASKET KIT |
|---------|------------------------|------------|
| 2006-09 | DODGE / RAM 5.9L | 522-032 |
| 2003-05 | DODGE / RAM 5.9L | 522-033 |



522-032

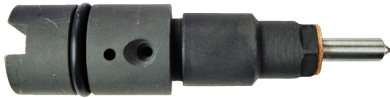


522-033

5.9L CUMMINS 24 VALVE ENGINE

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | NEW INJ |
|-----------|---|-----------|---------|
| 2001-02 | 5 SPEED MANUAL TRANSMISSION (VIN 6) | 711-107 | 611-107 |
| 2001-02 | 6 SPEED MANUAL TRANSMISSION (VIN 7 & C) | 711-108 | 611-108 |
| 2001-02 | AUTOMATIC TRANSMISSION (VIN 6) | 711-106 | 611-106 |
| 1998.5-00 | AUTOMATIC TRANSMISSION | 711-106 | 611-106 |
| 1998.5-00 | MANUAL TRANSMISSION | 711-107 | 611-107 |



711-106 / 711-107 / 711-108
611-106 / 611-107 / 611-108

* The engine CPL number can be used to assist in identifying the correct fuel injector. For additional information see page 53.

FUEL INJECTION PUMP

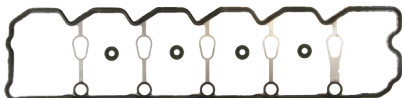
| YEAR | APPLICATION | REMAN PUMP |
|-----------|--|------------|
| 2000-02 | BOSCH VP44 PUMP: 245 HP W/6 SPD MT | 739-302 |
| 1998.5-02 | BOSCH VP44 PUMP: 215 HP OR 235 HP W/AT OR 5 SPD MT | 739-301 |



739-301 / 739-302

VALVE COVER GASKET KIT

| YEAR | APPLICATION | GASKET KIT |
|-----------|------------------------|------------|
| 1998.5-02 | DODGE / RAM 5.9L | 522-034 |



522-034

NOTE: 522-034 includes bolt insulators.

5.9L CUMMINS 12 VALVE ENGINE

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | NEW INJ |
|---------|------------------------------|-----------|---------|
| 1996-98 | AUTOMATIC TRANSMISSION | 711-102 | 611-102 |
| 1996-98 | MANUAL TRANSMISSION | 711-105 | 611-105 |
| 1994-95 | AUTOMATIC TRANSMISSION | 711-101 | 611-101 |
| 1994-95 | MANUAL TRANSMISSION | 711-102 | 611-102 |
| 1991-93 | DODGE / RAM 5.9L 12V | 711-103 | 611-103 |
| 1989-90 | DODGE / RAM 5.9L 12V | 711-104 | 611-104 |



711-101 / 711-102 / 711-105
611-101 / 611-102 / 611-105



711-103 / 711-104
611-103 / 611-104

* The engine CPL number can be used to assist in identifying the correct fuel injector. For additional information see page 53.

FUEL INJECTION PUMP

| YEAR | APPLICATION | REMAN PUMP |
|---------|-----------------------|------------|
| 1990-93 | INTERCOOLED | 739-307 |
| 1989-90 | NON-INTERCOOLED | 739-306 |



739-306 / 739-307

6.7L POWER STROKE

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ |
|---------|---|-----------|
| 2016-18 | ALL MODELS: FROM 7/05/16 - CYLS 1,2,7,8 | 722-511 |
| 2016-18 | ALL MODELS: FROM 7/05/16 - CYLS 3,4,5,6 | 722-512 |
| 2014-16 | PICKUP: FROM 3/17/14 TO 7/05/16 - CYLS 1,2,7,8 | 722-511 |
| 2014-16 | PICKUP: FROM 3/17/14 TO 7/05/16 - CYLS 3,4,5,6..... | 722-512 |
| 2014-16 | CAB & CHASSIS: FROM 3/17/14 TO 7/05/16 - CYLS 1,2,7,8 | 722-509 |
| 2014-16 | CAB & CHASSIS: FROM 3/17/14 TO 7/05/16 - CYLS 3,4,5,6 | 722-510 |
| 2011-14 | ALL MODELS: TO 3/17/14 - CYLS 1,2,7,8 | 722-509 |
| 2011-14 | ALL MODELS: TO 3/17/14 - CYLS 3,4,5,6 | 722-510 |



NOTE: Includes injector supply line and hold-down bolt.

HIGH PRESSURE FUEL PUMP

| YEAR | APPLICATION | REMAN PUMP |
|---------|--|------------|
| 2016-18 | ALL MODELS: FROM 7/05/16 | 739-212 |
| 2014-16 | PICKUP: FROM 3/17/14 TO 7/05/16 | 739-212 |
| 2014-16 | CAB & CHASSIS: FROM 3/17/14 TO 7/05/16 | 739-211 |
| 2011-14 | ALL MODELS: TO 3/17/14 | 739-211 |

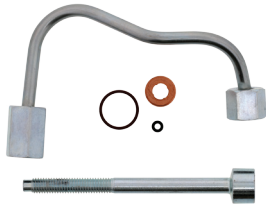


739-211 / 739-212

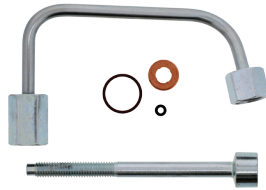
6.7L POWER STROKE

FUEL INJECTOR SUPPLY LINE & O-RING KIT

| YEAR | APPLICATION | KIT |
|---------|------------------------------|-------|
| 2011-17 | F-SERIES: CYLS 1,2,7,8 | 7-020 |
| 2011-17 | F-SERIES: CYLS 3,4,5,6 | 7-021 |



7-020



7-021

NOTE: Includes injector supply line and hold-down bolt.

GLOW PLUG CONTROL MODULE

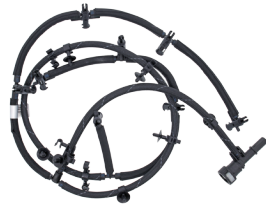
| YEAR | APPLICATION | MODULE |
|---------|------------------|---------|
| 2011-17 | ALL MODELS | 522-060 |



522-060

INJECTOR FUEL RETURN HOSE KIT

| YEAR | APPLICATION | HOSE KIT |
|---------|------------------|----------|
| 2011-16 | ALL MODELS | 522-068 |



522-068

6.4L POWER STROKE

FUEL INJECTOR / HIGH PRESSURE FUEL LINE / FUEL INJECTOR SLEEVE

| YEAR | APPLICATION | REMAN INJ | LINE | SLEEVE |
|---------|---------------------|-----------|-------|---------|
| 2008-10 | F-250 - F-550 | 722-508 | 7-009 | 522-045 |



722-508



7-009

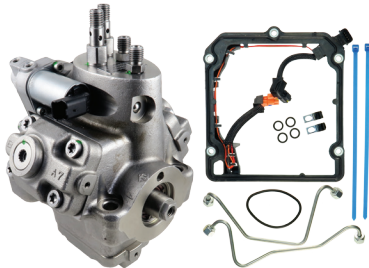


522-045

NOTE: 722-508 injector includes high pressure fuel line.

HIGH PRESSURE FUEL PUMP

| YEAR | APPLICATION | REMAN PUMP |
|---------|---------------------|------------|
| 2008-10 | F-250 - F-550 | 739-207 |

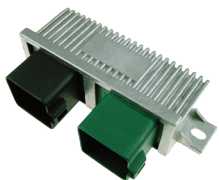


739-207

NOTE: 739-207 includes pump install kit.

GLOW PLUG CONTROL MODULE

| YEAR | APPLICATION | MODULE |
|---------|---------------------|---------|
| 2008-10 | F-250 - F-550 | 522-039 |



522-039

6.4L POWER STROKE

EXHAUST GAS RECIRCULATION (EGR) VALVE

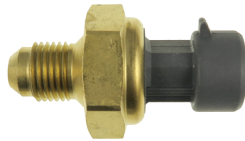
| YEAR | APPLICATION | EGR |
|---------|---------------------|---------|
| 2008-10 | F-250 - F-550 | 522-063 |



522-063

EXHAUST BACK PRESSURE (EBP) SENSOR

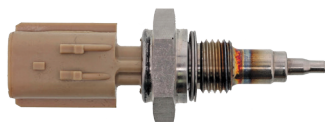
| YEAR | APPLICATION | SENSOR |
|---------|---------------------|---------|
| 2008-10 | F-250 - F-550 | 522-059 |



522-059

EXHAUST GAS RECIRCULATION (EGR) TEMPERATURE SENSOR

| YEAR | APPLICATION | INLET | OUTLET |
|---------|---------------------|---------|---------|
| 2008-10 | F-250 - F-550 | 522-062 | 522-061 |



522-062

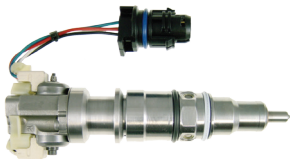


522-061

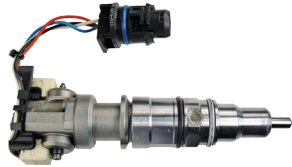
6.0L POWER STROKE

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | 4 PACK |
|---------|--|----------------|-------------------|
| 2004-10 | E-SERIES | 722-507 | 722-5074PK |
| 2004-08 | F-SERIES, EXCURSION: ENGINES BUILT ON OR AFTER 9/22/03 | 722-507 | 722-5074PK |
| 2003-04 | F-SERIES, EXCURSION: ENGINES BUILT BEFORE 9/22/03 | 722-506 | 722-5064PK |



722-506



722-507



722-5064PK / 722-5074PK

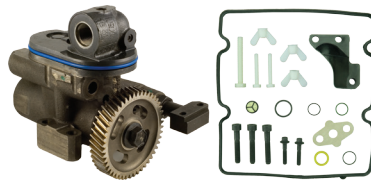
NOTE: All remanufactured 6.0L injectors include a 100% new spool valve, solenoid, connector & wire guide, internal & external seals, and a precision ground and flow tested nozzle assembly.

HIGH PRESSURE OIL PUMP

| YEAR | APPLICATION | REMAN PUMP |
|-----------|----------------------------------|----------------|
| 2004.5-10 | FORD 6.0L (CAST IRON PUMP) | 739-206 |
| 2003-04 | FORD 6.0L (ALUMINUM PUMP) | 739-205 |



739-205



739-206

NOTE: 739-205 includes seal kit.

NOTE: 739-206 includes pump install kit.

6.0L POWER STROKE

FUEL INJECTION CONTROL MODULE (FICM)

| YEAR | APPLICATION | REMAN FICM | REMAN HP FICM |
|---------|--|----------------|-----------------|
| 2005-08 | F-250 - F-550 | 921-124 | 921-158P |
| 2005 | EXCURSION: VEHICLES FROM 1/05 | 921-124 | 921-158P |
| 2005 | EXCURSION: VEHICLES TO 1/05 | 921-123 | 921-158P |
| 2004-10 | E-SERIES | 921-124 | 921-158P |
| 2004 | F-250 - F-550 & EXCURSION: ENGINES BUILT ON OR AFTER 9/22/03 | 921-123 | 921-158P |
| 2003-04 | F-250 - F-550 & EXCURSION: ENGINES BUILT BEFORE 9/22/03 | 921-122 | 921-158P |



921-122 / 921-123 / 921-124

OEM Preprogrammed FICM
(No reflash required.)



921-158P

Preprogrammed 58 Volt High Performance FICM
(No reflash required.)
See page 61 for more information.

FUEL INJECTOR HARNESS

| YEAR | APPLICATION | INJ HARNESS |
|---------|---------------------|----------------|
| 2005-08 | F-650 & F-750 | 522-054 |
| 2005-07 | F-250 - F-550 | 522-054 |
| 2005 | EXCURSION | 522-054 |



522-054

EGR COOLER GASKET KIT

| YEAR | APPLICATION | GASKET KIT |
|---------|-----------------|----------------|
| 2004-10 | E-SERIES | 522-027 |
| 2004-08 | F-SERIES | 522-027 |
| 2004-05 | EXCURSION | 522-027 |



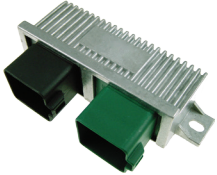
522-027

NOTE: 522-027 includes OE coolant hose.

