

# PARTS MANUAL



## **WHITEMAN** SERIES MODEL CA4HC WALK-BEHIND TROWEL (HONDA GX120 GASOLINE ENGINE)

Revision #6 (08/20/19)

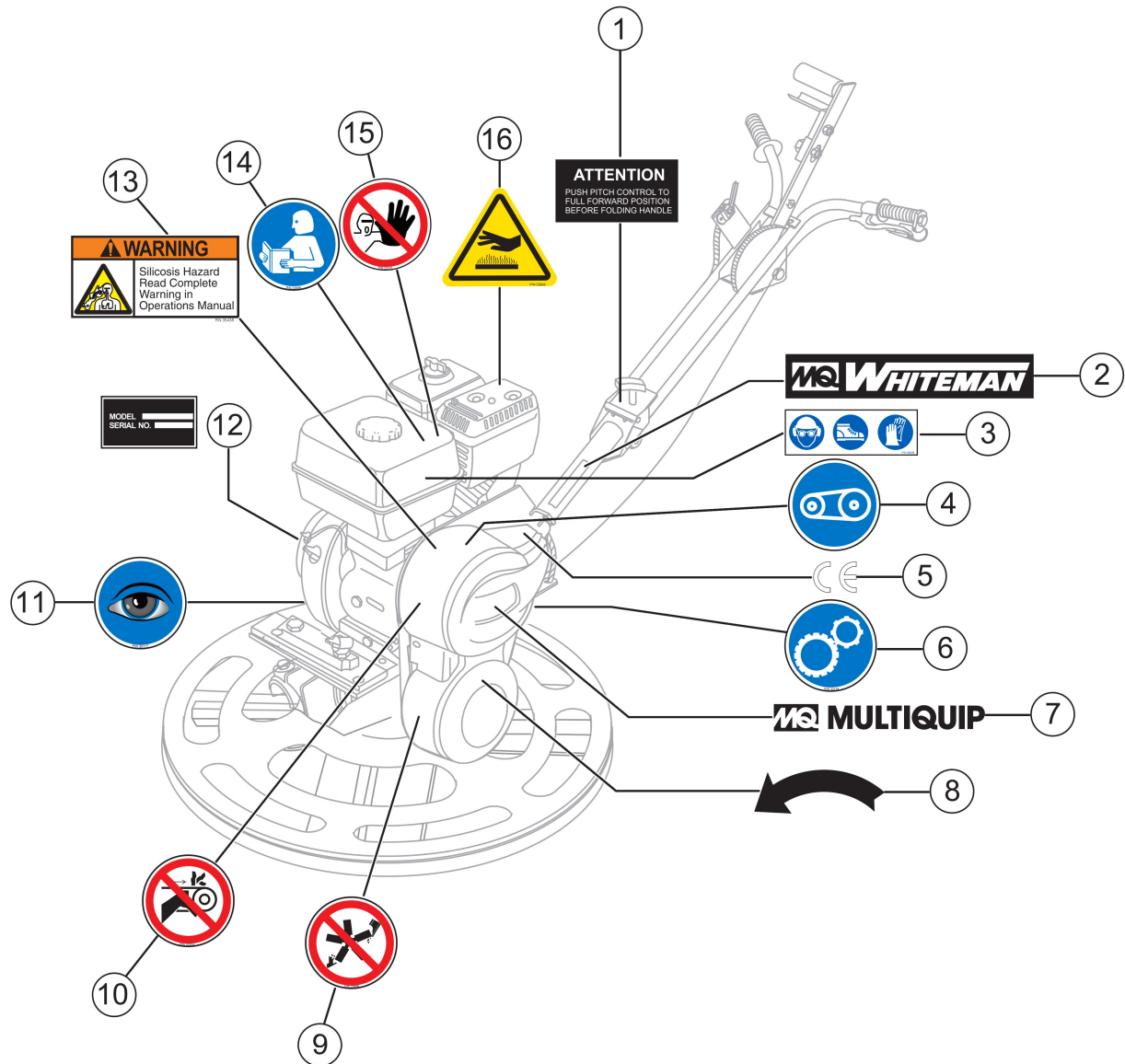
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THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

