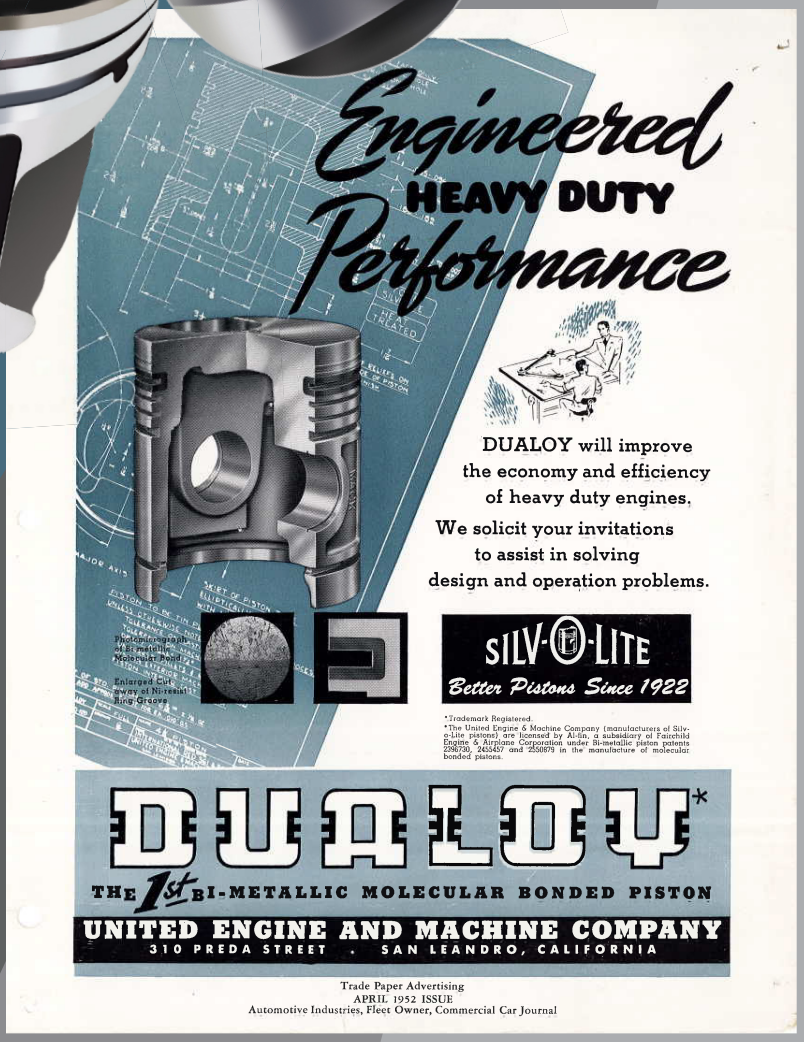
DUALOY
DIESEL/HD GAS



* UEM developed and patented the top reinforced alfin bonded iron ring groove for diesel and heavy duty applications back in 1952.

DUALOY
DIESEL/HD GAS

PERFORMANCE DRIVEN
HI-TECH PISTON COATINGS

LINE2LINE and UltraThermCM coatings can be added to any UEM piston as an option. Coatings are sold as each, so for an 8-cylinder set order quantity 8.

UltraWear M42
PERFORMANCE SKIRT COATING

- Piston skirt dry film lubricant.
- Decrease engine noise and helps protect against dry start ups.
- Applied .0005" per side.
- UltraWearM42™ = 250,000 PSI VS. Competitors moly coat = 60,000 PSI

LINE2LINE COATINGS™

- Abradable skirt coating.
- Non-geometric oil substrate.
- Applied at the total skirt clearance for an initial ZERO fit.
- Hones in to maintain proper oil wedge for a perfect fit to cylinder greatly reducing piston rock.
- Improved ring seal.
- Reduces shock loads and degradation in piston/rod/bearing assembly.
- Custom fits to each cylinder.

Part # L2L COATING - add final skirt diameter after coating in order comments. Sold as Each.

New

Honed In

UltraThermCM
CERAMIC METALIC BARRIER

- Heat reflective coating applied to piston crown.
- Lowers piston crown operating temperature.
- Reduces oil temperature.
- Applied at .0015" thick.
- Aids in increasing piston service life by reducing heat transfer to piston.
- UEM's UltraThermCM Coating is a standard feature on many of the late model diesel engine pistons produced by UEM.

Part # TBC Sold as each.

UEM's 7222DT .010" Reduced Compression Dualoy piston for the Ford 6.4L Power Stroke includes UEM's UltraThermCM ceramic metallic crown coating as a standard feature!