6.0L POWER STROKE

GLOW PLUG CONTROL MODULE

| YEAR | APPLICATION | MODULE |
|---------|-----------------|---------|
| 2004-10 | E-SERIES | 522-039 |
| 2003-08 | F-SERIES | 522-039 |
| 2003-05 | EXCURSION | 522-039 |



522-039

INJECTION PRESSURE REGULATOR VALVE (IPR)

| YEAR | APPLICATION | IPR |
|---------|---------------------------|---------|
| 2005-08 | F-SERIES, EXCURSION | 522-029 |
| 2004-10 | E-SERIES | 522-029 |
| 2003-04 | F-SERIES, EXCURSION | 522-028 |



522-028



522-029

INJECTION CONTROL PRESSURE SENSOR (ICP)

| YEAR | APPLICATION | ICP |
|---------|---|---------|
| 2004-10 | E-SERIES (SENSOR MOUNTS ON PASSENGER SIDE VALVE COVER) | 522-042 |
| 2004-08 | F-SERIES (SENSOR MOUNTS ON PASSENGER SIDE VALVE COVER) | 522-042 |
| 2004-05 | EXCURSION (SENSOR MOUNTS ON PASSENGER SIDE VALVE COVER) | 522-042 |
| 2004 | E-SERIES (SENSOR MOUNTS BELOW TURBOCHARGER) | 522-041 |
| 2003-04 | EXCURSION (SENSOR MOUNTS BELOW TURBOCHARGER) | 522-041 |
| 2003-04 | F-SERIES (SENSOR MOUNTS BELOW TURBOCHARGER) | 522-041 |



522-041



522-042

6.0L POWER STROKE

EXHAUST GAS RECIRCULATION VALVE (EGR)

| YEAR | APPLICATION | REMAN EGR | NEW EGR |
|---------|---|-----------|---------|
| 2005-10 | F-SERIES, E-SERIES, EXCURSION | 522-022 | 522-020 |
| 2005 | EXCURSION: ENGINE #6344943 TO 6560520 (W/ "4043H" ON VALVE) | 522-022 | 522-020 |
| 2005 | EXCURSION: ENGINE #6000000 TO 6344942 (W/O "4043H" ON VALVE)..... | 522-021 | 522-019 |
| 2003-04 | F-SERIES, E-SERIES, EXCURSION | 522-021 | 522-019 |



522-019 / 522-020
522-021 / 522-022

EGR VALVE GASKET KIT

| YEAR | APPLICATION | GASKET KIT |
|---------|-----------------|------------|
| 2003-10 | FORD 6.0L | 522-048 |



522-048

EXHAUST BACK PRESSURE (EBP) SENSOR

| YEAR | APPLICATION | SENSOR |
|---------|---|---------|
| 2004-10 | E-SERIES: FROM ENGINE #149,761 | 522-058 |
| 2005-07 | F-250 - F-550, EXCURSION: FROM ENGINE #6,344,943 | 522-058 |
| 2004 | E-SERIES: ENGINE #0 TO #149,760 | 522-057 |
| 2003-04 | F SERIES, EXCURSION: ENGINE #6,000,000 TO 6,344,942 | 522-057 |



522-057



522-058

6.0L POWER STROKE

FUEL INJECTOR SEAL KIT / FUEL INJECTOR SLEEVE / FUEL PRESSURE REGULATOR UPGRADE KIT

| YEAR | APPLICATION | SEAL KIT | SLEEVE | REG. KIT |
|---------|-----------------|----------|---------|----------|
| 2004-10 | E-SERIES | 522-015 | 522-025 | 522-038 |
| 2003-08 | F-SERIES | 522-015 | 522-025 | 522-038 |
| 2003-05 | EXCURSION | 522-015 | 522-025 | 522-038 |



522-015



522-025



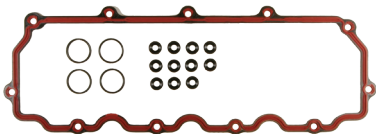
522-038

NOTE: 522-015 seal kit includes top high pressure seal & metal "C" clip.

NOTE: 522-038 upgrade kit increases factory fuel pressure setting which improves injector longevity and operation.

VALVE COVER GASKET KIT

| YEAR | APPLICATION | GASKET KIT |
|---------|-----------------|------------|
| 2003-10 | FORD 6.0L | 522-031 |



522-031

NOTE: 522-031 services one side of engine, includes bolt insulators.

HIGH PRESSURE OIL RAIL BALL TUBES

| YEAR | APPLICATION | KIT |
|---------|-----------------|---------|
| 2004-10 | FORD 6.0L | 522-037 |



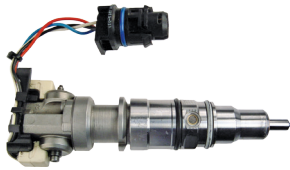
522-037

NOTE: 522-037 services one side of engine, includes seals and installation tool.

4.5L POWER STROKE

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ |
|---------|------------------|-----------|
| 2006-10 | LCF (4.5L) | 722-507 |

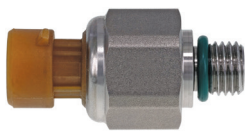


722-507

NOTE: All remanufactured 6.0L injectors include a 100% new spool valve, solenoid, connector & wire guide, internal & external seals, and a precision ground and flow tested nozzle assembly.

INJECTION CONTROL PRESSURE SENSOR (ICP) INJECTION PRESSURE REGULATOR VALVE (IPR) FUEL INJECTOR SEAL KIT FUEL INJECTOR SLEEVE

| YEAR | APPLICATION | ICP | IPR | SEAL KIT | SLEEVE |
|---------|------------------|---------|---------|----------|---------|
| 2006-10 | LCF (4.5L) | 522-042 | 522-029 | 522-015 | 522-025 |



522-042



522-029



522-015



522-025

NOTE: 522-015 seal kit includes top high pressure seal & metal "C" clip.

7.3L POWER STROKE

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | 4 PACK |
|---------|--|----------------|-------------------|
| 2000-03 | SOLENOID CODE AD | 722-504 | 722-5044PK |
| 2000-03 | SOLENOID CODE AE | 722-505 | N/A |
| 1999 | SOLENOID CODE AD, VEHICLES BUILT ON OR AFTER 12/7/98 | 722-504 | 722-5044PK |
| 1999 | SOLENOID CODE AE, VEHICLES BUILT ON OR AFTER 12/7/98 | 722-505 | N/A |
| 1999 | SOLENOID CODE AB, VEHICLES BUILT BEFORE 12/7/98 | 722-502 | 722-5024PK |
| 1997-98 | E-SERIES, SOLENOID CODE AB | 722-502 | 722-5024PK |
| 1997 | F-SERIES, SOLENOID CODE AA | 722-501 | 722-5014PK |
| 1994-96 | SOLENOID CODE AA | 722-501 | 722-5014PK |



722-501 / 722-502 / 722-504 / 722-505



722-5014PK / 722-5024PK / 722-5044PK

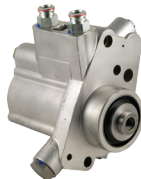
¹ It is recommended to use one 722-505 injector in the #8 cylinder to reduce "cackle" noise which some engines may exhibit. The 722-505 injector is specifically designed to help reduce engine noise and was used in later production engines. Its use in the #8 cylinder is optional.

HIGH PRESSURE OIL PUMP

| YEAR | APPLICATION | REMAN PUMP |
|-------------|--|----------------|
| 1999.5-03 | F-SERIES, E-SERIES, EXCURSION - 1999 FROM ENGINE #896813 | 739-204 |
| 1998-1999.5 | F-SERIES, E-SERIES, EXCURSION - 1999 TO ENGINE #896812 | 739-203 |
| 1996-97 | F-SERIES, E-SERIES | 739-202 |
| 1994-95 | F-SERIES, E-SERIES | 739-201 |



739-201 / 739-202



739-203 / 739-204

NOTE: 739-101, 102, 103, and 104 pumps include gasket.

7.3L POWER STROKE

INJECTOR DRIVER MODULE (IDM)

| YEAR | APPLICATION | REMAN IDM |
|---------|--|----------------------|
| 1999-03 | F-250 - F-550, E-SERIES, EXCURSION | 921-120 ¹ |
| 1994-98 | F-250 - F-550, E-SERIES | 921-110 ¹ |



921-110



921-120

¹ See GB TSB #103 for important diagnostic information. We recommend inspecting/replacing valve cover gaskets and connector prior to installation.

INJECTION PRESSURE REGULATOR VALVE (IPR) INJECTION CONTROL PRESSURE SENSOR (ICP)

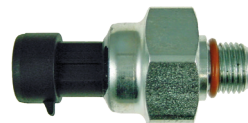
| YEAR | APPLICATION | IPR | ICP |
|-------------|---|---------|---------|
| 1995.5-03 | F-SERIES, EXCURSION, E-SERIES - FROM ENGINE #187100 | 522-008 | 522-040 |
| 1994-1995.5 | F-SERIES, E-SERIES - TO ENGINE #187099 | 522-007 | 522-040 |



522-007



522-008



522-040

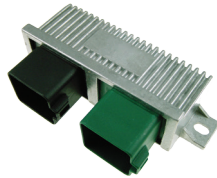
7.3L POWER STROKE

GLow PLUG RELAY / GLOW PLUG CONTROL MODULE

| YEAR | APPLICATION | RELAY | MODULE |
|---------|---|---------|---------|
| 2000-03 | F-SERIES, E-SERIES, EXCURSION - WITH CALIFORNIA EMISSIONS | N/A | 522-039 |
| 2000-03 | F-SERIES, E-SERIES, EXCURSION - WITH FEDERAL EMISSIONS | 522-009 | N/A |
| 1995-99 | E-SERIES | 522-009 | N/A |
| 1994-99 | F-SERIES | 522-009 | N/A |



522-009



522-039

FUEL INJECTOR SEAL KIT / FUEL INJECTOR SLEEVE

| YEAR | APPLICATION | SEAL KIT | SLEEVE |
|---------|-------------------------------------|----------|---------|
| 1994-03 | F-SERIES, E-SERIES, EXCURSION | 522-001 | 522-013 |



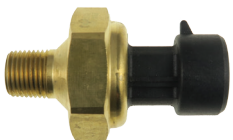
522-001



522-013

EXHAUST BACK PRESSURE (EBP) SENSOR

| YEAR | APPLICATION | SENSOR |
|---------|---|---------|
| 1995-03 | E-SERIES: ENGINE #35,651 TO 2,030,402 | 522-057 |
| 2000-02 | EXCURSION: ENGINE #896,813 TO 2,030,402 | 522-057 |
| 1997-02 | F-250 - F-550: ENGINE #501 TO 2,030,402 | 522-057 |

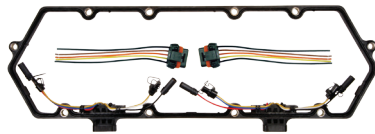


522-057

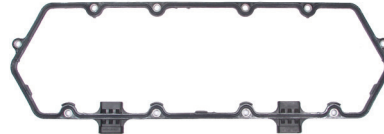
7.3L POWER STROKE

VALVE COVER GASKET / HARNESS REPAIR KIT (EARLY DESIGN - DUAL CONNECTOR)

| YEAR | APPLICATION | GASKET KIT | GASKET | VALVE COVER GASKET CONNECTOR | INJECTOR HARNESS |
|---------|-----------------|------------|---------|------------------------------|------------------|
| 1994-97 | FORD 7.3L | 522-024 | 522-002 | 522-004 | 522-011 |



522-024



522-002



522-004



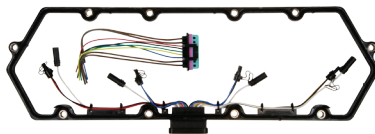
522-011

NOTE: 522-002 premium gasket.

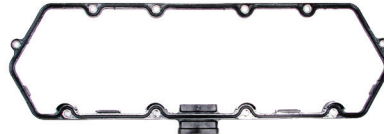
NOTE: 522-024, 522-002 one required per side. 522-004, 522-011 two required per side.