P/N 21769

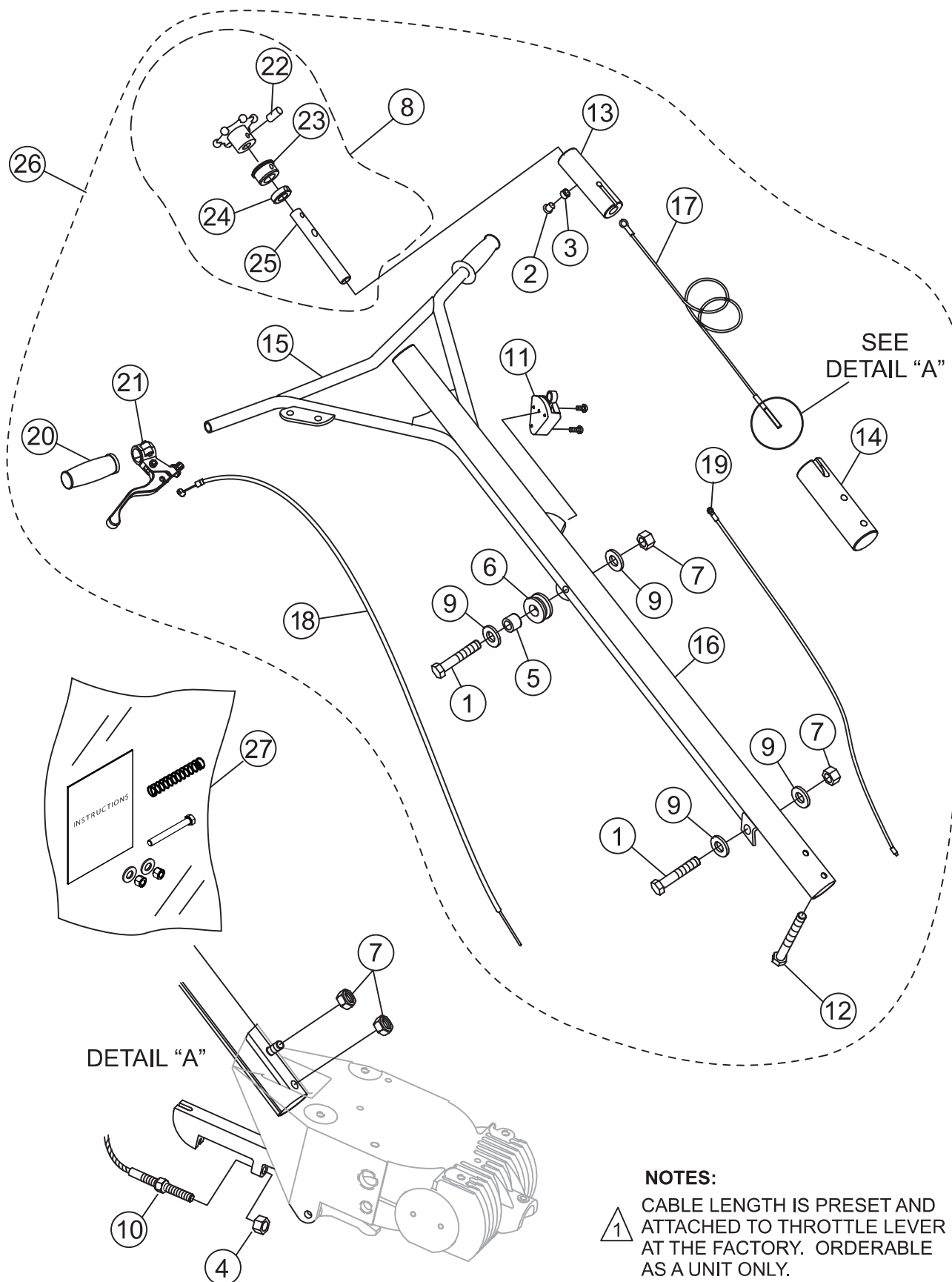
# NAMEPLATE AND DECALS



## NAMEPLATE AND DECALS

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                  | <u>QTY.</u> | <u>REMARKS</u>        |
|------------|-----------------|-----------------------------------|-------------|-----------------------|
| 1          | 10732           | DECAL: CAUTION PITCH HANDLE       | 1           |                       |
| 2          | 2942            | DECAL: MQ LOGO, WHITE 13"         | 1           |                       |
| 3          | 36099           | DECAL: PROTECTIVE CLOTHING        | 1           |                       |
| 4          | 32553           | ISO DECAL: BELT DRIVE, 1.00" DIA. | 1           |                       |
| 5          | 11092           | DECAL: CE                         | 1           |                       |
| 6          | 30118           | ISO DECAL: GEAR DRIVE, 2.00" DIA. | 1           |                       |
| 7          | 20816           | DECAL: MQ MULTQUIP                | 1           |                       |
| 8          | 25678           | ISO DECAL: COUNTER CLOCKWISE      | 1           |                       |
| 9          | 23698           | ISO DECAL: ROTATING BLADE HAZARD  | 1           |                       |
| 10         | 23704           | DECAL: WARNING, GUARDS            | 1           |                       |
| 11         | 30117           | ISO DECAL: EYE, INSPECTION        | 1           |                       |
| 12         |                 | NAME PLATE.....                   | 1           | .....CONTACT MULTQUIP |
|            |                 | .....                             |             | .....PARTS DEPARTMENT |
| 13         | 35438           | DECAL: WARNING, SILICOSIS HAZARD  | 1           |                       |
| 14         | 23699           | ISO DECAL: READ MANUAL            | 1           |                       |
| 15         | 23701           | ISO DECAL: ASK FOR TRAINING       | 1           |                       |
| 16         | 23808           | ISO DECAL: HOT SURFACE HAZARD     | 1           |                       |