DUALOY
DIESEL/HD GAS

TABLE OF CONTENTS

ALPHABETICAL LISTING BY MANUFACTURER:

Chevrolet 7
Cummins. 4
Dodge 4
Ford / Navistar. 5
General Motor Corporation 7
IHC / Navistar 9
Oldsmobile 7

POWER STROKE

DURAMAX

CUMMINS

DODGE

CYL BORE ENGINE	YEAR COMP. RATIO	VIN CODE	NOTES	PART NO. SIZE	RINGS	O.E. ASSY. NO. INTERCHANGE*	HEAD SHAPE
V8-361 5.9 L 4.1250(IN) 104.8(MM) DODGE GAS	1960-77 7.5		2.960" dia. head recess .110" deep. Truck engine. COMP HT: 1.880 PIN DIA: 1.094 Center	3219D STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	2084357 FM H251P	+11.5cc
L6-369 5.9 L 4.016(IN) 102(MM) CUMMINS DIESEL	1994-98 17.5	D	Diesel Engine Standard Output Model B Series 12 Valve Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered COMP HT: 2.818 PIN DIA: 1.575	Pistons Only 7199D Pistons & Rings 7199DKT STD. .5mm .75mm 1.0mm	3.0K mm 2.35mm 4.0mm Ring Set # 20014	3802493 224-3520	+45.2cc
L6-369 5.9 L 4.016(IN) 102(MM) CUMMINS DIESEL	1998-02 17.2	6	Diesel Engine Standard Output Model ISB 24 Valve Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered COMP HT: 2.818 PIN DIA: 1.575	Pistons Only 7198D Pistons & Rings 7198DKT STD. .5mm 1.0mm	3.0K mm 2.35mm 4.0mm Ring Set # 20014	3946153 224-3355	+47.2cc
L6-369 5.9 L 4.016(IN) 102(MM) CUMMINS DIESEL	2001-02 17.5	7	Diesel Engine HI Output Model 24 Valve Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered COMP HT: 2.818 PIN DIA: 1.575	Pistons Only 7200D Pistons & Rings 7200DKT STD. .5mm 1.0mm	3.0K mm 2.35mm 4.0mm Ring Set # 20014	3946051 3934047 224-3354	+45cc
L6-369 5.9 L 4.016(IN) 102(MM) CUMMINS DIESEL	2003-04 17.1	C	Diesel Engine Model 'ETH' and HO Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered COMP HT: 2.809 PIN DIA: 1.575	Pistons Only 7197D Pistons & Rings 7197DKT STD. .5mm 1.0mm	3.0K mm 2.39mm 4.0mm Ring Set # 20004	3965497 224-3672	+44.9cc
L6-369 5.9 L 4.016(IN) 102(MM) CUMMINS DIESEL	2003-04 16.3	6	Diesel Engine Model 'ETC' and NON-HO Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered COMP HT: 2.811 PIN DIA: 1.575	Pistons Only 7196D Pistons & Rings 7196DKT STD. .5mm 1.0mm	3.0K mm 2.39mm 4.0mm Ring Set # 20004	3958675 224-3674	+44.92cc
L6-369 5.9 L 4.016(IN) 102(MM) CUMMINS DIESEL	2005-09 17.1	C	Diesel Engine Model 'ETH' and HO Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered COMP HT: 2.809 PIN DIA: 1.575	Pistons Only 7195D Pistons & Rings 7195DKT STD. .5mm 1.0mm	3.0K mm 2.39mm 4.0mm Ring Set # 20004	3970192 224-3673	+45.4cc
L6-409 6.7 L 4.212(IN) 107(MM) CUMMINS DIESEL	2007-13 17.2	A, C, L	Diesel Engine Standard Output Model 24 Valve Iron ring insert in top groove. Keystone top ring. Floating Pin - Offset COMP HT: 2.734 PIN DIA: 1.575	Pistons Only 7201D Pistons & Rings 7201DKT STD. .5mm 1.0mm	2.87K mm 2.5mm 3.46mm Ring Set # 20006	4938619 224-3732	+51.4cc

*OE Assembly interchanges reference the standard bore size components **ONLY**. Oversized dimension components and components with reduced compression heights commonly use unique part numbers.

DODGE

CYL BORE ENGINE	YEAR COMP. RATIO	VIN CODE	NOTES	PART NO. SIZE	RINGS	O.E. ASSY. NO. INTERCHANGE*	HEAD SHAPE
L6-409 6.7 L 4.212(IN) 107(MM) CUMMINS DIESEL	2009-13 17.2	A, L	Diesel Engine Standard Output Model ETJ / ISB 200 24 Valve Iron ring insert in top groove. Keystone top ring. Floating Pin - Offset COMP HT: 2.736 PIN DIA: 1.575	Pistons Only 7202D Pistons & Rings 7202DKT STD. .5mm 1.0mm	2.87K mm 2.5mm 3.46mm Ring Set # 20006	4931888 224-3802	+51.6cc
V8-413 6.8 L 4.1880(IN) 106.4(MM) DODGE GAS	1960-77 7.5		3.250" dia. head recess .220" deep. Truck engine. COMP HT: 2.023 PIN DIA: 1.094 Center	1272D STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	2084361 3004779 FM H254P	+22cc