VALVE COVER GASKET / HARNESS REPAIR KIT (LATE DESIGN - SINGLE CONNECTOR)

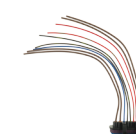
| YEAR | APPLICATION | GASKET KIT | GASKET | VALVE COVER GASKET CONNECTOR | INJECTOR HARNESS |
|---------|-----------------|------------|---------|------------------------------|------------------|
| 1998-03 | FORD 7.3L | 522-023 | 522-003 | 522-005 | 522-010 |



522-023



522-003



522-005



522-010

NOTE: 522-003 premium gasket.

NOTE: 522-023, 522-003, 522-005 and 522-010 one required per side.

6.9L & 7.3L NON-POWER STROKE

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | NEW INJ |
|---------|--------------------------------|----------------|----------------|
| 1993-94 | 7.3L TURBO | 721-110 | N/A |
| 1992-94 | 7.3L NON-TURBO FROM 3/92 | 721-109 | 621-109 |
| 1988-92 | 7.3L NON-TURBO TO 3/92 | 721-108 | 621-108 |
| 1984-87 | 6.9L FROM 10/83 | 721-108 | 621-108 |
| 1983-84 | 6.9L TO 10/83 | 721-101 | 621-101 |



721-101 / 721-108 / 721-109 / 721-110
621-101 / 621-108 / 621-109

FUEL INJECTION PUMP

| YEAR | APPLICATION | REMAN PUMP |
|---------|------------------------------|----------------|
| 1993-94 | 7.3L TURBO (VIN C & K) | 739-209 |
| 1988-94 | 7.3L NON-TURBO (VIN M) | 739-208 |
| 1983-87 | 6.9L | 739-210 |



739-208 / 739-209 / 739-210

INJECTOR FUEL RETURN HOSE KIT

| YEAR | APPLICATION | HOSE KIT |
|---------|-------------|--------------|
| 1988-94 | 7.3L | 7-002 |
| 1983-87 | 6.9L | 7-003 |



7-002



7-003

6.6L DURAMAX

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | 4 PACK |
|---------|--|----------------|-------------------|
| 2011-16 | LML ENGINE (8TH VIN CODE 8)..... | 732-505 | N/A |
| 2007-10 | LMM ENGINE (8TH VIN CODE 6 & 9) ^{1,2} | 732-504 | N/A |
| 2006-07 | LBZ ENGINE (8TH VIN CODE D) & LLY ENGINE (8TH VIN CODE 2) ¹ | 732-503 | N/A |
| 2004-05 | LLY ENGINE (8TH VIN CODE 2) ^{1,2} | 732-501 | N/A |
| 2001-04 | LB7 ENGINE (8TH VIN CODE 1) ^{1,2} | 732-502 | 732-5024PK |



732-501 / 732-503 / 732-504



732-502



732-505



732-5024PK

¹ For help identifying Duramax injectors, see GB Tech Bulletin #105.

² It is highly recommended that the high pressure fuel line be replaced at time of injector replacement. This will reduce the possibility of injector contamination and premature injector failure. See following page, part numbers 7-005, 7-006, 7-007, 7-008, 7-016, 7-017, 7-018, 7-019, 7-022, 7-023, 7-024, 7-025.

NOTE: 4 PACK includes four injectors and four fuel injector high pressure lines (one each of 7-005, 7-006, 7-007 & 7-008).

6.6L DURAMAX

FUEL INJECTOR HIGH PRESSURE LINE

| YEAR | APPLICATION | LINE |
|---------|---|-------|
| 2007-10 | LMM ENGINE (8TH VIN CODE 6 & 9) - CYLINDERS 1 & 8 | 7-022 |
| 2007-10 | LMM ENGINE (8TH VIN CODE 6 & 9) - CYLINDERS 2 & 7 | 7-025 |
| 2007-10 | LMM ENGINE (8TH VIN CODE 6 & 9) - CYLINDERS 3 & 6 | 7-023 |
| 2007-10 | LMM ENGINE (8TH VIN CODE 6 & 9) - CYLINDERS 4 & 5 | 7-024 |
| 2004-06 | LLY ENGINE (8TH VIN CODE 2) - CYLINDERS 1 & 8 | 7-016 |
| 2004-06 | LLY ENGINE (8TH VIN CODE 2) - CYLINDERS 2 & 7 | 7-019 |
| 2004-06 | LLY ENGINE (8TH VIN CODE 2) - CYLINDERS 3 & 6 | 7-017 |
| 2004-06 | LLY ENGINE (8TH VIN CODE 2) - CYLINDERS 4 & 5 | 7-018 |
| 2001-04 | LB7 ENGINE (8TH VIN CODE 1) - CYLINDERS 1 & 8 | 7-005 |
| 2001-04 | LB7 ENGINE (8TH VIN CODE 1) - CYLINDERS 2 & 7 | 7-006 |
| 2001-04 | LB7 ENGINE (8TH VIN CODE 1) - CYLINDERS 3 & 6 | 7-007 |
| 2001-04 | LB7 ENGINE (8TH VIN CODE 1) - CYLINDERS 4 & 5 | 7-008 |



7-005



7-006



7-007



7-008



7-016



7-017



7-018



7-019



7-022



7-023



7-024



7-025

NOTE: One line is required per cylinder.

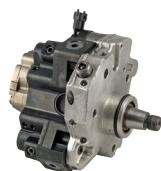
6.6L DURAMAX

HIGH PRESSURE FUEL PUMP

| YEAR | APPLICATION | REMAN PUMP |
|---------|---|----------------|
| 2007-10 | LMM ENGINE (8TH VIN CODE 6) | 739-105 |
| 2006-07 | LBZ ENGINE (8TH VIN CODE D) & LLY ENGINE (8TH VIN CODE 2) | 739-105 |
| 2004-05 | LLY ENGINE (8TH VIN CODE 2) | 739-104 |
| 2001-04 | LB7 ENGINE (8TH VIN CODE 1) | 739-103 |



739-103



739-104



739-105

FUEL INJECTOR SLEEVE

| YEAR | APPLICATION | SLEEVE |
|---------|------------------|----------------|
| 2001-04 | LB7 ENGINE | 522-046 |



522-046

6.6L DURAMAX

FUEL INJECTOR SEAL KIT

| YEAR | APPLICATION | SEAL KIT |
|---------|---|----------------|
| 2011-16 | LML ENGINE (8TH VIN CODE 8) | 522-072 |
| 2007-10 | LMM ENGINE (8TH VIN CODE 6) | 522-052 |
| 2006-07 | LBZ ENGINE (8TH VIN CODE D) & LLY ENGINE (8TH VIN CODE 2) | 522-052 |
| 2004-05 | LLY ENGINE (8TH VIN CODE 2) | 522-052 |



522-052



522-072

FUEL INJECTOR SEAL KIT / RETURN LINE SEAL KIT

| YEAR | APPLICATION | SEAL KIT | SEAL KIT SET | RETURN KIT |
|---------|-----------------------------------|----------------|----------------|----------------|
| 2001-04 | LB7 ENGINE (8TH VIN CODE 1) | 522-051 | 522-055 | 522-030 |



522-051



522-055



522-030

NOTE: 522-051 services one injector.

NOTE: 522-055 services one bank. Includes 522-030 return kit.

NOTE: 522-030 services one side of engine, (4 injectors).

FUEL FILTER BASE AND HAND PRIMER SEAL KIT

| YEAR | APPLICATION | SEAL KIT |
|---------|-------------|----------------|
| 2001-12 | 6.6L | 522-070 |



522-070

6.6L DURAMAX

INJECTOR FUEL RETURN HOSE KIT

| YEAR | APPLICATION | HOSE KIT |
|---------|---|--------------|
| 2007-10 | LMM ENGINE (8TH VIN CODE 6) | 7-004 |
| 2006-07 | LBZ ENGINE (8TH VIN CODE D) & LLY ENGINE (8TH VIN CODE 2) | 7-004 |
| 2004-05 | LLY ENGINE (8TH VIN CODE 2) | 7-004 |

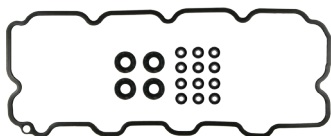


7-004

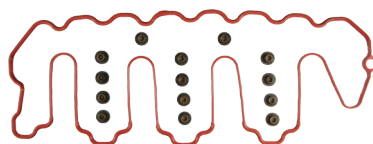
NOTE: 7-004 services one side of engine, (4 injectors).

VALVE COVER GASKET KIT

| YEAR | APPLICATION | GASKET KIT |
|---------|---|----------------|
| 2007-10 | LMM ENGINE (8TH VIN CODE 6) | 522-036 |
| 2006-07 | LBZ ENGINE (8TH VIN CODE D) & LLY ENGINE (8TH VIN CODE 2) | 522-036 |
| 2004-05 | LLY ENGINE (8TH VIN CODE 2) | 522-036 |
| 2001-04 | LB7 ENGINE (8TH VIN CODE 1) | 522-035 |



522-035



522-036

NOTE: 522-035 services one side of engine and includes bolt insulators.

6.5L

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | NEW INJ |
|---------|---|-----------|---------|
| 1994-99 | NON-TURBO & P-SERIES OVER 12,500 LBS. GVW | 731-104 | 631-104 |
| 1992-02 | TURBO & P-SERIES UNDER 12,500 LBS. GVW | 731-105 | 631-105 |



731-104 / 731-105
631-104 / 631-105

FUEL INJECTION PUMP

| YEAR | APPLICATION | REMAN PUMP W/O PMD | REMAN PUMP |
|---------|-----------------------------|-----------------------|------------|
| 1995-02 | | 739-101L | 739-101 |
| 1994 | ALL EXCEPT PUMP #5068 | 739-101L | 739-101 |
| 1994 | WITH PUMP #5068..... | N/A | 739-102 |
| 1992-93 | | N/A | 739-108 |



739-101L



739-101



739-102



739-108

PUMP MOUNTED DRIVER, HARNESS & REMOTE MOUNTING KIT

| YEAR | APPLICATION | PMD | HARNESS | REMOTE KIT |
|---------|-----------------------------|---------|---------|------------|
| 1995-02 | | 921-180 | 522-047 | 522-067 |
| 1994 | ALL EXCEPT PUMP #5068 | 921-180 | 522-047 | 522-067 |



921-180



522-047



522-067

INJECTOR FUEL RETURN HOSE KIT

| YEAR | APPLICATION | HOSE KIT |
|---------|-------------|----------|
| 1992-02 | 6.5L | 7-001 |



7-001

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | NEW INJ |
|---------|---|----------------|----------------|
| 1992-93 | 6.2L | 731-104 | 631-104 |
| 1991 | G-SERIES (VAN) | 731-102 | 631-102 |
| 1991 | ALL EXCEPT G-SERIES (VAN) | 731-104 | 631-104 |
| 1990 | 6.2L | 731-102 | 631-102 |
| 1987-89 | 73.8MM LONG..... | 731-102 | 631-102 |
| 1987-89 | 83.7MM LONG..... | 731-103 | 631-103 |
| 1983-86 | G-SERIES (VAN) | 731-102 | 631-102 |
| 1983-86 | C, K-SERIES TRUCKS, JIMMY, P-SERIES CHASSIS | 731-103 | 631-103 |
| 1982 | 6.2L | 731-101 | N/A |



731-101



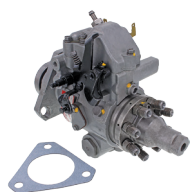
731-102 / 731-104
631-102 / 631-104



731-103
631-103

FUEL INJECTION PUMP

| YEAR | APPLICATION | REMAN PUMP |
|---------|--------------------------|----------------|
| 1982-93 | LIGHT DUTY (VIN C) | 739-106 |
| 1982-89 | HEAVY DUTY (VIN J) | 739-107 |



739-106



739-107

INJECTOR FUEL RETURN HOSE KIT

| YEAR | APPLICATION | HOSE KIT |
|---------|-------------|--------------|
| 1982-93 | 6.2L | 7-001 |



7-001

9.3L N9 / N10

FUEL INJECTOR / SEAL KIT

| YEAR | APPLICATION | REMAN INJ | SEAL KIT |
|---------|-------------|-----------|----------|
| 2015-17 | ALL | 718-517 | 522-066 |



718-517



522-066

7.6L DT466 / DT466E / DT570 / HT570

FUEL INJECTOR / SEAL KIT

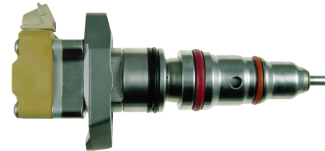
| YEAR | APPLICATION | ENGINE # | REMAN INJ | SEAL KIT |
|---------|--|------------------------|----------------|----------------|
| 2006 | DT466 210-285 HP | | 718-512 | 522-066 |
| 2006 | DT570 285-330 HP | | 718-518 | 522-066 |
| 2006 | HT570 295-340 HP (HT) | | 718-520 | 522-066 |
| 2005 | DT466 210-285 HP..... | 2,000,001 TO 2,999,999 | 718-511 | 522-066 |
| 2004-05 | DT570 285-330 HP | 2,000,001 TO 2,999,999 | 718-519 | 522-066 |
| 2004-05 | HT570 295-340 (HT) | 2,000,001 TO 2,999,999 | 718-521 | 522-066 |
| 2004 | DT466 210-225 HP | 2,000,001 TO 2,999,999 | 718-513 | 522-066 |
| 2004 | DT466 245-285 HP (HT) | 2,000,001 TO 2,999,999 | 718-511 | 522-066 |
| 2000-03 | DT466 175-250 HP (HT) BI INJECTOR | 125,228 TO 1,999,999 | 718-501 | 522-044 |
| 1999 | DT466E 175-250 HP (HT) BI INJECTOR | 125,228 TO 1,999,999 | 718-501 | 522-044 |



718-511 / 718-512 / 718-513
718-518 / 718-519 / 718-520 / 718-521



522-066



718-501



522-044

NOTE: 718-501 injector includes stainless steel & copper chamber gaskets.