# STANDARD HANDLE ASSY.



## NOTES:

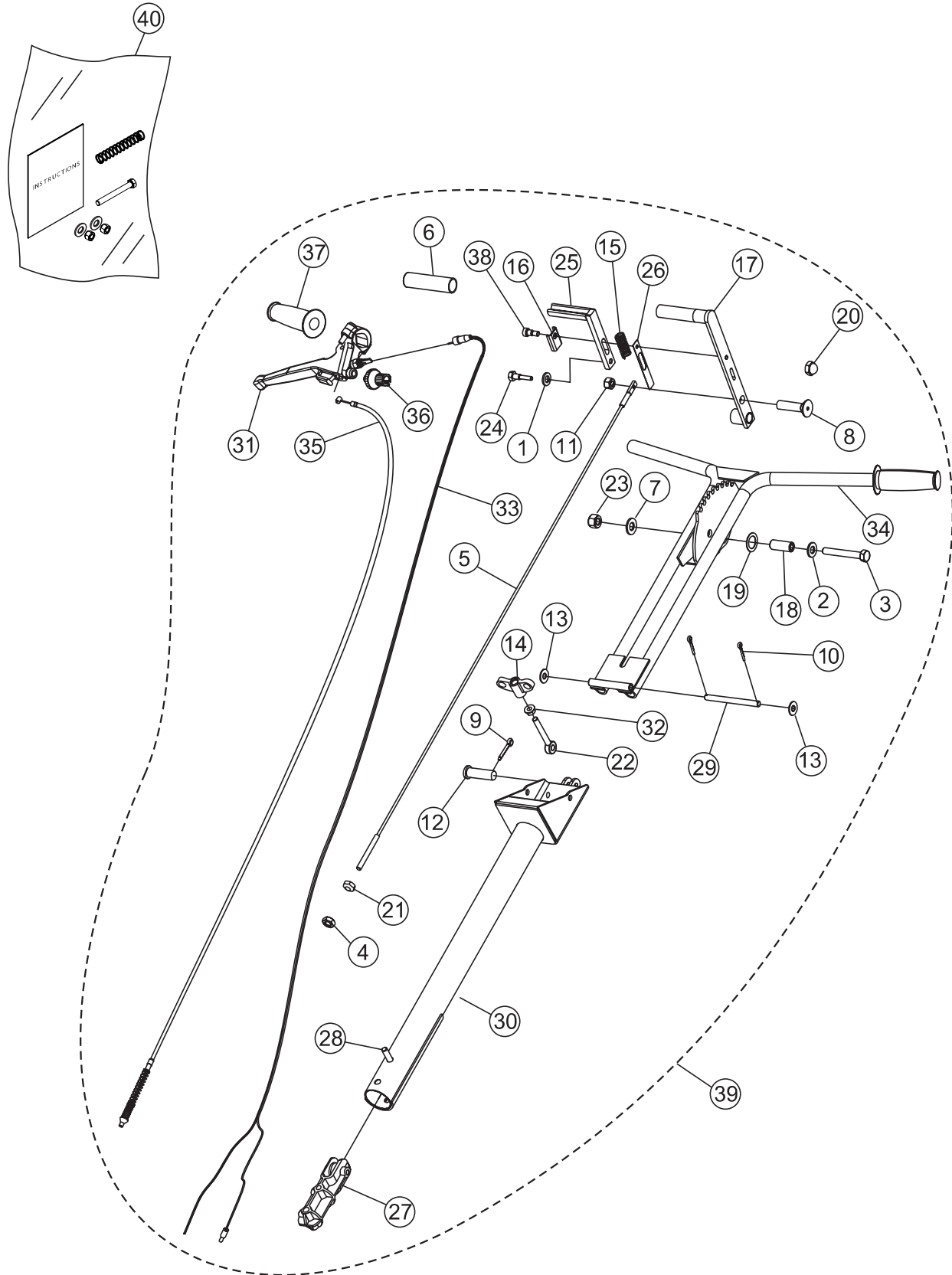
- 1 CABLE LENGTH IS PRESET AND ATTACHED TO THROTTLE LEVER AT THE FACTORY. ORDERABLE AS A UNIT ONLY.



## STANDARD HANDLE ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                               | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|------------------------------------------------|-------------|--------------------|
| 1@         | 0169            | SCREW, HHC 3/8-16 X 3                          | 2           |                    |
| 2@         | 0786            | SCREW, BHC 1/4-20 X 3/8 NYL PATCH ,NP          | 2           |                    |
| 3@         | 0786 A          | SPACER, SLIDE BLOCK GUIDE, .360 X 17/64 X 1/8L | 1           |                    |
| 4@         | 1116            | NUT, BRASS JAM 5/16-18                         | 1           |                    |
| 5@         | 1245            | BUSHING, GUARD RING                            | 1           |                    |
| 6@         | 1247            | GROMMET, 1/4 x .875 ID x 1-5/8 OD              | 1           |                    |
| 7@         | 10133           | NUT, NYLOC 3/8-16                              | 2           |                    |
| 8@         | 21279           | HAND WHEEL ASSEMBLY, PITCH CONTROL ...         | 1           | INCLUDES ITEMS W/* |
| 9@         | 10136           | WASHER, FLAT SAE 3/8                           | 4           |                    |
| 10@        | 10698           | NUT, 5/16-18 CONICAL                           | 1           |                    |
| 11@        | 20856           | SWITCH ASM., KILL                              | 1           |                    |
| 12@        | 21017           | SCREW, HHC 3/8-16 x 3.25 FULL THRD GR5         | 1           |                    |
| 13@        | 21249           | SLIDE BLOCK, TROWEL CONTROL                    | 1           |                    |
| 14@        | 21250           | BLOCK SUPPORT                                  | 1           |                    |
| 15@        | 21251-1         | HANDLE, ISO W/A, WHITEMAN FIN                  | 1           |                    |
| 16@        | 21254-1         | HANDLE, W/A, WHITEMAN FIN                      | 1           |                    |
| 17@        | 21718           | CABLE, CONTROL                                 | 1           |                    |
| 18@        | 21724           | CABLE ASSY., HANDLE THROTTLE                   | 1           |                    |
| 19@        | 21953           | HARNESS, PRESENCE SWITCH, 43.25"               | 1           |                    |
| 20@        | 22762           | GRIP, HANDLE, 0.875                            | 2           |                    |
| 21@        | 391512          | LEVER, HAND CLUTCH CONTROL, METAL              | 1           |                    |
| 22*@       | 1729            | PIN, ROLL 3/16 X 1-1/4                         | 1           |                    |
| 23*@       | 21248           | BEARING, TROWEL CONTROL                        | 1           |                    |
| 24*@       | 3615            | COLLAR, SET 3/4 ID                             | 1           |                    |
| 25*@       | 21282           | SHAFT, PITCH CONTROL                           | 1           |                    |
| 26         | 21711           | HANDLE ASM, STHAC.....                         | 1           | INCLUDES ITEMS W/@ |