FORD

V8-363 6.0 L 3.740(IN) 95(MM) NAVISTAR DIESEL	2003-04 18:1	P	Power Stroke 6.0L Diesel OHV, 16 and 32 valve Iron ring insert in top groove. Keystone top ring. Floating Pin-Centered COMP HT: 2.059 PIN DIA: 1.339	Pistons Only 7203D Pistons & Rings 7203DKT STD .25mm .5mm .75mm 1.0mm	2.30K mm 2.0mm 3.5mm Ring Set # 20002	XC3Z6108AA 224-3454	+32.2cc
V8-363 6.0 L 3.740(IN) 95(MM) NAVISTAR DIESEL	2004-07 18:1	P	Power Stroke 6.0L Diesel OHV, 16 and 32 valve Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered COMP HT: 2.059 PIN DIA: 1.339	Pistons Only 7204D Pistons & Rings 7204DKT STD .25mm .5mm .75mm 1.0mm	2.30K mm 2.0mm 3.5mm Ring Set # 20002	1843285C2 224-3503	+31.9cc
NEW V8-363 6.0 L 3.740(IN) 95(MM) NAVISTAR DIESEL	2004-07 18:1	P	Power Stroke 6.0L Diesel OHV, 16 and 32 valve Iron ring inset in top groove. Keystone top ring. Floating Pin - Centered **.010" Reduced Compression Height** COMP HT: 2.049 PIN DIA: 1.339	Pistons Only 7214D Pistons & Rings 7214DKT STD .25mm .5mm .75mm 1.0mm	2.30K mm 2.0mm 3.5mm Ring Set # 20002	224-3902	+31.9cc
V8-370 6.1 L 4.0500(IN) 102.9(MM) FORD GAS	1979-91 8.0		Flat head w/2 valve reliefs. Truck engine. COMP HT: 2.120 PIN DIA: 1.0402 Offset	1173D STD. .020 .030 .040 .060 .080	1-3/32 1-5/64 1-3/16 Iron Top Groove	D9HZ6108G	+1cc
V8-389 6.4 L 4.0500(IN) 102.9(MM) FORD GAS	1964-78 7.2		2.956" dia. head recess .328" deep. Floating Pin COMP HT: 1.760 PIN DIA: .9752 Offset	3145D STD. .020 .030 .040 .060	1-3/32 1-5/64 1-3/16 Iron Top Groove	D5TZ6108A FM 995NP	+29cc

