





2	 Loading...	SKU: 1301(1)-VM0-305 (80mm) RING SET, PISTON (STD) (Honda Motorcycle Code 2265551)	\$36.93	<a href="#">Add to Cart</a>
2	 Loading...	SKU: 1301(2)-VM0-305 (80.25mm) RING SET, PISTON (OS 0.25) (Honda Motorcycle Code 2265569)	\$38.33	<a href="#">Add to Cart</a>
2		SKU: 1301(2)-VM0-681 (78.75 mm) RING SET, PISTON (OS 0.25) (Honda Motorcycle Code 2574432) (NOT AVAILABLE)	\$38.33	<a href="#">Add to Cart</a>
2	 Loading...	SKU: 1301(3)-VM0-305 (80.5 mm) RING SET, PISTON (OS 0.50) (Honda Motorcycle Code 2265577)	\$39.16	<a href="#">Add to Cart</a>
2		SKU: 1301(3)-VM0-681 (79 mm) RING SET, PISTON (OS 0.50) (Honda Motorcycle Code 2574440) (NOT AVAILABLE)	\$39.16	<a href="#">Add to Cart</a>
3		SKU: 0613(1)-VM0-305 (78.5 mm) PISTON KIT D (Honda Motorcycle Code 2456440) (NOT AVAILABLE)	\$80.65	<a href="#">Add to Cart</a>
3	 Loading...	SKU: 1310(1)-VM0-772 (80mm) PISTON (Honda Motorcycle Code 2456457)	\$80.65	<a href="#">Add to Cart</a>
3		SKU: 1310(2)-VM0-315 (78.75mm) PISTON (OS 0.25) (Honda Motorcycle Code 2490274)	\$97.09	<a href="#">Add to Cart</a>
3		SKU: 1310(3)-VM0-315 (79 mm) PISTON (OS 0.50) (Honda Motorcycle Code 2490282) (NOT AVAILABLE)		

#### Which piston and piston ring oversize should I use?

Here is some important info on how to determine which piston oversize one should order.

With the piston ring one has to look at the **4th** position in the partnumber. The value of the 4th position refers to the following oversizes:

- (1) => std.
- (2) => 0.25
- (3) => 0.50
- (4) => 0.75
- (5) => 1.00

Consider this ( fictional) partnumber: 123**2**56789012345. With this example the 4th position is **2**, meaning on oversize of **0.25**

For pistons, the **5th** position in the partnumber refers to the same oversize table.

#### What is the logic behind Honda Partnumbers?

Part Numbers are assigned to an item based on the item's function. The numbers and letters that make up the Part Number are arranged according to a specific set of guidelines.

The format of a Part Number can vary depending on the item's general category.

XX	XXX	-	XXX	-	XXX	XX
Function Number	Component Number		Product Code		Classification Number	Special Number

SKU: 1301(1)-VM0-305 (80mm) RING SET, PISTON (STD)	Pre recall	
SKU: 1301(2)-VM0-305 (80.25mm) RING SET, PISTON (OS 0.25)	Pre Recall	
SKU: 1301(2)-VM0-681 (78.75 mm) RING SET, PISTON (OS 0.25)	POST RECALL	
SKU: 1301(3)-VM0-305 (80.5 mm) RING SET, PISTON (OS 0.50)	Pre recall	
SKU: 1301(3)-VM0-681 (79 mm) RING SET, PISTON (OS 0.50)	POST RECALL	
SKU: 0613(1)-VM0-305 (78.5 mm) PISTON KIT D	POST RECALL	flat top (ring kit 13011-VM0-681)
SKU: 1310(1)-VM0-772 (80mm) PISTON	Pre Recall	Dome top
SKU: 1310(2)-VM0-315 (78.75mm) PISTON (OS 0.25)	POST RECALL	flat top
SKU: 1310(3)-VM0-315 (79 mm) PISTON (OS 0.50)	POST RECALL	flat top

XX	XXX	-	XXX	-	XXX	XX
Function Number	Component Number		Product Code		Classification Number	Special Number

13= (Function) piston / crank assembly

011,012 and 013= (Component) Rings

101,102 and 103 = (Component) Piston

VM0= product code ( fl350)

Fifth digit = 1301(1) the (1)= std

(1) => std.

(2) => 0.25

(3) => 0.50

**PISTON KIT D (06131-VM0-305)**

**(replaces 13101-VM0-772)**

**PISTON (OS) (0.25) (13102-VM0-315)**

**(replaces 13102-VM0-305)**

**PISTON (OS) (0.50) (13103-VM0-315)**

**(replaces 13103-VM0-305)**

**RING SET, PISTON (130A1-VM0-005) = A cylinder std**

**RING SET, PISTON (13011-VM0-681)**

**(replaces 13011-VM0-305)**

**13011-VM0-681 (Post recall std ring set 80mm)**

# Honda Motorcycle Part Codes

All parts on a Honda motorcycle have a unique part number. Honda divides parts into two broad categories, General Parts and Standard Parts. General parts are those unique to Honda, such as valves, pistons, gas tank etc. Standard parts are parts that follow universal standards, such as nuts, bolts and such.

## General Parts

General parts have a part number divided into 3 sections, such as 22201-166-000 (clutch friction plate for the TL125).