## FOLDABLE QUICK-PITCH™ HANDLE ASSY.

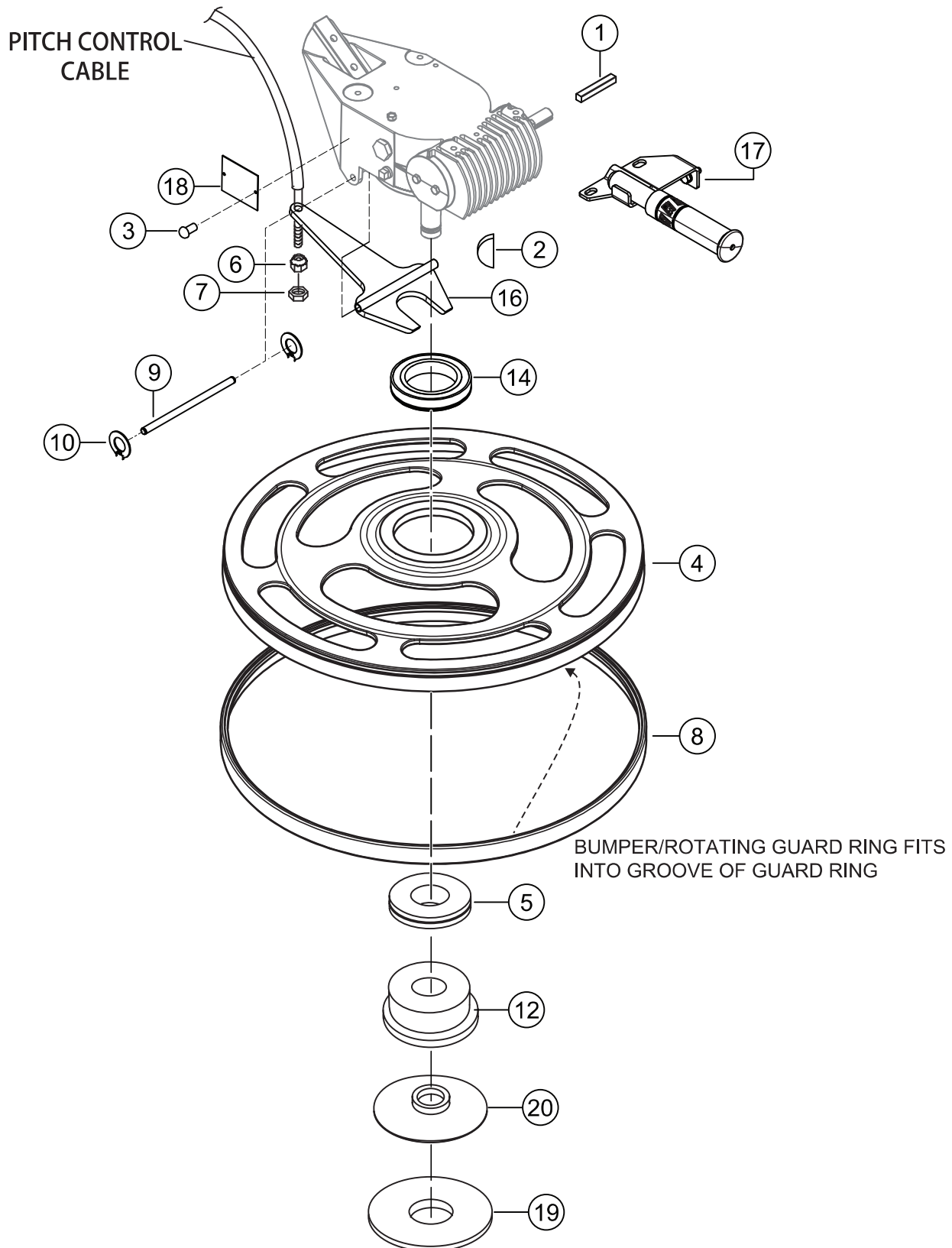


## FOLDABLE QUICK-PITCH™ HANDLE ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                          | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|-------------------------------------------|-------------|--------------------|
| 1*         | 0161 C          | WASHER, LOCK 5/16 MED.....                | 1           |                    |
| 2*         | 0300 B          | WASHER, FLAT SAE 5/16                     | 2           |                    |
| 3*         | 0669 A          | SCREW, HHC 5/16 - 18 X 2-1/4              | 1           |                    |
| 4*         | 1116            | NUT, BRASS JAM 5/16-18                    | 1           |                    |
| 5*         | 1714            | CABLE, PITCH CONTROL                      | 1           |                    |
| 6*         | 1724            | GRIP, HANDLE PITCH                        | 1           |                    |
| 7*         | 2942            | DECAL, MQ WHITEMAN 13" WHITE              | 1           |                    |
| 8*         | 3164            | SCREW, FHSC 1/4 - 20 X 1/2 NO PLATE       | 1           |                    |
| 9*         | 3216            | PIN, COTTER 1/8D X 1.00                   | 1           |                    |
| 10*        | 5117            | PIN, COTTER 1/16D X 1/2                   | 2           |                    |
| 11*        | 5283            | NUT, NYLOC 5/16-18                        | 2           |                    |
| 12*        | 5291            | PIN, CLEVIS 3/8 X 1-1/8                   | 1           |                    |
| 13*        | 10136           | WASHER, FLAT 3/8 SAE                      | 2           |                    |
| 14*        | 10651           | TEE HANDLE                                | 1           |                    |
| 15*        | 10654           | SPRING, LATCH RETURN                      | 1           |                    |
| 16*        | 10655           | COVER, SPRING                             | 1           |                    |
| 17*        | 10657           | CONTROL HANDLE                            | 1           |                    |
| 18*        | 10658           | TUBE, CONTROL HANDLE SUPPORT              | 1           |                    |
| 19*        | 10660           | SHIM, 1.125 O.D. X .75 I.D. X .031        | 1           |                    |
| 20*        | 10676           | NUT, ACORN 5/16 - 18                      | 1           |                    |
| 21*        | 10698           | NUT, 5/16 - 18 - CONICAL                  | 1           |                    |
| 22*        | 10701           | BOLT, SWING                               | 1           |                    |
| 23*        | 10732           | DECAL, FOLDING HANDLE                     | 1           |                    |
| 24*        | 10878           | BOLT, QP LATCHING                         | 1           |                    |
| 25*        | 10881           | LATCHING BAR                              | 1           |                    |
| 26*        | 11015           | STRIP, HANDLE SPACER                      | 1           |                    |
| 27*        | 20280           | BLOCK, PITCH CONTROL                      | 1           |                    |
| 28*        | 21017           | SCREW, HHC 3/8-16 X 3 1/4 FULL THRD GR 5  | 1           |                    |
| 29*        | 21758           | PIN, HINGE HANDLE                         | 1           |                    |
| 30*        | 21779           | HANDLE, LOWER                             | 1           |                    |
| 31*        | 21780           | THROTTLE, MAGURA MODEL 90 W/KILL SW       | 1           |                    |
| 32*        | 21781           | NUT, FLG'D HEX 3/8 - 16 PLTD              | 1           |                    |
| 33*        | 21785           | KILL SWITCH HARNESS, MAGURA MODEL 90      | 1           |                    |
| 34*        | 21788           | HANDLE, UPPER                             | 1           |                    |
| 35*        | 21823           | CABLE, MAGURA MODEL 90 CONTROL LEVER      | 1           |                    |
| 36*        | 21824           | ADJUSTER, W/THUMB WHEEL                   | 1           |                    |
| 37*        | 22762           | GRIP, HANDLE, 0.875                       | 2           |                    |
| 38*        | 3910382         | SCREW, SHDLR, 3/8D X 3/8L, 5/16-1 SCKT HD | 1           |                    |
| 39         | 21786           | FOLDABLE HANDLE ASSY, QPHAFC.....         | 1           | INCLUDES ITEMS W/* |