FORD

CYL BORE ENGINE	YEAR COMP. RATIO	VIN CODE	NOTES	PART NO. SIZE	RINGS	O.E. ASSY. NO. INTERCHANGE*	HEAD SHAPE
V8-390 **6.4 L** **3.866(IN)** **98.2(MM)** **FORD POWER STROKE** **DIESEL**	2007-10 17.2:1	R	Navistar VT 6.4L Diesel OHV, 32 valve Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered **DLC Coated Pin** COMP HT: 2.059 PIN DIA: 1.516	**Pistons Only** **7205D** **Pistons & Rings** **7205DKT** STD .25mm .5mm .75mm 1.0mm	2.5K mm 2.0mm 3.0mm **Ring Set #** 20000	1878410C1 224-3666	+37.8cc
NEW **V8-390** **6.4 L** **3.866(IN)** **98.2(MM)** **FORD POWER STROKE** **DIESEL**	2008-10 17.2:1	R	Navistar VT 6.4L Diesel OHV, 32 valve Iron ring inset in top groove. Keystone top ring. Floating Pin - Centered **.010" Reduced Compression Height** **DLC Coated Pin** COMP HT: 2.049 PIN DIA: 1.516	**Pistons Only** **7215D** **Pistons & Rings** **7215DKT** STD .25mm .5mm .75mm 1.0mm	2.5K mm 2.0mm 3.0mm **Ring Set #** 20000	224-3891	+37.8cc
V8-390 **6.4 L** **3.866(IN)** **98.2(MM)** **FORD POWER STROKE** **DIESEL**	2008-10 17.5:1	T	**MaxxForce 7** Navistar VT 6.4L Diesel OHV, 32 valve Iron ring insert in top groove. Keystone top ring. Floating DLC Coated Pin - Centered COMP HT: 2.059 PIN DIA: 1.516	**Pistons Only** **7212D** **Pistons & Rings** **7212DKT** STD .25mm .5mm .75mm 1.0mm	2.5K mm 2.0mm 2.5mm **Ring Set #** 20018	224-3851	+38.1cc
NEW **V8-390** **6.4 L** **3.866(IN)** **98.2(MM)** **FORD POWER STROKE** **DIESEL**	2008-10 17.5:1	T	**MaxxForce 7** Navistar VT 6.4L Diesel OHV, 32 valve Iron ring insert in top groove. Keystone top ring. Floating DLC Coated Pin - Centered **.010" Reduced Compression Height** COMP HT: 2.049 PIN DIA: 1.516	**Pistons Only** **7222D** **Pistons & Rings** **7222DKT** STD .25mm .5mm .75mm 1.0mm	2.5K mm 2.0mm 2.5mm **Ring Set #** 20018	224-3953	+38.1cc
NEW **V8-390** **6.4 L** **3.866(IN)** **98.2(MM)** **FORD POWER STROKE** **DIESEL**	2008-10 17.5:1	T	**MaxxForce 7** Navistar VT 6.4L Diesel Iron ring insert in top groove. Keystone top ring. Floating DLC Coated Pin - Centered **.010" Reduced Compression Height** **Thermal Barrier Crown Coating** COMP HT: 2.049 PIN DIA: 1.516	**Pistons Only** **7222DT** **Pistons & Rings** **7222DTKT** STD .25mm .5mm .75mm 1.0mm	2.5K mm 2.0mm 2.5mm **Ring Set #** 20018	224-3953C	+38.1cc
V8-406 **6.7 L** **3.897(IN)** **99(MM)** **FORD POWER STROKE** **DIESEL**	2011-15 16.2:1	T	Power Stroke 6.7L Diesel OHV, 32 valve Iron ring insert in top groove. Keystone top ring. Floating Pin - Offset COMP HT: 2.146 PIN DIA: 1.3386	**Pistons Only** **7206D** **Pistons & Rings** **7206DKT** STD .25mm .5mm .75mm 1.0mm	3.0K mm 2.0mm 2.5mm **Ring Set #** 20001	BC3Z6108D 224-3852	+39.7cc
NEW **V8-406** **6.7 L** **3.897(IN)** **99(MM)** **FORD POWER STROKE** **DIESEL**	2011-15 16.2:1	T	Power Stroke 6.7L Diesel OHV, 32 valve Iron ring insert in top groove. Keystone top ring. Floating Pin - Offset **.010" Reduced Compression Height** COMP HT: 2.136 PIN DIA: 1.3386	**Pistons Only** **7216D** **Pistons & Rings** **7216DKT** STD .25mm .5mm .75mm 1.0mm	3.0K mm 2.0mm 2.5mm **Ring Set #** 20001		+39.7cc
V8-421 **6.9 L** **4.0000(IN)** **101.6(MM)** **FORD** **DIESEL**	1984-87 19.7		Truck Diesel. Swirl chamber. B Series. (Supersedes 7085D, different Lockring grooves). Floating Pin. COMP HT: 1.945 PIN DIA: 1.1101 Center	**7096D** STD. .010 .020 .030 .040 .060	2-5/64 1-7/64 Iron Top Groove	E3TZ6108AA E3TZ6108AF E4TZ6108G 1805212C1 FM H729CP	+8cc

FORD

CYL BORE ENGINE	YEAR COMP. RATIO	VIN CODE	NOTES	PART NO. SIZE	RINGS	O.E. ASSY. NO. INTERCHANGE*	HEAD SHAPE
V8-429 **7.0 L** **4.3600(IN)** **110.7(MM)** **FORD** **GAS**	1979-90 8.0		Flat head w/2 valve reliefs. Truck engine. COMP HT: 2.140 PIN DIA: 1.0402 Offset	**1175D** STD. .020 .030 .040 .060	1-3/32 1-5/64 1-3/16 Iron Top Groove	D9HZ6108A FM H723P	+2cc
V8-445 **7.3 L** **4.1100(IN)** **104.4(MM)** **FORD POWER STROKE** **DIESEL**	1994-04 17.5		Power Stroke 7.3L Diesel Iron ring insert in top groove. Keystone top ring. Floating Pin - Offset Direct Injection - Navistar COMP HT: 2.141 PIN DIA: 1.3085	**Pistons Only** **7207D** **Pistons & Rings** **7207DKT** STD .25mm .5mm .75mm 1.0mm	3.0K mm 2.0mm 3.5mm Iron Top Groove **Ring Set #** 20007	1820154C2-H 224-3163	+39.6cc
V8-445 **7.3 L** **4.1100(IN)** **104.4(MM)** **FORD POWER STROKE** **DIESEL**	1994-04 17.5		Power Stroke 7.3L Diesel Iron ring insert in top groove. Keystone top ring. Floating Pin - Offset Direct Injection - Navistar **.010" Reduced Compression Height** COMP HT: 2.131 PIN DIA: 1.3085	**Pistons Only** **7217D** **Pistons & Rings** **7217DKT** STD .25mm .5mm .75mm 1.0mm	3.0K mm 2.0mm 3.5mm Iron Top Groove **Ring Set #** 20007	1820154C2-H 224-3163	+39.6cc