HIGH PRESSURE OIL RAIL SEAL KIT

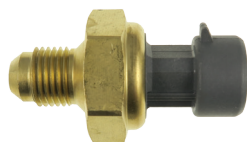
| YEAR | APPLICATION | SEAL KIT |
|---------|-----------------------------|----------------|
| 2004-06 | DT466 / DT570 / HT570 | 522-069 |



522-069

EXHAUST BACK PRESSURE (EBP) SENSOR

| YEAR | APPLICATION | SENSOR |
|---------|---------------------------|----------------|
| 2004-06 | DT466 / 570 / HT570 | 522-059 |

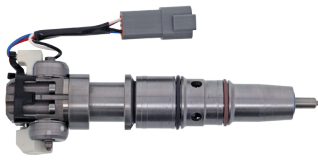


522-059

7.6L MAXXFORCE DT / MAXXFORCE 9 / MAXXFORCE 10

FUEL INJECTOR / SEAL KIT

| YEAR | APPLICATION | ENGINE # | REMAN INJ | SEAL KIT |
|---------|-------------------------------|------------------------|-----------|----------|
| 2010-14 | MAXXFORCE DT 210-225 HP | | 718-516 | 522-066 |
| 2010-14 | MAXXFORCE DT 215-300 HP | | 718-514 | 522-066 |
| 2010-14 | MAXXFORCE 9 300-330 HP | | 718-517 | 522-066 |
| 2010-14 | MAXXFORCE 10 300-330 HP | | 718-517 | 522-066 |
| 2007-10 | MAXXFORCE DT 210-300 HP | 3,000,001 TO 3,300,000 | 718-510 | 522-066 |
| 2007-10 | MAXXFORCE 9 300-330 HP | 3,000,001 TO 3,300,000 | 718-515 | 522-066 |
| 2007-10 | MAXXFORCE 10 310-350 HP | 3,000,001 TO 3,300,000 | 718-515 | 522-066 |



718-510 / 718-514 / 718-515
718-516 / 718-517



522-066

HIGH PRESSURE OIL RAIL SEAL KIT

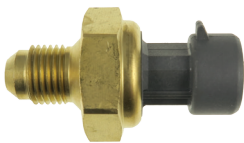
| YEAR | APPLICATION | SEAL KIT |
|---------|-----------------------------|----------|
| 2007-14 | MAXXFORCE DT / 9 / 10 | 522-069 |



522-069

EXHAUST BACK PRESSURE (EBP) SENSOR

| YEAR | APPLICATION | SENSOR |
|---------|-----------------------------|---------|
| 2007-10 | MAXXFORCE DT / 9 / 10 | 522-059 |



522-059

EXHAUST GAS RECIRCULATION (EGR) TEMPERATURE SENSOR

| YEAR | APPLICATION | SENSOR |
|---------|-----------------------------|---------|
| 2010-11 | MAXXFORCE DT / 9 / 10 | 522-061 |



522-061

6.4L MAXXFORCE 7

FUEL INJECTOR / HIGH PRESSURE FUEL LINE / INJECTOR SLEEVE

| YEAR | APPLICATION | REMAN INJ | LINE | SLEEVE |
|---------|------------------------|-----------|-------|---------|
| 2008-10 | 6.4L MAXXFORCE 7 | 722-508 | 7-009 | 522-045 |



722-508



7-009

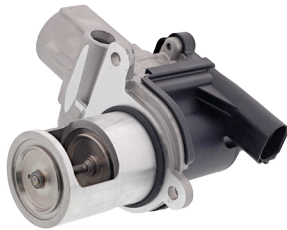


522-045

NOTE: 722-508 injector includes high pressure fuel line.

EXHAUST GAS RECIRCULATION (EGR) VALVE

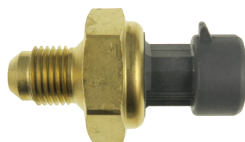
| YEAR | APPLICATION | EGR |
|---------|------------------------|---------|
| 2008-10 | 6.4L MAXXFORCE 7 | 522-063 |



522-063

EXHAUST BACK PRESSURE (EBP) SENSOR

| YEAR | APPLICATION | SENSOR |
|---------|------------------------|---------|
| 2008-10 | 6.4L MAXXFORCE 7 | 522-059 |

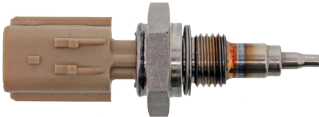


522-059

6.4L MAXXFORCE 7

EXHAUST GAS RECIRCULATION (EGR) TEMPERATURE SENSOR

| YEAR | APPLICATION | INLET | OUTLET |
|---------|------------------------|---------|---------|
| 2010-14 | 6.4L MAXXFORCE 7 | 522-062 | 522-061 |



522-062

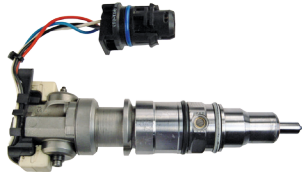


522-061

4.5L VT275 / MAXXFORCE 5

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ |
|---------|------------------------|-----------|
| 2007-10 | 4.5L MAXXFORCE 5 | 722-507 |
| 2005-06 | 4.5L VT275 | 722-507 |

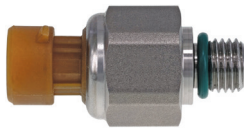


722-507

NOTE: All remanufactured 6.0L injectors include a 100% new spool valve, solenoid, connector & wire guide, internal & external seals, and a precision ground and flow tested nozzle assembly.

INJECTION CONTROL PRESSURE SENSOR (ICP) INJECTION PRESSURE REGULATOR VALVE (IPR) FUEL INJECTOR SEAL KIT FUEL INJECTOR SLEEVE

| YEAR | APPLICATION | ICP | IPR | SEAL KIT | SLEEVE |
|---------|------------------------|---------|---------|----------|---------|
| 2007-09 | 4.5L MAXXFORCE 5 | 522-042 | 522-029 | 522-015 | 522-025 |
| 2005-06 | 4.5L VT275 | 522-042 | 522-029 | 522-015 | 522-025 |



522-042



522-029



522-015

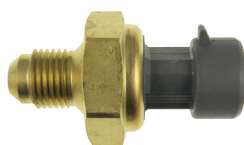


522-025

NOTE: 522-015 seal kit includes top high pressure seal & metal "C" clip.

EXHAUST BACK PRESSURE (EBP) SENSOR

| YEAR | APPLICATION | SENSOR |
|---------|------------------------|---------|
| 2007-10 | 4.5L MAXXFORCE 5 | 522-059 |

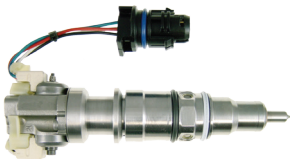


522-059

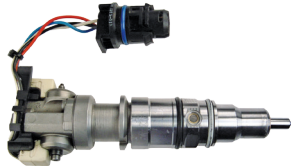
6.0L VT365

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | 4 PACK |
|---------|------------------|----------------|-------------------|
| 2004-07 | 6.0L VT365 | 722-507 | 722-5074PK |
| 2002-03 | 6.0L VT365..... | 722-506 | 722-5064PK |



722-506



722-507



722-5064PK / 722-5074PK

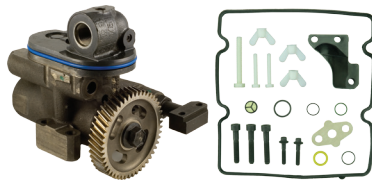
NOTE: All remanufactured 6.0L injectors include a 100% new spool valve, solenoid, connector & wire guide, internal & external seals, and a precision ground and flow tested nozzle assembly.

HIGH PRESSURE OIL PUMP

| YEAR | APPLICATION | REMAN PUMP |
|-----------|-----------------------------------|----------------|
| 2004.5-07 | 6.0L VT365 (CAST IRON PUMP) | 739-206 |
| 2002-04 | 6.0L VT365 (ALUMINUM PUMP) | 739-205 |



739-205



739-206

NOTE: 739-205 includes seal kit.

NOTE: 739-206 includes pump install kit.

6.0L VT365

EGR COOLER GASKET KIT

| YEAR | APPLICATION | GASKET KIT |
|---------|------------------|------------|
| 2004-07 | 6.0L VT365 | 522-027 |



522-027

NOTE: 522-027 includes OE coolant hose.

INJECTION PRESSURE REGULATOR VALVE (IPR)

| YEAR | APPLICATION | IPR |
|---------|------------------|---------|
| 2005-07 | 6.0L VT365 | 522-029 |
| 2003-04 | 6.0L VT365 | 522-028 |



522-028



522-029

6.0L VT365

INJECTION CONTROL PRESSURE SENSOR (ICP)

| YEAR | APPLICATION | ICP |
|---------|---|---------|
| 2005-07 | 6.0L VT365 | 522-042 |
| 2004 | 6.0L VT365 (SENSOR MOUNTS ON PASSERNGER SIDE VALVE COVER) | 522-042 |
| 2004 | 6.0L VT365 (SENSOR MOUNTS BELOW TURBOCHARGER) | 522-041 |
| 2003 | 6.0L VT365 | 522-041 |



522-041



522-042

EXHAUST GAS RECIRCULATION VALVE (EGR) / EGR SEAL KIT

| YEAR | APPLICATION | REMAN EGR | NEW EGR | SEAL KIT |
|---------|-----------------|-----------|---------|----------|
| 2002-03 | 6.0 VT365 | 522-021 | 522-019 | 522-048 |



522-021 / 522-019



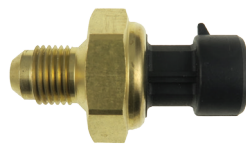
522-048

EXHAUST BACK PRESSURE (EBP) SENSOR

| YEAR | APPLICATION | SENSOR |
|---------|------------------|---------|
| 2005-07 | 6.0L VT365 | 522-058 |
| 2003-04 | 6.0L VT365 | 522-057 |



522-057



522-058

6.0L VT365

FUEL INJECTOR SEAL KIT / FUEL INJECTOR SLEEVE

| YEAR | APPLICATION | SEAL KIT | SLEEVE |
|---------|------------------|----------|---------|
| 2002-07 | 6.0L VT365 | 522-015 | 522-025 |



522-015

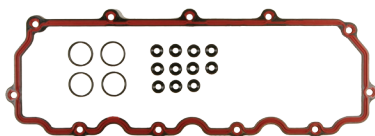


522-025

NOTE: 522-015 seal kit includes top high pressure seal & metal "C" clip.

VALVE COVER GASKET KIT

| YEAR | APPLICATION | GASKET KIT |
|---------|------------------|------------|
| 2002-07 | 6.0L VT365 | 522-031 |



522-031

NOTE: 522-031 services one side of engine, includes bolt insulators.