## BASIC UNIT ASSY.

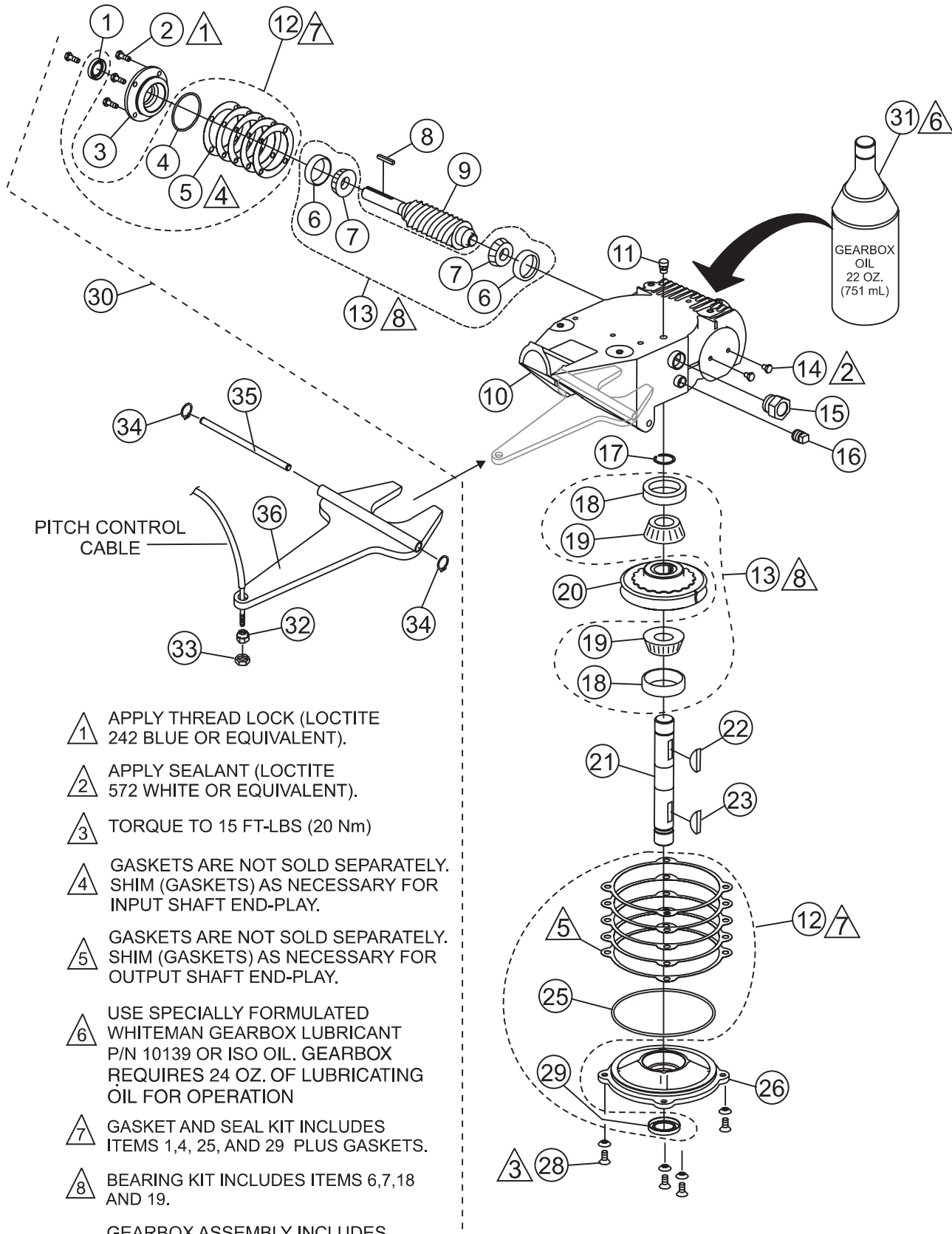
SEE QUICK PITCH  
HANDLE ASSY. ITEM 5.