GENERAL MOTORS

V8-350 **5.7 L** **4.057(IN)** **103.04(MM)** **OLDSMOBILE** **DIESEL**	1978-85 22.5:1		Diesel engine. Flat Top with two valve reliefs Iron insert in top ring groove Floating Pin Right and left pistons COMP HT: 1.770 PIN DIA: 1.095 Offset	**1637D** STD. .020 .030 .040	5/64 5/64 3/16	22520324LH 22520325RH	
V8-366 **6.0 L** **3.9375(IN)** **100.0(MM)** **CHEVY** **GAS**	1991-93 8.0		Dome head .095" w/1 valve relief. Truck engine. Except H5D. Use early style rings. COMP HT: 2.160 PIN DIA: .9898 Center	**3448D** STD. .020 .030 .040 .060	1-3/32 2-5/64 1-3/16 Iron Top Groove	FM H811CP	
V8-366 **6.0 L** **3.9370(IN)** **100.0(MM)** **CHEVY** **GAS**	1966-85 8.0		Flat head w/1 valve relief. Truck engine. COMP HT: 2.160 PIN DIA: .9898 Center	**1435D** STD. .020 .030 .040 .060	1-3/32, 2-5/64, 1-3/16 Iron Top Groove	3886172 10106498 FM H958CP	+5cc
V8-366 **6.0 L** **3.9375(IN)** **100.0(MM)** **CHEVY** **GAS**	1985-90 8.0 Sm. Chmbr. 9.0		Dome head .095" high w/1 valve relief. Propane engine and 1985-90 gas truck engine. Except H5D. COMP HT: 2.160 PIN DIA: .9898 Center	**1490D** STD. .020 .030 .040 .060	1-3/32 2-5/64 1-3/16 Iron Top Groove	10106480 10046482 10108926 14100826	

GENERAL MOTORS

CYL BORE ENGINE	YEAR COMP. RATIO	VIN CODE	NOTES	PART NO. SIZE	RINGS	O.E. ASSY. NO. INTERCHANGE*	HEAD SHAPE
V8-379 **6.2 L** **3.9764(IN)** **101.0(MM)** **CHEVY** **DIESEL**	1982-93 20.1		Diesel engine. Flat head w/Ricardo Cup. Keystone top groove. Min. clearance cylinders 1-6 (.0045") and cylinders 7 and 8 (.0055"). COMP HT: 2.119 PIN DIA: 1.220 Center	**1467D** STD. .5mm .75mm 1.0mm 1.5mm	1-3.0Kmm 1-2.0mm 1-4.0mm Iron Top Groove	14053377 23500391 23500393 FM H587P	+6cc
V8-395 **6.5L** **4.0551(IN)** **103.0(MM)** **CHEVY** **DIESEL**	1992-01		Diesel Turbo and Non-Turbo. Flat head w/ Ricardo Cup .055" deep. Hard-Anodized head. COMP HT: 2.115 PIN DIA: 1.2205 Center	**3436D** STD. .5mm .75mm 1.0mm 1.5mm	1-3.0Kmm 1-2.0mm 1-4.0mm Iron Top Groove	10183937 12550059 12550061 10236521 FM 2773PNA	
V8-403 **6.6 L** **4.055(IN)** **103(MM)** **GM DURAMAX** **DIESEL**	2001-05 17.5:1	1, 2	Set includes 4 Right and 4 Left bank pistons. Iron ring insert in top groove. Keystone top Ring. DURAMAX Engine Code LB7 COMP HT: 1.960 PIN DIA: 1.358	**Pistons Only** **7208D** **Pistons & Rings** **7208DKT** STD .5mm 1.0mm	3.0K mm 2.0mm 3.0mm **Ring Set #** 20009	97303755-R 97303756-L 224-3452-R 224-3451-L	+38cc
NEW **V8-403** **6.6 L** **4.055(IN)** **103(MM)** **GM DURAMAX** **DIESEL**	2001-05 17.5	1, 2	Set includes 4 Right and 4 Left bank pistons. Iron ring insert in top groove. Keystone top Ring. DURAMAX Engine Code LB7 **.010" Reduced Compression Height** COMP HT: 1.950 PIN DIA: 1.358	**Pistons Only** **7218D** **Pistons & Rings** **7218DKT** STD .5mm 1.0mm	3.0K mm 2.0mm 3.0mm **Ring Set #** 20009		+38cc
V8-403 **6.6 L** **4.055(IN)** **103(MM)** **GM DURAMAX** **DIESEL**	2006-10 16.8:1	D, 2, 6	Set includes 4 Right and 4 Left bank pistons. Coated Skirts Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered DURAMAX, Engine codes LMM and LBZ COMP HT: 1.960 PIN DIA: 1.358	**Pistons Only** **7210D** **Pistons & Rings** **7210DKT** STD .5mm 1.0mm	3.0K mm 2.0mm 3.0mm **Ring Set #** 20009	97374384-R 97374385-L 224-3708-R 224-3709-L	+40.4cc
NEW **V8-403** **6.6 L** **4.055(IN)** **103(MM)** **GM DURAMAX** **DIESEL**	2006-10 16.8:1	D, 2, 6	Set includes 4 Right and 4 Left bank pistons. Coated Skirts Iron ring insert in top groove. Keystone top ring. Floating Pin - Centered DURAMAX, Engine codes LMM and LBZ **.010" Reduced Compression Height** COMP HT: 1.950 PIN DIA: 1.358	**Pistons Only** **7220D** **Pistons & Rings** **7220DKT** STD .5mm 1.0mm	3.0K mm 2.0mm 3.0mm **Ring Set #** 20009		+40.4cc
V8-427 **7.0 L** **4.2500(IN)** **107.95(MM)** **CHEVY** **GAS**	1984-93		2.900" off center combustion recess .100" deep w/1 valve relief. Truck engine. Tall deck. Truck block. COMP HT: 2.160 PIN DIA: .9898 Center	**3401D** STD. .020 .030 .040 .060	1-3/32, 2-5/64, 1-3/16 Iron Top Groove	10106490 3893251 14087482 FM H604CP	