HIGH PRESSURE OIL RAIL BALL TUBES

| YEAR | APPLICATION | KIT |
|---------|------------------|---------|
| 2004-07 | 6.0L VT365 | 522-037 |



522-037

NOTE: 522-037 services one side of engine, includes seals and installation tool.

7.3L T444E

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ | 4 PACK |
|---------|---|----------------|-------------------|
| 1999-03 | FROM ENGINE #843990, SOLENOID CODE AD | 722-504 | 722-5044PK |
| 1999-03 | FROM ENGINE #843990, SOLENOID CODE AE | 722-505 | N/A |
| 1997-99 | FROM ENGINE #460195 TO 843989, SOLENOID CODE AB | 722-502 | 722-5024PK |
| 1994-96 | FROM ENGINE #500 TO 460194, SOLENOID CODE AA | 722-501 | 722-5014PK |
| 1994-96 | HIGH OUTPUT 210 HP & 230 HP, SOLENOID CODE AC | 722-503 | N/A |



722-501 / 722-502 / 722-503
722-504 / 722-505



722-5014PK / 722-5024PK / 722-5044PK

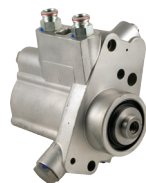
¹ It is recommended to use one 722-505 injector in the #8 cylinder to reduce "cackle" noise which some engines may exhibit. The 722-505 injector is specifically designed to help reduce engine noise and was used in later production engines. Its use in the #8 cylinder is optional.

HIGH PRESSURE OIL PUMP

| YEAR | APPLICATION | REMAN PUMP |
|---------|-------------------------------------|----------------|
| 1999-03 | FROM ENGINE #843990 | 739-204 |
| 1998-99 | FROM ENGINE #661895 TO 843989 | 739-203 |
| 1996-97 | FROM ENGINE #216544 TO 661894 | 739-202 |
| 1994-95 | FROM ENGINE #5500 TO 216543 | 739-201 |



739-201 / 739-202



739-203 / 739-204

NOTE: 739-201, 739-202, 739-203 and 739-204 pumps include gasket.

7.3L T444E

INJECTION PRESSURE REGULATOR VALVE (IPR) INJECTION CONTROL PRESSURE SENSOR (ICP)

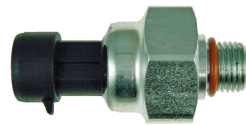
| YEAR | APPLICATION | IPR | ICP |
|---------|-----------------------------------|---------|---------|
| 1995-03 | FROM ENGINE #216544 | 522-008 | 522-040 |
| 1994-95 | FROM ENGINE #5500 TO 216543 | 522-007 | 522-040 |



522-007



522-008



522-040

EXHAUST BACK PRESSURE (EBP) SENSOR

| YEAR | APPLICATION | SENSOR |
|---------|------------------|---------|
| 1997-02 | 7.3L T444E | 522-057 |



522-057

GLOW PLUG RELAY

| YEAR | APPLICATION | RELAY |
|---------|------------------|---------|
| 1994-03 | 7.3L T444E | 522-009 |



522-009

7.3L T444E

FUEL INJECTOR SEAL KIT / FUEL INJECTOR SLEEVE

| YEAR | APPLICATION | SEAL KIT | SLEEVE |
|---------|------------------|----------|---------|
| 1994-03 | 7.3L T444E | 522-001 | 522-013 |



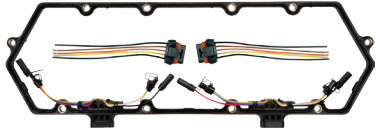
522-001



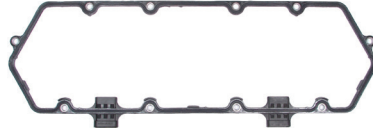
522-013

VALVE COVER GASKET / HARNESS REPAIR KIT (EARLY DESIGN - DUAL CONNECTOR)

| YEAR | APPLICATION | GASKET KIT | GASKET | VALVE COVER GASKET CONNECTOR | INJECTOR HARNESS |
|---------|------------------|------------|---------|------------------------------|------------------|
| 1994-97 | 7.3L T444E | 522-024 | 522-002 | 522-004 | 522-011 |



522-024



522-002



522-004



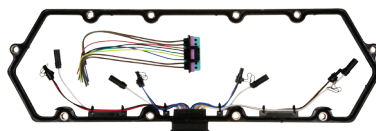
522-011

NOTE: 522-002 premium gasket.

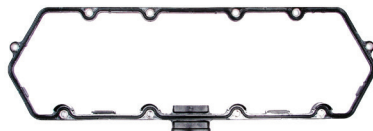
NOTE: 522-024, 522-002 one required per side. 522-004, 522-011 two required per side.

VALVE COVER GASKET / HARNESS REPAIR KIT (LATE DESIGN - SINGLE CONNECTOR)

| YEAR | APPLICATION | GASKET KIT | GASKET | VALVE COVER GASKET CONNECTOR | INJECTOR HARNESS |
|---------|------------------|------------|---------|------------------------------|------------------|
| 1998-03 | 7.3L T444E | 522-023 | 522-003 | 522-005 | 522-010 |



522-023



522-003



522-005



522-010

NOTE: 522-003 premium gasket.

NOTE: 522-023, 522-003, 522-005 and 522-010 one required per side.

2.7L DIESEL

FUEL INJECTOR

| YEAR | APPLICATION | REMAN INJ |
|---------|-------------------|-----------|
| 2004-06 | 2.7L DIESEL | 717-502 |
| 2000-03 | 2.7L DIESEL | 717-501 |



717-501







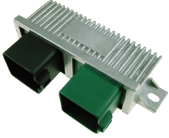
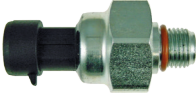








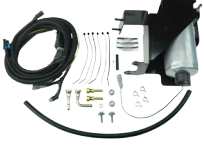









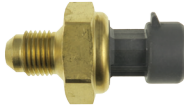
717-502

NOTE: 717-501, 717-502 include hold-down bolt and anti-seize compound.
























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|---|---|---|--|--|
| <p>522-001</p>  <p>FUEL INJECTOR SEAL KIT 7.3L Ford (1994-03) 7.3L International (1994-03)</p> | <p>522-002</p>  <p>VALVE COVER GASKET 7.3L Ford (1994-97) 7.3L International (1994-97)</p> | <p>522-003</p>  <p>VALVE COVER GASKET 7.3L Ford (1998-03) 7.3L International (1998-03)</p> | <p>522-004</p>  <p>VALVE COVER GASKET CONNECTOR 7.3L Ford (1994-97) 7.3L International (1994-97)</p> | <p>522-005</p>  <p>VALVE COVER GASKET CONNECTOR 7.3L Ford (1998-03) 7.3L International (1998-03)</p> |
| <p>522-007</p>  <p>INJECTION PRESSURE REGULATOR VALVE (IPR) 7.3L Ford (1994-95.5) 7.3L International (1994-95)</p> | <p>522-008</p>  <p>INJECTION PRESSURE REGULATOR VALVE (IPR) 7.3L Ford (1995.5-03) 7.3L International (1995-03)</p> | <p>522-009</p>  <p>GLOW PLUG RELAY 7.3L Ford (1994-03) 7.3L International (1994-03)</p> | <p>522-010</p>  <p>INTERNAL INJECTOR HARNESS 7.3L Ford (1998-03) 7.3L International (1998-03)</p> | <p>522-011</p>  <p>INTERNAL INJECTOR HARNESS 7.3L Ford (1994-97) 7.3L International (1994-97)</p> |
| <p>522-013</p>  <p>FUEL INJECTOR SLEEVE 7.3L Ford (1994-03) 7.3L International (1994-03)</p> | <p>522-015</p>  <p>FUEL INJECTOR SEAL KIT 6.0L Ford (2003-10) 6.0L International (2002-07) 4.5L Ford (2006-10) 4.5L International (2005-09)</p> | <p>522-019 / 522-020</p>  <p>NEW EXHAUST GAS RECIRCULATION VALVE (EGR) 6.0L Ford (2003-10) 6.0L International (2002-03)</p> | <p>522-021 / 522-022</p>  <p>REMAN EXHAUST GAS RECIRCULATION VALVE (EGR) 6.0L Ford (2003-10) 6.0L International (2002-03)</p> | <p>522-023</p>  <p>VALVE COVER GASKET KIT 7.3L Ford (1998-03) 7.3L International (1998-03)</p> |
| <p>522-024</p>  <p>VALVE COVER GASKET KIT 7.3L Ford (1994-97) 7.3L International (1994-97)</p> | <p>522-025</p>  <p>FUEL INJECTOR SLEEVE 6.0L Ford (2003-10) 6.0L International (2002-07) 4.5L Ford (2006-10) 4.5L International (2005-09)</p> | <p>522-027</p>  <p>EGR COOLER GASKET KIT 6.0L Ford (2004-10) 6.0L International (2004-07)</p> | <p>522-028</p>  <p>INJECTION PRESSURE REGULATOR VALVE (IPR) 6.0L Ford (2003-04) 6.0L International (2003-04)</p> | <p>522-029</p>  <p>INJECTION PRESSURE REGULATOR VALVE (IPR) 6.0L Ford (2004-10) 6.0L International (2005-07) 4.5L Ford (2006-10) 4.5L International (2005-09)</p> |
| <p>522-030</p>  <p>INJECTOR FUEL RETURN LINE GASKET KIT 6.6L GM (2001-04)</p> | <p>522-031</p>  <p>VALVE COVER GASKET KIT 6.0L Ford (2003-10) 6.0L International (2002-07)</p> | <p>522-032</p>  <p>VALVE COVER GASKET KIT 6.7L Dodge Cummins (2007-12) 5.9L Dodge Cummins (2006-09)</p> | <p>522-033</p>  <p>VALVE COVER GASKET KIT 5.9L Dodge Cummins (2003-05)</p> | <p>522-034</p>  <p>VALVE COVER GASKET KIT 5.9L Dodge Cummins (1998-02)</p> |

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| <p>522-035</p>  <p>VALVE COVER GASKET KIT 6.6L GM (2001-04)</p> | <p>522-036</p>  <p>VALVE COVER GASKET KIT 6.6L GM (2004-10)</p> | <p>522-037</p>  <p>HIGH PRESSURE OIL RAIL BALL TUBES 6.0L Ford (2004-10) 6.0L International (2004-07)</p> | <p>522-038</p>  <p>FUEL PRESSURE REGULATOR UPGRADE KIT 6.0L Ford (2003-10)</p> | <p>522-039</p>  <p>GLOW PLUG CONTROL MODULE 7.3L Ford (2000-03) 6.4L Ford (2008-10) 6.0L Ford (2003-10)</p> |
| <p>522-040</p>  <p>INJECTION CONTROL PRESSURE SENSOR (ICP) 7.3L Ford (1995-03) 7.3L International (1994-03)</p> | <p>522-041</p>  <p>INJECTION CONTROL PRESSURE SENSOR (ICP) 6.0L Ford (2003-04) 6.0L International (2003-04)</p> | <p>522-042</p>  <p>INJECTION CONTROL PRESSURE SENSOR (ICP) 6.0L Ford (2004-10) 6.0L International (2004-07) 4.5L Ford (2006-10) 4.5L International (2005-09)</p> | <p>522-043</p>  <p>FUEL INJECTOR INLET TUBE 6.7L Dodge Cummins (2007-12) 5.9L Dodge Cummins (2003-09)</p> | <p>522-044</p>  <p>FUEL INJECTOR SEAL KIT 7.6L International (1998-03)</p> |
| <p>522-045</p>  <p>FUEL INJECTOR SLEEVE 6.4L Ford (2008-10) 6.4L International (2008-10)</p> | <p>522-046</p>  <p>FUEL INJECTOR SLEEVE 6.6L GM (2001-04)</p> | <p>522-047</p>  <p>HARNESS 6.5L GM (1994-02)</p> | <p>522-048</p>  <p>EGR VALVE GASKET KIT 6.0L Ford (2003-10)</p> | <p>522-049</p>  <p>FUEL FILTRATION UPGRADE KIT 6.7L Dodge Cummins (2007-12)</p> |
| <p>522-050</p>  <p>FUEL FILTRATION UPGRADE KIT 6.7L Dodge Cummins (2007-12) 5.9L Dodge Cummins (2004.5-09)</p> | <p>522-051</p>  <p>FUEL INJECTOR SEAL KIT 6.6L GM (2001-04)</p> | <p>522-052</p>  <p>FUEL INJECTOR SEAL KIT 6.6L GM (2004-10)</p> | <p>522-053</p>  <p>FUEL INJECTOR SEAL KIT 6.7L Dodge Cummins (2007-12) 5.9L Dodge Cummins (2003-09)</p> | <p>522-054</p>  <p>FUEL INJECTOR HARNESS 6.0L Ford (2005-08)</p> |
| <p>522-055</p>  <p>FUEL INJECTOR SEAL KIT 6.6L GM (2001-04)</p> | <p>522-056</p>  <p>REPLACEMENT FILTER For Kit 522-049 & 522-050</p> | <p>522-057</p>  <p>EXHAUST BACK PRESSURE (EPB) SENSOR 7.3L Ford (1995-03) 6.0L Ford (2003-04) 7.3L International (1997-02) 6.0L International (2003-04)</p> | <p>522-058</p>  <p>EXHAUST BACK PRESSURE (EPB) SENSOR 6.0L Ford (2004-10) 6.0L International (2005-07)</p> | <p>522-059</p>  <p>EXHAUST BACK PRESSURE (EPB) SENSOR 6.4L Ford (2008-10) 7.6L International (2004-06) 7.6L Maxxforce DT/9/10 (2007-10) 6.4L Maxxforce 7 (2007-10) 4.5L Maxxforce 5 (2007-10)</p> |