**BASIC UNIT ASSY.**

| <b><u>NO.</u></b> | <b><u>PART NO.</u></b> | <b><u>PART NAME</u></b>                 | <b><u>QTY.</u></b> | <b><u>REMARKS</u></b>       |
|-------------------|------------------------|-----------------------------------------|--------------------|-----------------------------|
| 1                 | 0627                   | KEY, 3/16" X 1-1/4"                     | 1                  |                             |
| 2                 | 1139                   | KEY, WOODRUFF 1/4 X 1-1/4" (#21) HRDND  | 1                  |                             |
| 3                 | 4014                   | SCREW, 2-3/16" P-K TYPE U DRIVE         | 2                  |                             |
| 4                 | 21433                  | RING, ROTAING GUARD                     | 1                  |                             |
| 5                 | 10607                  | BEARING, THRUST 6207, SEALED BOTH SIDES | 1                  |                             |
| 6                 | 10698                  | NUT, ADJUSTING 5/16-18                  | 1                  |                             |
| 7                 | 1116                   | NUT, BRASS JAM 5/16-18                  | 1                  |                             |
| 8                 | 24304                  | BUMPER                                  | 1                  |                             |
| 9                 | 20801                  | PIN, YOKE                               | 1                  |                             |
| 10                | 20802                  | RING, SNAP, TRUARC 5100-37 or EQUAL JA  | 2                  |                             |
| 11                | 21433                  | RING, ROTATING GUARD                    | 1                  |                             |
| 12                | 21434                  | SLEEVE, PITCH                           | 1                  |                             |
| 14                | 21441                  | BEARING, 2.9375" I.D. 4.527" O.D.       | 1                  |                             |
| 15                | 24304                  | BUMPER, 24" ROTATING GUARD RING         | 1                  |                             |
| 16                | 21477                  | YOKE W/A, CA4                           | 1                  |                             |
| 17                | 22673                  | LIFT BRACKET ASM, CA4                   | 1                  |                             |
| 18                |                        | SERIAL PLATE .....                      | 1                  | .....CONTACT MQ PARTS DEPT. |
| 19                | 10639                  | WEAR PLATE                              | 1                  |                             |
| 20                | 10567                  | THRUST COLLAR                           | 1                  |                             |