INTERNATIONAL / NAVISTAR

CYL BORE ENGINE	YEAR COMP. RATIO	VIN CODE	NOTES	PART NO. SIZE	RINGS	O.E. ASSY. NO. INTERCHANGE*	HEAD SHAPE
L4-152 **2.5 L** **3.8750(IN)** **98.4(MM)** **IHC** **GAS**	8.2		Flat head. Not destroked. Exhaust emission engine. COMP HT: 1.891 PIN DIA: 1.0625 Center	**7187D** STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	334218-C2 334218-C31 FM H997CP	0cc
L4-152 **2.5 L** **3.8750(IN)** **98.4(MM)** **IHC** **GAS**	1965-68 8.2		Contoured head. Not destroked. Scout. COMP HT: 2.200 PIN DIA: 1.0625 Center	**7185D** STD. .020 .030 .040 .050 .060	2-3/32 1-3/16 Iron Top Groove	216160R11 FM 992P	
L4-196 **3.2 L** **4.1250(IN)** **104.8(MM)** **IHC** **GAS**	1955-56 8.0		Offset "D" shaped head recess .340" deep. Not destroked. Exhaust emission engine. COMP HT: 1.907 PIN DIA: 1.0625 Center	**7186D** STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	337144-C1 FM H861CP	
V8-304 **4.9 L** **3.8750(IN)** **98.4(MM)** **IHC** **GAS**	1965-74 8.2		Flat head. Not destroked. Exhaust emission engine. COMP HT: 1.891 PIN DIA: 1.0625 Center	**7082D** STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	334218-C2 334218-C31 FM H997CP	0cc
V8-304 **5.0 L** **3.8750(IN)** **98.4(MM)** **IHC** **GAS**	1965-74 8.2		V304 engine. Contoured head. Not destroked. COMP HT: 2.200 PIN DIA: 1.0625 Center	**7058D** STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	216160R11 FM 992P	
V8-345 **5.6 L** **3.8750(IN)** **98.4(MM)** **IHC** **GAS**	1965-74 8.2		V345 Engine. Contoured Head. Not destroked. COMP HT: 2.200 PIN DIA: 1.0625 Center	**7058D** STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	216160R11 FM 992P	
V8-345 **5.6 L** **3.8750(IN)** **98.4(MM)** **IHC** **GAS**	1965-74 8.2		Flat head. Not destroked. Exhaust emission engine. COMP HT: 1.891 PIN DIA: 1.0625 Center	**7082D** STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	334218-C2 334218-C31 FM H997CP	0cc
V8-392 **6.4 L** **4.1250(IN)** **104.8(MM)** **IHC** **GAS**	1969-74 8.0		Offset "D" shaped head recess .340" deep. Not destroked. Exhaust emission engine. COMP HT: 1.907 PIN DIA: 1.0625 Center	**7080D** STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	337144-C1 FM H996CP	+13cc