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| <p>7-015</p>  <p>FUEL INJECTOR SUPPLY LINE 5.9L Dodge Cummins (2003-09)</p> | <p>7-016</p>  <p>FUEL INJECTOR HIGH PRESSURE LINE 6.6L GM LLY (2004-05)</p> | <p>7-017</p>  <p>FUEL INJECTOR HIGH PRESSURE LINE 6.6L GM LLY (2004-05)</p> | <p>7-018</p>  <p>FUEL INJECTOR HIGH PRESSURE LINE 6.6L GM LLY (2004-05)</p> | <p>7-019</p>  <p>FUEL INJECTOR HIGH PRESSURE LINE 6.6L GM LLY (2004-05)</p> |
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Cummins CPL# to GB Injector Cross Reference

To help with product identification, Certified Parts List information is found on the engine data plate. Use the CPL cross reference below to help determine the appropriate GB replacement injector. The engine data plate is located on the side of the timing chain cover on the driver's side of the engine. In some cases the same CPL number may use two different injectors, depending on other engine options. In this case, the CPL has been omitted from the list because it cannot accurately determine the proper injector. If the CPL number on the vehicle is not listed use the vehicle application guide.

| CPL # | GB PART # | CPL # | GB PART # | CPL # | GB PART # | CPL # | GB PART # | CPL # | GB PART # | CPL # | GB PART # |
|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|
| 804 | 711-104 | 2279 | 711-107 | 2618 | 711-107 | 2906 | 711-107 | 8230 | 712-504 | 8411 | 712-501 |
| 1257 | 712-503 | 2280 | 711-106 | 2619 | 711-106 | 2907 | 711-107 | 8231 | 712-504 | 8413 | 712-501 |
| 1264 | 712-503 | 2415 | 711-107 | 2660 | 711-106 | 2998 | 712-501 | 8232 | 712-503 | 8421 | 712-502 |
| 1351 | 711-103 | 2426 | 712-501 | 2661 | 711-106 | 8030 | 711-107 | 8233 | 712-504 | 8422 | 712-502 |
| 1549 | 711-101 | 2495 | 711-107 | 2662 | 711-107 | 8031 | 711-107 | 8234 | 712-504 | 8423 | 712-502 |
| 1550 | 711-102 | 2496 | 711-107 | 2663 | 711-107 | 8032 | 711-107 | 8344 | 712-502 | 8424 | 712-502 |
| 1579 | 711-103 | 2497 | 711-107 | 2865 | 711-107 | 8033 | 711-107 | 8345 | 712-502 | 98293 | 712-501 |
| 1815 | 711-101 | 2512 | 711-107 | 2866 | 711-107 | 8034 | 711-107 | 8346 | 712-502 | 98294 | 712-501 |
| 1816 | 711-102 | 2513 | 711-106 | 2885 | 712-503 | 8035 | 711-107 | 8347 | 712-502 | 98329 | 712-501 |
| 1959 | 711-101 | 2514 | 711-107 | 2902 | 711-107 | 8128 | 712-501 | 8348 | 712-502 | | |
| 1968 | 711-101 | 2515 | 711-106 | 2903 | 711-107 | 8223 | 712-501 | 8349 | 712-502 | | |
| 2024 | 711-107 | 2616 | 711-106 | 2904 | 711-107 | 8224 | 712-501 | 8350 | 712-502 | | |
| 2098 | 711-106 | 2617 | 711-106 | 2905 | 711-107 | 8229 | 712-501 | 8351 | 712-502 | | |

OEM to GB Cross Reference

| OEM # | GB PART # | OEM # | GB PART # | OEM # | GB PART # | OEM # | GB PART # |
|-----------------|------------|-----------------|------------|------------------|------------|-----------------|------------|
| 0432217092..... | 631-102 | 0470506021..... | 739-302 | 1818259C2..... | 722-501 | 1831551C1..... | 722-5044PK |
| 0432217092..... | 731-102 | 0470506022..... | 739-301 | 1818259C2..... | 722-5014PK | 1831551C13..... | 722-504 |
| 0432217104..... | 631-103 | 0470506027..... | 739-301 | 1818350C2..... | 522-002 | 1831551C13..... | 722-5044PK |
| 0432217104..... | 731-103 | 0470506028..... | 739-302 | 1818350C2..... | 522-024 | 1831646C1..... | 522-009 |
| 0432217275..... | 631-104 | 0470506029..... | 739-301 | 1819656C91..... | 721-110 | 1833564C92..... | 522-001 |
| 0432217275..... | 731-104 | 05086867AA..... | 522-043 | 1821752C1..... | 722-501 | 1833564C92..... | 522-044 |
| 0432217276..... | 631-105 | 05175565AA..... | 522-043 | 1821752C1..... | 722-5014PK | 1833639C1..... | 722-505 |
| 0432217276..... | 731-105 | 05175565AB..... | 522-043 | 1821836C3..... | 722-501 | 1833640C1..... | 722-505 |
| 0445010622..... | 739-211 | 05175565AC..... | 522-043 | 1821836C3..... | 722-5014PK | 1833644C1..... | 722-505 |
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| 0445020147..... | 739-304 | 0986435518..... | 712-504 | 1823751C91..... | 722-5044PK | 1842226C91..... | 718-521 |
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| 0445110163..... | 717-502 | 0986435520..... | 732-504 | 1823757RX91..... | 722-5024PK | 1842576C92..... | 718-513 |
| 0445110181..... | 717-501 | 0986435521..... | 732-503 | 1824455C94..... | 722-503 | 1842576C93..... | 718-513 |
| 0445110182..... | 717-501 | 0986435621..... | 712-505 | 1824456C96..... | 722-503 | 1842576C94..... | 718-513 |
| 0445117010..... | 732-505 | 0986437303..... | 739-103 | 1824472C1..... | 722-503 | 1842577C91..... | 718-511 |
| 0445117023..... | 722-509 | 0986437304..... | 739-304 | 1824473C2..... | 722-503 | 1842577C92..... | 718-511 |
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| 0445120018..... | 712-5016PK | 10183930..... | 739-106 | 1825125C2..... | 722-502 | 1842579C94..... | 718-521 |
| 0445120027..... | 732-501 | 10183951..... | 739-107 | 1825125C2..... | 722-5024PK | 1842579C95..... | 718-521 |
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| 0445120113..... | 712-501 | 12458121..... | 631-104 | 1826703C1..... | 522-003 | 1845150C92..... | 722-5074PK |
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| 0445120255..... | 712-501 | 17800077..... | 739-101 | 1831488C1..... | 722-504 | 1848489C92..... | 718-512 |
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| 0445120342..... | 712-505 | 1807329C92..... | 522-040 | 1831489C1..... | 722-504 | 1848492C91..... | 718-518 |
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| 0470506015..... | 739-301 | 1816605C91..... | 721-109 | 1831551C1..... | 722-504 | 1848721C91..... | 718-515 |

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| 1848721C94 | 718-515 | 3C3Z9439AA | 522-027 | 5013848AA | 711-106 | 8C3Z9229A | 7-009 |
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| 1850353C1 | 522-057 | 3C3Z9C968AA | 522-028 | 5018177AA | 611-108 | 8C3Z9A543DRM | 739-207 |
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| 1875072C91 | 722-508 | 3C3Z9E527ARM | 722-506 | 5086871AA | 7-010 | 8C3Z9E527DRM | 722-508 |
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| 217233 | 731-105 | 4C3Z12B599DRM | 921-123 | 5C3Z9F452AA | 522-022 | 98062291 | 7-004 |
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| 2172336 | 721-109 | 4C3Z9A543AARM | 739-205 | 5C3Z9J460B | 522-058 | 998612 | 522-005 |
| 2172441 | 732-503 | 4C3Z9E527AA | 722-507 | 5C3Z9T287ARM | 522-037 | A6120700487 | 717-501 |
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| 2173227 | 731-104 | 4C3Z9E527ARM | 722-507 | 5C3Z9VE527ARM | 722-505 | BC3Z12B533B | 522-060 |
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| 2173440 | 732-505 | 4C3Z9E527BRM | 722-507 | 5C3Z9VE527BRM | 722-5044PK | BC3Z9229D | 7-021 |
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| 23503123 | 739-106 | 4C3Z9F452A | 522-019 | 5C4Z9A543B | 739-206 | BC3Z9A543B | 739-211 |
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| 23504000 | 739-107 | 4C3Z9F838A | 522-042 | 6704001 | 631-103 | BC3Z9A564B | 522-068 |
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| 397281400 | 739-304 | 5010823R91 | 718-515 | 68027067AB | 712-504 | CMR7RM | 722-505 |
| 3979419 | 522-043 | 5010983R91 | 718-512 | 68069384AA | 712-504 | CMR8RM | 722-504 |
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| 3C3Z12B599AARM | 921-124 | 5010986R91 | 718-516 | 8004082AA | 712-501 | CN5019RM | 722-507 |
| 3C3Z6584BA | 522-031 | 5013847AA | 611-107 | 8004082AA | 712-5016PK | CN5020RM | 722-506 |