# GEARBOX ASSY.

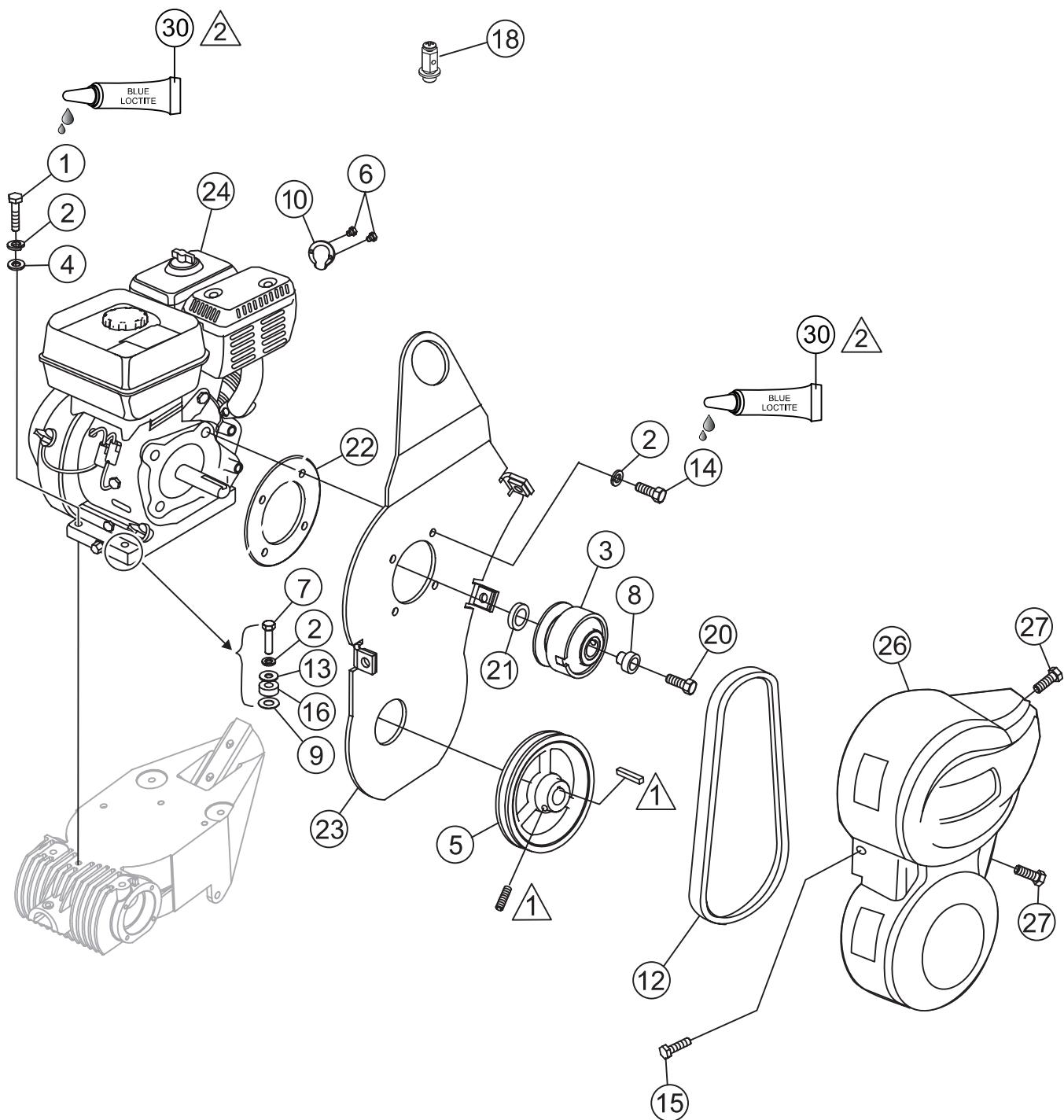


- △ 1 APPLY THREAD LOCK (LOCTITE 242 BLUE OR EQUIVALENT).
- △ 2 APPLY SEALANT (LOCTITE 572 WHITE OR EQUIVALENT).
- △ 3 TORQUE TO 15 FT-LBS (20 Nm)
- △ 4 GASKETS ARE NOT SOLD SEPARATELY. SHIM (GASKETS) AS NECESSARY FOR INPUT SHAFT END-PLAY.
- △ 5 GASKETS ARE NOT SOLD SEPARATELY. SHIM (GASKETS) AS NECESSARY FOR OUTPUT SHAFT END-PLAY.
- △ 6 USE SPECIALLY FORMULATED WHITEMAN GEARBOX LUBRICANT P/N 10139 OR ISO OIL. GEARBOX REQUIRES 24 OZ. OF LUBRICATING OIL FOR OPERATION
- △ 7 GASKET AND SEAL KIT INCLUDES ITEMS 1,4, 25, AND 29 PLUS GASKETS.
- △ 8 BEARING KIT INCLUDES ITEMS 6,7,18 AND 19.
- △ 9 GEARBOX ASSEMBLY INCLUDES ITEMS WITHIN DASHED LINE EXCEPT ITEMS 12,13 AND 31

## GEARBOX ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                            | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|---------------------------------------------|-------------|--------------------|
| 1%*        | 0753            | SEAL, OIL NATIONAL                          | 1           |                    |
| 2%         | 0131 A          | SCREW, HHC 1/4-20 X 3/4                     | 4           |                    |
| 3%         | 12876           | FLANGE, INPUT SHAFT                         | 1           |                    |
| 4%*        | 20395           | RING, O -2" BUNA N                          | 1           |                    |
| 6%#        | 20466           | BEARING, CUP, TIMKEN                        | 2           |                    |
| 7%#        | 20465           | BEARING, CONE, TIMKEN                       | 2           |                    |
| 8%         | 0627            | KEY, SQUARE 3/16 X 1 1/4                    | 1           |                    |
| 9%         | 1851            | GEAR, WORM & SHAFT ASSY.                    | 1           |                    |
| 10%        | 12874           | CASE, GEAR WORM MACHINED                    | 1           |                    |
| 11%        | 21218           | VENT, AIR                                   | 1           |                    |
| 12         | 21046           | GASKET/SEAL KIT.....                        | 1           | INCLUDES ITEMS W/* |
| 13         | 21047           | BEARING KIT .....                           | 1           | INCLUDES ITEMS W/# |
| 14%        | 20476           | SCREW, HHC 1/4-28 X 3/8                     | 2           |                    |
| 15%        | 21033           | SIGHT GLASS, 3/4 NPT STEEL-NO BALL          | 1           |                    |
| 16%        | 0121 A          | FITTING, PLUG 3/8 MP SQ HEAD                | 1           |                    |
| 17%        | 1138            | RING, SNAP, TRUARC 5100-112                 | 1           |                    |
| 18%#       | 20475           | BEARING, CUP TIMKEN                         | 2           |                    |
| 19%#       | 20474           | BEARING, CONE TIMKEN                        | 2           |                    |
| 20%        | 1140            | GEAR, WORM, COMPOSITE                       | 1           |                    |
| 21%        | 21435           | SHAFT, OUTPUT                               | 1           |                    |
| 22%        | 1139            | KEY, WOODRUFF #810 HARDENED                 | 1           |                    |
| 23%        | 1238            | KEY, WOODRUFF #25                           | 1           |                    |
| 26%        | 12875           | COVER, GEARBOX                              | 1           |                    |
| 25%        | 20396           | O-RING, 254 BUNA N                          | 1           |                    |
| 27%        | 10235           | WASHER, C/S EXT. SHKP                       | 4           |                    |
| 28%        | 20875           | SCREW, FHSC 5/16-18 X 3/4                   | 4           |                    |
| 29%*       | 0254            | SEAL, OIL, NATIONAL                         | 1           |                    |
| 30         | 21436           | GEARBOX ASSY. ....                          | 1           | INCLUDES ITEMS W/% |
| 31         | 20111           | LUBE, GEARBOX OIL ISO 680 22 OZ (650 ML)... | 2           | REQUIRES 20 OZ.    |
| 32         | 10698           | NUT, ADJUSTING 5/16-18                      | 1           |                    |
| 33         | 1116            | NUT, BRASS JAM 5/16-18                      | 1           |                    |
| 34         | 20802           | SNAP RING                                   | 2           |                    |
| 35         | 20801           | YOKE PIN                                    | 1           |                    |
| 36         | 21477           | YOKE                                        | 1           |                    |

# HONDA 4 HP ENGINE ASSY.



## NOTES:

△ 1 COMES WITH PULLEY.