INTERNATIONAL / NAVISTAR

CYL BORE ENGINE	YEAR COMP. RATIO	VIN CODE	NOTES	PART NO. SIZE	RINGS	O.E. ASSY. NO. INTERCHANGE*	HEAD SHAPE
V8-404 **6.6 L** **4.1250(IN)** **104.8(MM)** **IHC** **GAS**	1975-80 8.0		MV404 Engine. 3.500" dia. head recess .325" deep. Not destroked. COMP HT: 1.920 PIN DIA: 1.0201 Center	**7084D** STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	446494C93 FM H999P	+37.5cc
V8-421 **6.9 L** **4.0000(IN)** **101.6(MM)** **IHC** **DIESEL**	1983-86 19.7		Truck Diesel. Swirl chamber. (6.6cc cup). B Series. (Supersedes 7085D, different Lockring grooves). Floating Pin. COMP HT: 1.945 PIN DIA: 1.1101 Center	**7096D** STD. .010 .020 .030 .040 .060	2-5/64 1-7/64 Iron Top Groove	1805212C1 1805851C1 FM H729CP	+8cc
V8-445 **7.3 L** **4.1100(IN)** **104.4(MM)** **IHC** **DIESEL**	1989-94		Non-Turbo Diesel. Ricardo cup. Truck engine. COMP HT: 1.950 PIN DIA: 1.1101 Center	**7098D** STD. .010 .020 .030 .040	1-3.0mm 1-2.0mm 1-3.5mm Iron Top Groove	E9TZ6102A F2TZ6102A FM 2745PN	+10cc
V8-446 **7.3 L** **4.1250(IN)** **104.8(MM)** **IHC** **GAS**	1975-80 8.0		MV446 engine. 3.500" dia. head recess .325" deep. Not destroked. COMP HT: 1.920 PIN DIA: 1.0201 Center	**7084D** STD. .020 .030 .040 .060	2-3/32 1-3/16 Iron Top Groove	446494C93 FM H999P	+37.5cc
V8-445 **7.3 L** **4.1100(IN)** **104.4(MM)** **IHC POWER STROKE** **DIESEL**	1994-03 F		Power Stroke 7.3L Diesel Iron ring insert in top groove. Keystone top ring. Floating Pin - Offset Direct Injection - Navistar COMP HT: 2.141 PIN DIA: 1.3085	**Pistons Only** **7207D** **Pistons & Rings** **7207DKT** STD .25mm .5mm .75mm 1.0mm	3.0K mm 2.0mm 3.5mm Iron Top Groove **Ring Set #** 20007	224-3163	+39.6cc
V8-445 **7.3 L** **4.1100(IN)** **104.4(MM)** **IHC POWER STROKE** **DIESEL**	1994-04 17.5		Power Stroke 7.3L Diesel Iron ring insert in top groove. Keystone top ring. Floating Pin - Offset Direct Injection - Navistar **.010" Reduced Compression Height** COMP HT: 2.131 PIN DIA: 1.3085	**Pistons Only** **7217D** **Pistons & Rings** **7217DKT** STD .25mm .5mm .75mm 1.0mm	3.0K mm 2.0mm 3.5mm Iron Top Groove **Ring Set #** 20007	1820154C2-H 224-3163	+39.6cc
V8-551 **9.0 L** **4.5100(IN)** **114.6(MM)** **IHC** **DIESEL**			Spherical dome w/combustion bowl and 2 valve reliefs. Not destroked. COMP HT: 2.866 PIN DIA: 1.5000 Center	**7099D** STD. .020 .030	1/8 Keystone 1-3/32 1-3/16 Iron Top Groove	FM 2673PN	