\* The first string of digits (22201-XXX-XXX) indicates the Honda function and component number for this part. For example, there are several different part numbers for the TL clutch friction plate, all sharing function/component number 22201. Clutch steel plates have f/c code 22311, indicating same function but different component.

\* The second string of digits (XXXXXX-166-XXX) is the product code, also known as Parts Classification Number in hondaspeak. This is the number that indicates the product (motorcycle) where this particular part was first used. See below for a complete listing of older Honda product codes. 166 indicates that the TL clutch friction plates were first used in Honda MB5 motorcycle. Honda often lists several different part numbers for the same part, indicating slight differences in the part, such as different supplier etc. For example there are four different part numbers listed for the clutch friction plates.









All TL125 models (1973 K, 1974 K1, 1975 K2 and 1976 S) share the product code 355. All General parts having a different product code are "recycled" from other Honda models. Only parts with code 355 were originally designed for the TL125, but may have been used in later Honda models. The product code is probably the most interesting portion of the part number when trying to determine interchangeability of Honda parts between various models.

\* The third string of digits (XXXXXX-XXX-000) is the Classification Number. I believe it is mostly used to indicate various suppliers or improvements for the same part. Also any potential color code is tacked at the end of the classification number as digits (letters) 4 & 5.

Note that some pretty universal parts are still listed under General Parts number. For example most (all?) TL oil seals carry a general parts number. Luckily Honda parts fiche lists the actual dimensions for parts like this.

Hey rand I read it the other way Me being a backward kinda guy not sure. I read it as 618= 78mm series and 305= 80mm series. Usally honda last three get bigger its the newer stuff. Since the 80mm series is pre recall and 78.5 series is post recall. 13= crank piston assembly 01= ring 1= standard. 13 01 1= std ring, 13012 = .25 over and 13013= .50 over, VM0= ody and 305 is mfg code. 13 crank piston 10= piston 1= std 2=.25 over and 3=.50 over. Since the last three are larger I look at it as 305= 80,80.25 and 80.5 mm piston bores and 618 as 78.5,79 and 79.5mm piston rings. the 315 is larger than the 305 for the piston I read it as 305= 80mm bore range for the piston and 315= 78.5 bore range for the piston.

If you look at speeds post the 003 for the piston rings and ride red 005 ring post makes since or at least that how I inturpurted it.

13011VM0305 (13011-VM0-681) RING SET,PISTON (	€ 57.50			
Note: this part is <u>superseded</u> by 13011VM0681.				
2	Not Available  wishlist	13012VM0305 (13012-VM0-681) RING SET,PISTON (	€ 67.00	
		Note: this part is <u>superseded</u> by 13012VM0681.		
2	Not Available  wishlist	13012VM0681 RING SET,PS 0.25	€ 67.00	
2	Not Available  wishlist	13013VM0305 (13013-VM0-681) RING SET,PISTON (	€ 54.00	
		Note: this part is <u>superseded</u> by 13013VM0681.		
2	Not Available  wishlist	13013VM0681 RING SET,PS 0.50	€ 54.00	
3	Not Available  wishlist	06131VM0305 KIT,D	€ 116.50	
3	Not Available  wishlist	13101VM0772 (06131-VM0-305) PISTON COMP,(PROF	€ 116.50	
		Note: this part is <u>superseded</u> by 06131VM0305.		
3	Not Available  wishlist	13102VM0315 PISTON (0.25)	€ 103.00	
3	Not Available  wishlist	13103VM0315 PISTON (0.50)		



**1st Generation FL-350 Head (Straight Fins)**



**2nd Generation FL-350 Head (Curved Fins)**



Ride rides 78.5 .25 over pistons

13012-vmo-681

305 is superceeded 315 which is supperceeded by by 681

"H" posted

back in the tank one more time for more hone finially real close to where the bore is useable, the bore measures 3.102 or 78.80mm they make a 79mm piston?

Garlic gregs pics of rings



Jims 327 pics



Ride red piston .25 over 78.71mm and 78.75 pics



#### SPECIFICATIONS

ITEM	STANDARD	SERVICE LIMIT
		mm (in)
Cylinder head, cylinder warpage	—	0.05 (0.002)
Cylinder bore	78.500–78.515 (3.0905–3.0911)	78.555 (3.0927)
Piston O.D. (20 mm (0.8 in) from piston skirt bottom)	78.425–78.440 (3.0876–3.0882)	78.365 (3.0853)
Cylinder-to-piston clearance	0.06–0.095 (0.0023–0.0037)	0.16 (0.006)
Piston pin bore	18.007–18.013 (0.7089–0.7091)	18.033 (0.7100)
Piston pin O.D.	17.994–18.000 (0.7084–0.7087)	17.979 (0.7078)
Piston-to-piston pin clearance	0.007–0.019 (0.0003–0.0008)	0.03 (0.001)
Piston ring end gap (top/bottom)	0.2–0.4 (0.0008–0.0157)	→ 0.5 (0.02)
Connecting rod small end I.D.	21.997–22.009 (0.8660–0.8665)	22.024 (0.8671)

Bore on red ride 78.80, piston 78.75= .05mm piston to cylinder clearance book .06 to .095 mm