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| CN5022 | 722-509 | F5TF12B599AA | 921-110 | R4720540 | 611-104 |
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| CN6017RM | 722-508 | F5TZ12B599AA | 921-110 | R4728745 | 739-307 |
| CN6019 | 722-511 | F5TZ12B599AB | 921-110 | R4761595 | 611-102 |
| CN6020 | 722-512 | F61Z9VE527BRM | 722-502 | R4761595 | 711-102 |
| CN6025 | 722-509 | F61Z9VE527BRM | 722-5024PK | R4761596 | 611-101 |
| CN6026 | 722-510 | F61Z9VE527ERM | 722-505 | R4761596 | 711-101 |
| CN6027á | 722-511 | F6TF12B599AA | 921-110 | R5013925AA | 739-302 |
| CN6028 | 722-512 | F6TZ12B599AA | 921-110 | R5019658AD | 739-301 |
| CN6035 | 722-509 | F6TZ9A543ARM | 739-202 | R5135154AB | 717-501 |
| CN6036 | 722-510 | F6TZ9F838A | 522-040 | R5137297AB | 717-502 |
| CN6037 | 722-512 | F6TZ9VA543ARM | 739-202 | R5191780AD | 739-304 |
| CN6038 | 722-511 | F7TF12B599AA | 921-110 | R8002012AC | 712-503 |
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| CX2056 | 522-019 | F7TF12B599AD | 921-110 | RM1U2J9G744AA | 722-5014PK |
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| CX2366 | 522-063 | F7TF12B599AF | 921-110 | XC3F12B599AA | 921-120 |
| CX2466RM | 522-020 | F7TF12B599AG | 921-110 | XC3F12B599AB | 921-120 |
| CX2466RM | 522-022 | F7TZ12B533A | 522-009 | XC3F12B599AC | 921-120 |
| CX2467RM | 522-019 | F7TZ12B599AA | 921-110 | XC3F12B599AD | 921-120 |
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| DPFE6 | 522-058 | F7TZ12B599AD | 921-110 | XC3Z12B599AC | 921-120 |
| DPFE7 | 522-059 | F7TZ12B599AE | 921-110 | XC3Z12B599AD | 921-120 |
| DPFE8 | 522-059 | F7TZ12B599AF | 921-110 | XC3Z9229AB | 522-001 |
| DY1261 | 522-060 | F7TZ12B599AG | 921-110 | XC3Z9E527AARM | 722-505 |
| DY1297 | 522-060 | F7TZ9E527ARM | 722-501 | YC3Z12B533AA | 522-039 |
| DY1350 | 522-060 | F7TZ9E527ARM | 722-5014PK | | |
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| E3TZ9E527A | 621-101 | F81Z6584AA | 522-003 | | |
| E3TZ9E527A | 721-101 | F81Z6584AA | 522-023 | | |
| E4TZ9E527A | 621-108 | F81Z9A543BRM | 739-203 | | |
| E4TZ9E527A | 721-108 | F81Z9A543CRM | 739-204 | | |
| E4TZ9E527B | 621-108 | F81Z9C968AA | 522-008 | | |
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| E6TZ9229A | 7-002 | F81Z9D930AB | 522-010 | | |
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| E9TZ9A543C | 739-208 | F81Z9E527DRM | 722-501 | | |
| EX631048 | 732-504 | F81Z9E527DRM | 722-5014PK | | |
| EX631103 | 712-505 | F81Z9E527EARM | 722-505 | | |
| EX63800AA | 722-501 | F8TZ9229AA | 522-001 | | |
| EX63803AD | 722-504 | FC3Z9A543A | 739-212 | | |
| EX63804AE | 722-505 | FC3Z9H529A | 722-511 | | |
| EX6703801 | 631-102 | FC3Z9H529B | 722-512 | | |
| EX6703801 | 731-102 | FC3Z9H529C | 722-511 | | |
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| F0TZ9A543E | 739-208 | FC3Z9H529F | 722-511 | | |
| F0TZ9A543F | 739-208 | FI2RM | 722-501 | | |
| F0TZ9A543G | 739-208 | GC3Z12B533A | 522-060 | | |
| F0TZ9A543H | 739-208 | HP004X | 739-201 | | |
| F2TZ9A543D | 739-208 | HP005X | 739-202 | | |
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| F2TZ9E527A | 721-109 | HP008X | 739-204 | | |
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| F3TZ9E527B | 721-110 | HPP10RM | 739-205 | | |
| F4TZ6584A | 522-002 | HPP11RM | 739-207 | | |
| F4TZ6584A | 522-024 | HPP12RM | 739-206 | | |
| F4TZ6584AC | 522-004 | HPP1RM | 739-202 | | |
| F4TZ9A543BRM | 739-201 | HPP4RM | 739-203 | | |
| F4TZ9C968C | 522-007 | HPP8RM | 739-205 | | |
| F4TZ9C968CB | 522-007 | HPP9RM | 739-204 | | |
| F4TZ9D930K | 522-011 | OP1RM | 739-201 | | |
| F4TZ9F538A | 522-013 | R4429991 | 739-306 | | |
| F4TZ9VA543AARM | 739-201 | R4638651 | 611-103 | | |
| F4TZ9VE527AARM | 722-501 | R4638651 | 711-103 | | |
| F4TZ9VE527AARM | 722-5014PK | R4638723 | 739-307 | | |

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| 522-001 | F8TZ9229AA | 522-032 | 5179091AC | 611-107 | 5013847AA | 711-108 | 5018177AA |
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GB to OEM Cross Reference

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| 739-212 | 0986437441 |
| 739-212 | FC3Z9A543A |
| 739-301 | 0470506003 |
| 739-301 | 0470506005 |
| 739-301 | 0470506011 |
| 739-301 | 0470506012 |
| 739-301 | 0470506015 |
| 739-301 | 0470506022 |
| 739-301 | 0470506027 |
| 739-301 | 0470506029 |
| 739-301 | 0986444022 |
| 739-301 | R5019658AD |
| 739-302 | 0470506014 |
| 739-302 | 0470506021 |
| 739-302 | 0470506028 |
| 739-302 | 0986444023 |
| 739-302 | R5013925AA |
| 739-304 | 0445020011 |
| 739-304 | 0445020039 |
| 739-304 | 0445020147 |
| 739-304 | 0986437304 |
| 739-304 | 397281400 |
| 739-304 | R5191780AD |
| 739-305 | 0445020076 |
| 739-305 | 0445020106 |
| 739-305 | 0445020146 |
| 739-305 | 0986437334 |
| 739-305 | 4940423 |
| 739-305 | 4944110 |
| 739-305 | 4947456 |
| 739-305 | 68027022AA |
| 739-305 | 68027022AB |
| 739-305 | 68027022AC |
| 739-306 | R4429991 |
| 739-307 | 3923346 |
| 739-307 | 4429570 |
| 739-307 | 4638723 |
| 739-307 | 4728745 |
| 739-307 | R4638723 |
| 739-307 | R4728745 |
| 921-110 | F5TF12B599AA |
| 921-110 | F5TF12B599AB |
| 921-110 | F5TZ12B599AA |
| 921-110 | F5TZ12B599AB |
| 921-110 | F6TF12B599AA |
| 921-110 | F6TZ12B599AA |
| 921-110 | F7TF12B599AA |
| 921-110 | F7TF12B599AB |
| 921-110 | F7TF12B599AC |
| 921-110 | F7TF12B599AD |
| 921-110 | F7TF12B599AE |

| GB PART # | OEM # |
|-----------|----------------|
| 921-110 | F7TF12B599AF |
| 921-110 | F7TF12B599AG |
| 921-110 | F7TZ12B599AA |
| 921-110 | F7TZ12B599AB |
| 921-110 | F7TZ12B599AC |
| 921-110 | F7TZ12B599AD |
| 921-110 | F7TZ12B599AE |
| 921-110 | F7TZ12B599AF |
| 921-110 | F7TZ12B599AG |
| 921-120 | 2C2412B599AA |
| 921-120 | 2C2412B599AB |
| 921-120 | XC3F12B599AA |
| 921-120 | XC3F12B599AB |
| 921-120 | XC3F12B599AC |
| 921-120 | XC3F12B599AD |
| 921-120 | XC3Z12B599AA |
| 921-120 | XC3Z12B599AB |
| 921-120 | XC3Z12B599AC |
| 921-120 | XC3Z12B599AD |
| 921-122 | 3C3Z12B599AARM |
| 921-122 | 4C3Z12B599ABRM |
| 921-122 | 4C3Z12B599CRM |
| 921-123 | 3C3Z12B599AARM |
| 921-123 | 4C3Z12B599ABRM |
| 921-123 | 4C3Z12B599DRM |
| 921-124 | 3C3Z12B599AARM |
| 921-124 | 4C3Z12B599ABRM |
| 921-124 | 4C3Z12B599ERM |

Company Policies

Warranty Policy

All GB fuel injectors and related products are warranted against any factory defects for 24 months, unlimited mileage.

GB Remanufacturing's liability is limited to the replacement or repair of the defective part(s). No allowance will be made for labor, installation charges, or damage claims. Any evidence of tampering, abuse, or improper installation voids this warranty. Warranty items must be accompanied by a return merchandise authorization number (RMA #) and a detailed description of the claim. Please note, injector or pump failure that is the result of poor fuel quality or contamination is not covered by GB's limited warranty.

Core Policy

Cores must be returned in the original box, part number for number, to receive full credit. If not received in the original box, maximum allowable credit is 10% of the published core charge.

1) No core credit will be given if the following conditions are present:

- Visible signs of rust, fire damage, water damage, or physical abuse/force
- Non-OEM style products

2) Partial core credit may be given under certain circumstances. Please consult the GB core eligibility guide.

Merchandise Returns

All returned merchandise must be accompanied by a return merchandise authorization number (RMA #). Authorized returns are subject to a restocking fee.

Overnight Delivery

GB Remanufacturing offers overnight freight service for those requiring parts the next day.

Rebuild & Return Service (R & R)

GB Remanufacturing provides rebuild and return (R&R) services for customers with unique and hard to find applications. Contact GB for more information.

Catalog Support

GB Remanufacturing offers the most complete and accurate catalog in the industry. Please let us know if you find an application or part number that does not appear to be correct. We value your opinion, please let us know if we should add coverage for a specific vehicle. Our catalog representatives can be reached at catalog@gbreman.com.

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Customer Service and Technical Support

GB Remanufacturing is dedicated to providing unparalleled customer service and technical support. Consult our website and TechBlog for the latest bulletins and technical information.

Our representatives are available from 7:00 AM to 5:00 PM Pacific Time, Monday through Friday. Call us toll free at:

(866) 4GB-REMAN (866) 442-7362

Premium Power Stroke 6.0L Injector - P/N 722-506 & 722-507



GB Remanufacturing is pleased to announce the release of its Premium Remanufactured 6.0L Injector. The upgraded version will include 100% solenoid replacement. During remanufacture all internal components are inspected and worn parts are replaced, 100% of all plunger return springs are replaced, a common component failure on the 6.0L injector. All surfaces are inspected and lapped as needed. All o-rings and seals are replaced. Each injector is rigorously tested under numerous operating parameters to ensure reliability and longevity.

100% New Solenoid, Connector & Wire Guide Replacement

All GB 6.0L injectors feature 100% replacement of the solenoids, wire, connector and wire guide. The new solenoid eliminates wire insulation cracking, coil discoloration and coil failure in the field. The new OE connector ensures proper connection to the vehicle wiring harness and proper fit and sealing through the valve cover.

GB's Precision Ground Spool Valve

GB's 6.0L injector spool valves and housing are 100% leak and flow tested to meet or exceed OE specifications. New GB spool valves are designed with updated features to reduce injector stiction, a common problem on the 6.0L engine.

Precision Nozzle Assembly

Precision ground nozzles are 100% flow tested to ensure accurate and precise fuel delivery.



Premium Duramax 6.6L LB7 Injector - P/N 732-502



GB Remanufacturing is pleased to announce the release of its premium remanufactured injector for the 2001-04 Duramax 6.6L LB7. The upgraded version features 100% solenoid replacement, 100% nozzle replacement and 100% fuel fitting replacement. All units are tested to meet or exceed OEM specifications and are covered by GB's 24 month/unlimited mileage warranty.

GB's industry exclusive injector will provide improved longevity and reliability over OE and competitive reman units.

New Solenoid Assembly

New solenoid ensures proper injector response time and improves injector longevity. New electrical terminal studs eliminate poor connections and the potential for stripped threads.

New Fitting & Filter Assembly

Many remanufactured competitive units suffer from damaged threads and internal contamination of the edge filter, a critical but often overlooked part of the common rail injector. GB's new fitting ensures proper sealing and fuel filtration, reducing the chance of leaks and injector failure from contamination.

















Precision Nozzle Assembly

100% Replacement ensures accurate and precise fuel delivery under all operating parameters.