NUMERICAL LISTING

Part No.	Division	Cyl	Cu. In.	Liter/	Years	Pg.
1173D	FORD	V8	370	6.1L	1979-91	5
1175D	FORD	V8	429	7.0L	1979-90	7
1272D	DODGE	V8	413	6.8L	1960-77	5
1435D	CHEVY	V8	366	6.0L	1966-85	7
1467D	CHEVY	V8	379	6.2L	1982-93	8
1490D	CHEVY	V8	366	6.0L	1985-90	7
1637D	OLDSMOBILE	V8	350	5.7L	1978-85	7
3145D	FORD	V8	389	6.4L	1964-78	5
3219D	DODGE	V8	361	5.9L	1960-77	4
3401D	CHEVY	V8	427	7.0L	1984-93	8
3436D	GM	V8	395	6.5L	1992-01	8
3448D	CHEVY	V8	366	6.0L	1991-93	7
7058D	IHC	V8	304	5.0L	1965-74	9
7058D	IHC	V8	345	5.6L	1965-74	9
7080D	IHC	V8	392	6.4L	1969-74	9
7082D	IHC	V8	304	4.9L	1965-74	9
7082D	IHC	V8	345	5.6L	1965-74	9
7084D	IHC	V8	404	6.6L	1975-80	10
7084D	IHC	V8	446	7.3L	1975-80	10
7096D	IHC	V8	421	6.9L	1983-86	10
7096D	FORD	V8	421	6.9L	1984-87	6
7098D	IHC	V8	445	7.3L	1989-94	10
7099D	IHC	V8	551	9.0L		10
7185D	IHC	L4	152	2.5L	1965-68	9
7186D	IHC	L4	196	3.2L	1955-56	9
7187D	IHC	L4	152	2.5L		9
7195D	CUMMINS	L6	369	5.9L	2005-09	4
7196D	CUMMINS	L6	369	5.9L	2003-04	4
7197D	CUMMINS	L6	369	5.9L	2003-04	4
7198D	CUMMINS	L6	369	5.9L	1998-02	4
7199D	CUMMINS	L6	369	5.9L	1994-98	4
7200D	CUMMINS	L6	369	5.9L	2001-02	4
7201D	CUMMINS	L6	409	6.7L	2007-13	4
7202D	CUMMINS	L6	409	6.7L	2009-13	5
7203D	NAVISTAR	V8	363	6.0L	2003-04	5
7204D	NAVISTAR	V8	363	6.0L	2004-07	5
7205D	FORD	V8	390	6.4L	2007-10	6
7206D	FORD	V8	406	6.7L	2011-15	6
7207D	FORD	V8	445	7.3L	1994-04	7
7207D	IHC	V8	445	7.3L	1994-04	10
7208D	GM	V8	403	6.6L	2001-05	8
7210D	GM	V8	403	6.6L	2006-10	8
7212D	FORD	V8	390	6.4L	2008-10	6
7214D	NAVISTAR	V8	390	6.0L	2004-07	5
7215D	NAVISTAR	V8	406	6.4L	2007-10	6
7216D	FORD	V8	445	6.7L	2011-15	6
7217D	FORD	V8	445	7.3L	1994-04	7
7217D	IHC	V8	445	7.3L	1994-04	10
7218D	GM	V8	445	6.6L	2001-05	8
7220D	GM	V8	403	6.6L	2006-10	8
7221D	FORD	V8	403	6.4L	2008-10	6
7222D	FORD	V8	390	6.4L	2008-10	6

224-3163	7207D
224-3354	7200D
224-3355	7198D
224-3451L	7208D
224-3452R	7208D
224-3454	7203D
224-3503	7204D
224-3520	7199D
224-3666	7205D
224-3672	7197D
224-3673	7195D
224-3674	7196D
224-3708R	7210D
224-3709L	7210D
224-3732	7201D
224-3802	7202D
224-3851	7212D
224-3852	7206D
224-3891	7215D
224-3902	7214D
224-3953	7222D
224-3953C	7221D
22520324LH	1637D
22520325RH	1637D
2673PN	7099D
2745PN	7098D
992P	7058D
992P	7185D
995NP	3145D
H251P	3219D
H254P	1272D
H587P	1467D
H604CP	3401D
H723P	1175D
H729CP	7096D
H811CP	3448D
H861CP	7186D
H958CP	1435D
H996CP	7080D
H997CP	7082D
H997CP	7187D
H999P	7084D
-	7216D
-	7217D
-	7218D
-	7220D

CLEARANCE CHART FOR DUALOY PISTONS

Note: Follow the "Recommended Finish Bore Diameter" information on the piston container label.

Piston	Cyl Dia (in)	Cyl Dia (mm)	Clearance
1173D	4.050	102.9	0.002
1175D	4.360	110.7	0.003
1272D	4.188	106.4	0.002
1435D	3.937	100.0	0.002
1467D	3.976	101.0	0.005
1490D	3.938	100.0	0.002
1637D	4.057	103.04	0.004
3145D	4.050	102.9	0.002
3219D	4.125	104.8	0.002
3401D	4.250	107.95	0.003
3448D	3.938	100.0	0.002
7058D	3.875	98.4	0.003
7080D	4.125	104.8	0.003
7082D	3.875	98.4	0.003
7084D	4.125	104.8	0.002
7096D	4.000	101.6	0.005
7098D	4.110	104.4	0.006
7099D	4.510	114.6	0.005
7185D	3.875	98.4	0.003
7186D	4.125	104.8	0.003
7187D	3.875	98.4	0.003
7195D	4.016	102	0.004
7196D	4.016	102	0.005
7197D	4.016	102	0.005
7198D	4.016	102	0.005
7199D	4.016	102	0.005
7200D	4.016	102	0.005
7201D	4.212	107	0.005
7202D	4.212	107	0.005
7203D	3.740	95	0.004
7204D	3.740	95	0.004
7205D	3.866	98.2	0.003
7206D	3.897	99	0.002
7207D	4.110	104.4	0.005
7208D	4.055	103	0.004
7210D	4.055	103	0.005
7212D	3.866	98.2	0.003
7214D	3.740	95	0.004
7215D	3.866	98.2	0.003
7216D	3.897	99	0.002
7217D	4.110	104.4	0.005
7218D	4.055	103	0.004
7220D	4.055	103	0.005
7222D	3.866	98.2	0.003

NOTES