GB's Complete FICM vs Board Only Option Making the Right Choice

The Fuel Injection Control Module (FICM) has a high failure rate on the Ford 6.0L Power Stroke engine. The FICM is a sophisticated control module consisting of two boards bolted together and contained in a single aluminum housing. The main board contains the microprocessor, all the injector drivers and the device's operating software. The power supply board converts the battery's 12 volts to 48 volts, which is supplied to the fuel injectors. This document outlines the benefits of replacing the complete FICM versus just the power supply board.

| Feature | GB's Complete FICM  | Competitor Power Supply Board Only  |
|---|---|--|
| Includes the Latest FICM Software Released by Ford |  Ford has made numerous software upgrades to the FICM during the 6.0L Power Stroke's life cycle. These updates were incremental improvements to improve engine operation and extend injector life. GB's FICM is preprogrammed with the latest software from Ford, which improves cold start up performance, reduces injector stiction problems, and improves injector life. |  Because the software is stored on the main board, the power supply board option does not upgrade the existing FICM with the latest software. The customer can be left with outdated or obsolete software which would require a costly dealer software reflash. This can add as much as \$125 to the total repair cost. |
| Guaranteed to Fix 100% of FICM Failure Modes |  Since GB's FICM is a complete FICM, it is guaranteed to fix 100% of FICM failure modes. All GB units are completely remanufactured and 100% tested as a complete unit. |  The board only option will not fix failures on the main board which are common. This results in the customer installing the board only to find out it did not fix the root problem. This wastes valuable labor time. |
| Easy Installation & Reduced Labor Time |  With GB's complete FICM, replacement simply requires removal and installation of the entire FICM. All GB FICMs come preprogrammed for the specific vehicle which is another time and money saving feature. Three part numbers provide 100% coverage, simply bolt-on and go. |  The board only option requires removal and complete disassembly of the FICM to install the new power supply board into the old FICM. This can take up to 1 hour of additional labor time without the assurance that the repair will result in success. |
| Includes Upgrades to Common Failures on Main Board |  During the remanufacturing process, GB upgrades the main board to prevent common failure modes, avoiding future issues. |  Because the board only option reuses the old main board, this often results in FICM failure down the road. |
| Includes Technical Bulletin with Technical Tips and Critical Inspection Procedures |  GB includes a tech bulletin with each FICM that covers important wiring harness and connector inspection procedures to identify common failures in the wiring system. |  Includes instructions for the board only, once the FICM is removed and disassembled. No vehicle technical tips are provided, which can result in lost labor time. |
| Total Repair Cost |  Because GB's FICM offers additional features and benefits such as reduced labor time and guaranteed repair of all FICM issues, it provides a better value for the customer. |  With the additional labor time to disassemble the FICM to install the board, the board only option does not provide the best value, especially considering the additional benefits complete FICM replacement offers. |
| Works with Both Hardware Platforms & Provides 100% Coverage |  Ford developed two different hardware platforms for the FICM, referred to as 7-Pin and 4-Pin. This refers to the number of screw lugs that attaches the power supply board to the main board. The 7-Pin early hardware was replaced later in the vehicles production cycle. Since GB's FICM's are a complete plug-and-play solution, any guesswork is eliminated and the customer can be sure the FICM will work in their vehicle, regardless of hardware platform. |  The aftermarket board only fits 4-pin hardware. Unfortunately the type of hardware can only be determined by removing and disassembling the FICM. Some customers purchase the board only to find out after disassembly they have the 7-Pin hardware. This requires the customer to return the board and purchase a complete FICM. |

Remanufactured Ford 6.0L Fuel Injection Control Modules (FICM)

The FICM has a high failure rate on the 6.0L engine, which may cause stalling or a no-start condition. OEM replacement modules come unprogrammed and must be programmed by the installer prior to vehicle operation, a difficult and costly task for the independent repair facility. GB's remanufactured FICM's are 100% torn-down and upgraded to eliminate common failure points. Each unit is fully tested at the factory and must pass a battery of tests which include fully loading the internal power supply, verification of communication between the FICM and PCM, verification of each injector activation, and waveform analysis of each injector's coil. A complete self diagnostic and scan test is also performed. Once fully tested the modules are preprogrammed with the appropriate vehicle software and are ready for installation and operation.

Preprogrammed OE Replacement FICM (48 Volt)

| 6.0L FICM Application Matrix | | | | |
|------------------------------|------------------------------|----------------|----------------|----------------|
| Model Year | Note | F-Super Duty | Excursion | E-Series |
| 2003 | | 921-122 | 921-122 | Not Applicable |
| 2004 | Engines To 9-22-03 | | | 921-124 |
| | Engines 9-22-03+ | 921-123 | | |
| 2005 | Early Excursions To Jan 2005 | 921-124 | 921-124 | |
| | Excursions Jan 2005+ | | Not Applicable | |
| 2006 | | | | |
| 2007 | | | | |
| 2008 | | | | |
| 2009 | | Not Applicable | | |
| 2010 | | | | |



Preprogrammed Arctic PowerVolt High Performance FICM (58 Volt)

GB Remanufacturing's Arctic PowerVolt 58 Volt FICM is a remanufactured high performance FICM designed to improve cold weather engine operation, improve injector response time and reduce injector stiction; common problems associated with the 2003-09 Ford Powerstroke 6.0L engine. The APV FICM accomplishes this by increasing voltage to the injectors from 48 volts to 58 volts and modifies the peak current used to activate the fuel injectors. Unlike other competitive 58 volt FICMs, GB Remanufacturing's Arctic PowerVolt 58 Volt FICM upgrades all of the components and drivers exposed to this higher voltage. In addition to these upgrades, GB corrects many of the original design and manufacturing flaws that are present in the original equipment FICMs. The result is a highly reliable unit that improves engine performance.

| APV FICM Application Matrix | | | |
|-----------------------------|--------------|-----------|----------|
| Model Year | F-Super Duty | Excursion | E-Series |
| 2003-2009 | 921-158P | | |





Premium. Period.

- ✓ Competitive Pricing Offers Best Value
- ✓ Easy Access to US-Based Diesel Technical Support Line
- ✓ 100% Tested and Backed by GB's 24-Month Warranty
- ✓ Includes Comprehensive Product Tech Tips & Bulletins

Dodge/RAM 5.9L Cummins Injector Six-Pack



100% New Solenoid with Updated Control Valve

New solenoid ensures precise fuel injection timing and new control valve improves injector longevity over competitive units.



Quality Inside & Out

All internal and external o-rings and seals are replaced using the finest materials and compounds available, so you can install them with confidence. Additionally, all injector surfaces are inspected and lapped as needed.



New Inlet Tubes Included to Ensure Trouble-Free Repair

The fuel inlet tubes must be replaced when installing new Dodge/Ram 5.9L Cummins injectors to prevent immediate injector failure due to contamination. The Premium Dodge/Ram 5.9L Cummins Injector Six-Pack includes six replacement fuel inlet tubes to ensure a complete and trouble-free repair.



100% New Precision Nozzle Assembly

Precision ground nozzle is 100% flow tested to ensure accurate and precise fuel delivery under all operating conditions.

GM 6.6L Duramax LB7 Injector Four-Pack



100% New Solenoid Assembly

New solenoid ensures proper injector response time and improves injector longevity. New electrical terminal studs eliminate poor connections and the potential for stripped threads.



New Fitting & Filter Assembly

Many competitive remanufactured units suffer from damaged threads and internal contamination of the edge filter, a critical and often overlooked part of the common rail injector. The new fitting ensures proper sealing and fuel filtration, reducing the chance of leaks and injector failure from contamination.



New Fuel Lines Included to Ensure Trouble-Free Repair

Fuel line contamination is the number one cause of premature injector failure in GM 6.6L Duramax LB7 engines. To ensure a complete and trouble-free repair, the cylinder-specific replacement fuel lines are included in the Premium GM 6.6L Duramax LB7 Injector Four-Pack.



100% New Precision Nozzle Assembly

Precision ground nozzle is 100% flow tested to ensure accurate and precise fuel delivery under all operating conditions.

Ford 6.0L Power Stroke Injector Four-Pack



100% New Spool Valve with Improved Design

All Premium 6.0L Power Stroke Injectors are remanufactured using GB's new, precision ground spool valves. Designed to eliminate stiction, a common problem with new OEM injectors, our spool valves reduce costly warranties and returns, saving you both time and money!



100% New Solenoid, Connector & Wire Guide

New solenoid assembly eliminates wire insulation cracking, coil discoloration and coil failure in the field. New terminals, wire guides and connectors are utilized to ensure proper connection between the vehicle harness and injector.



Quality Inside & Out

All internal and external o-rings and seals are replaced using the finest materials and compounds available, so you can install them with confidence. A common failure in other 6.0L injectors, we replace 100% of all plunger return springs during our remanufacturing process, eliminating the chance of future failure. Additionally, all injector surfaces are inspected and lapped as needed.



Precision Nozzle Assembly

Precision ground nozzle is 100% flow tested to ensure accurate and precise fuel delivery under all operating conditions.

Ford 7.3L Power Stroke Injector Four-Pack



Precision Nozzle Assembly

Precision ground nozzle is 100% flow tested to ensure accurate and precise fuel delivery under all operating conditions.



Quality Inside & Out

All internal and external o-rings and seals are replaced using the finest materials and compounds available, so you can install them with confidence. Additionally, all injector surfaces are inspected and lapped as needed.



100% Replacement of Plunger & Barrel

The replacement of the plunger and barrel improves injector longevity over competitive units.



100% New Solenoid

New solenoid assembly eliminates wire insulation cracking, coil discoloration and coil failure in the field.

COMPANY OVERVIEW

GB Remanufacturing, Established 1986

Started in 1986 by Bill and Michael Kitching, GB remanufactures and distributes premium gasoline and diesel fuel system related products to its customers around the world.

Bill and Michael started the company in a leased 1,100 square foot building in Signal Hill, California. The company's original product offering was remanufactured carburetor choke pull-offs that were distributed to carburetor rebuilders. As years progressed and automotive technology evolved, the company expanded its offerings and moved a short distance to its current location in Long Beach, California.

Today, GB has grown to over 135 employees, 1,200+ products and has become the market leader in providing premium remanufactured gasoline and diesel fuel injectors, diesel electronics and components to the automotive aftermarket. GB is still family owned and operated.

We owe our success to our dedicated employees, providing our customers with the highest quality products, and our unwavering commitment to provide excellence in customer service.



Premium Gasoline and Diesel Fuel Injection Products



GASOLINE FUEL INJECTORS & SEAL KITS

Our remanufactured gasoline fuel injector program is the most complete in the industry. With over 1,200 part numbers covering over 68,000 vehicle applications, we've got you covered.

Because our fuel injectors are remanufactured OE injectors, you can have confidence in knowing your customers are guaranteed form, fit and function every time.



DIESEL FUEL INJECTORS, ELECTRONICS, PUMPS & COMPONENTS

GB was the first to offer a complete light duty diesel program to the automotive aftermarket in 2007.

Our diesel line includes premium diesel products for Ford Power Stroke, GM Duramax, Dodge/RAM Cummins, Navistar, and more. Our premium remanufactured diesel injectors are re-designed and re-engineered to perform better than OE.



FUEL INJECTOR TEST EQUIPMENT & COMPONENTS

GB has a complete suite of equipment to test both gasoline and diesel fuel injectors. Our state of the art equipment developed by our partner Carbon-Zapp, delivers OE level test capabilities at an affordable price.

We also offer an entire catalog of gasoline injector service components including o-rings, seals, pintle caps and filters.

The Market Leader for Premium Gasoline and Diesel Fuel Injection Products



Technical Support and Warranty

Bilingual Telephone Support

GB offers US-based bilingual (English/Spanish) technical support for our products. Our technical support staff are available Monday through Friday from 7:00 am to 4:30 pm PST.

Product Technical Bulletins

GB includes technical bulletins with its product that address important installation tips to reduce warranty exposure. All of GB's technical bulletins are available for download on our website.

Knowledge Center

The GB Knowledge Center is an online technical resource designed for automotive repair shop owners, technicians, and counter professionals looking to deepen their understanding of fuel injection systems, diagnostics, and evolving technologies. The GB Knowledge Center is easily accessible on the company's website via desktop or mobile device at www.gbreman.com/knowledgecenter.

Marketing Support

Leverage GB's marketing and product technical expertise and materials to create a compelling marketing program that will be well received by professional technicians. GB offers both electronic and printed brochures to assist in marketing efforts.

Warranty

All of Gb's products are covered by an industry leading 24-month, unlimited mileage warranty.



Electronic Cataloging and EDI Capabilities

GB offers its cataloging in the ACES and PIES compliant format, including expanded cataloging notes with product features and benefits. GB is fully EDI capable and has a dedicated IT department to ensure a smooth implementation.

GB also offers its Diesel Catalog in on our website for download. Simply visit www.gbreman.com/catalogs.



GB is a proud member of the following trade organizations.



PREMIUM GASOLINE AND DIESEL FUEL INJECTION PRODUCTS

2023

DIESEL CATALOG

- **INJECTORS**
- **FUEL LINES**
- **IPR VALVES**
- **EGR VALVES**
- **EGR COOLERS**
- **INJECTION PUMPS**
- **INJECTOR SEAL KITS**
- **INJECTOR HOSE KITS**
- **VALVE COVER GASKETS**
- **INJECTOR DRIVER MODULES**
- **FUEL INJECTION CONTROL MODULES**

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