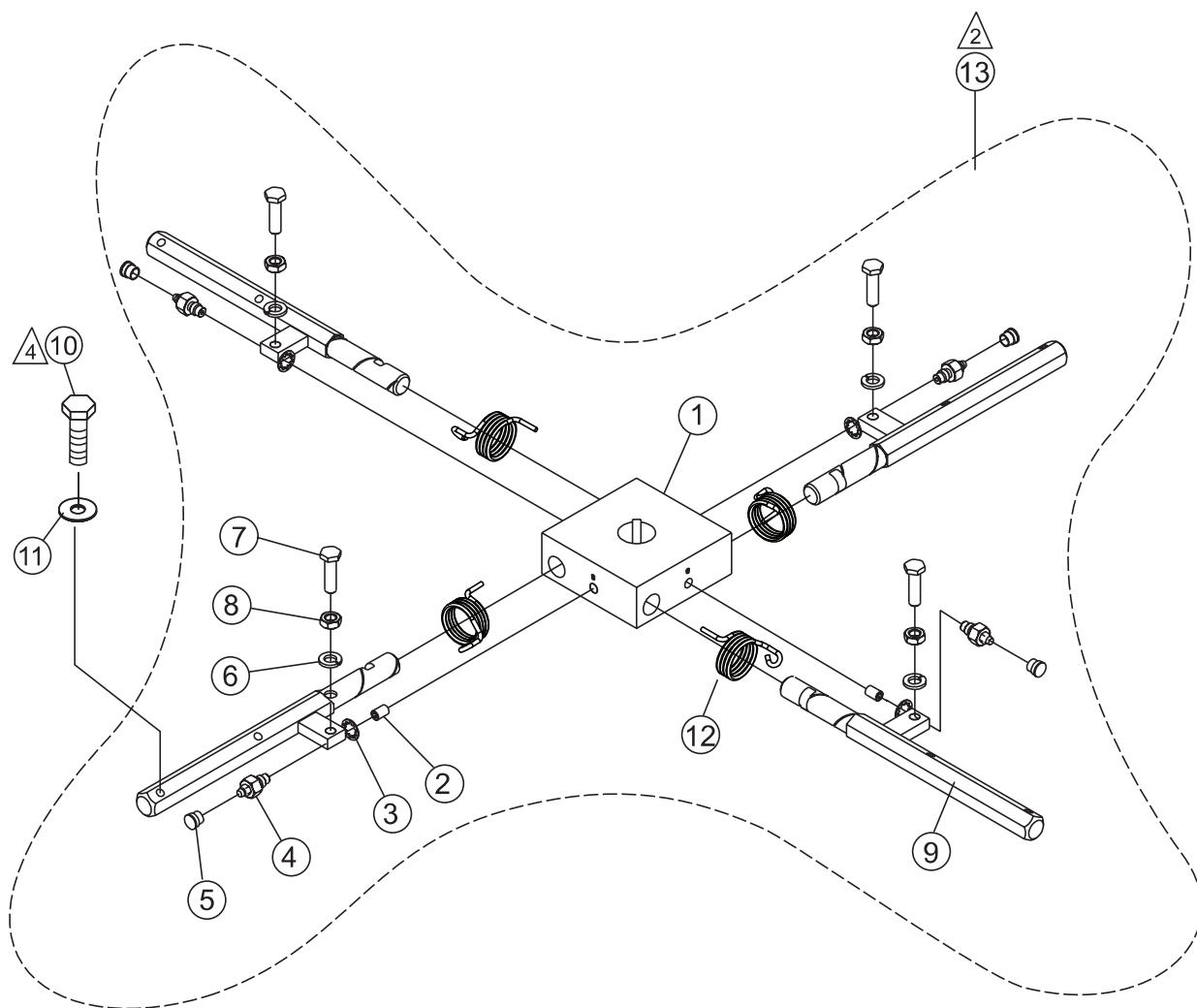
△ 2 APPLY BLUE LOCTITE# 246.



## HONDA 4 HP ENGINE ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                           | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|--------------------------------------------|-------------|----------------|
| 1          | 0105            | SCREW, HHC 5/16- 18 X 1-1/2                | 3           |                |
| 2          | 0161 C          | LOCK WASHER 5/16                           | 7           |                |
| 3          | 0255            | CLUTCH ASSEMBLY                            | 1           |                |
| 4          | 0300 B          | FLAT WASHER 5/16                           | 3           |                |
| 5          | 0740            | PULLEY AK-51 X 3/4                         | 1           |                |
| 6          | 1273            | SCREW, HHST 3- 32 X 3/8                    | 2           |                |
| 7          | 1284            | SCREW, HHC 3/8 -16 X 1-1/2                 | 1           |                |
| 8          | 1406            | END PLUG, CLUTCH                           | 1           |                |
| 9          | 1733            | WASHER, 1/2 X 1/32                         | 1           |                |
| 10         | 1834            | DEFLECTOR, HONDA EXHAUST                   | 1           |                |
| 11         | 1848            | DECAL, BELT GUARD                          | 1           |                |
| 12         | 2343-1          | V-BELT, A-25                               | 1           |                |
| 13         | 10136           | FLAT WASHER 3/8                            | 1           |                |
| 14         | 10229           | SCREW, HHC 5/16-24 X 1"                    | 4           |                |
| 15         | 11092           | DECAL, CE                                  | 1           |                |
| 16         | 13351           | WASHER, FLAT 3/8 EXT THICK HIGH STRGTH     | 1           |                |
| 17         | 20816           | DECAL, GUARD RING MQ MULTQUIP              | 1           |                |
| 18         | 20845           | SWIVEL, ASSM THROTTLE CABLE                | 1           |                |
| 19         | 21302           | LABEL - CAUTION                            | 1           |                |
| 20         | 21678           | SCREW, FHSC 5/16 - 24 X 1-3/4              | 1           |                |
| 21         | 21679           | SPACER, 1" X .78 X 69L                     | 1           |                |
| 22         | 21915           | SPACER, C M & J LIFTING BALE               | 1           |                |
| 23         | 21927           | BRACKET, W/LIFTING BALE ASSEMBLY           | 1           |                |
| 24         | 22900           | ENGINE, HONDA GX120 TIER 3 (3.5 HP)        | 1           |                |
| 25         | 23700           | ISO DECAL, LIFTING/CRUSH HAZARD            | 1           |                |
| 26         | 30102-001       | BELT GUARD, TROWEL                         | 1           |                |
| 27         | 30119           | SCREW, 1/4-20X7/8 IND HEX, DOG PT          | 3           |                |
| 28         | 35168           | DECAL, ROTATING BLADE HAZARD 2.00" X 4.30" | 1           |                |
| 29         | 60128           | OIL, 10W-30, DELO 400 LE                   | 1           |                |

## SPIDER ASSY.



### NOTES:

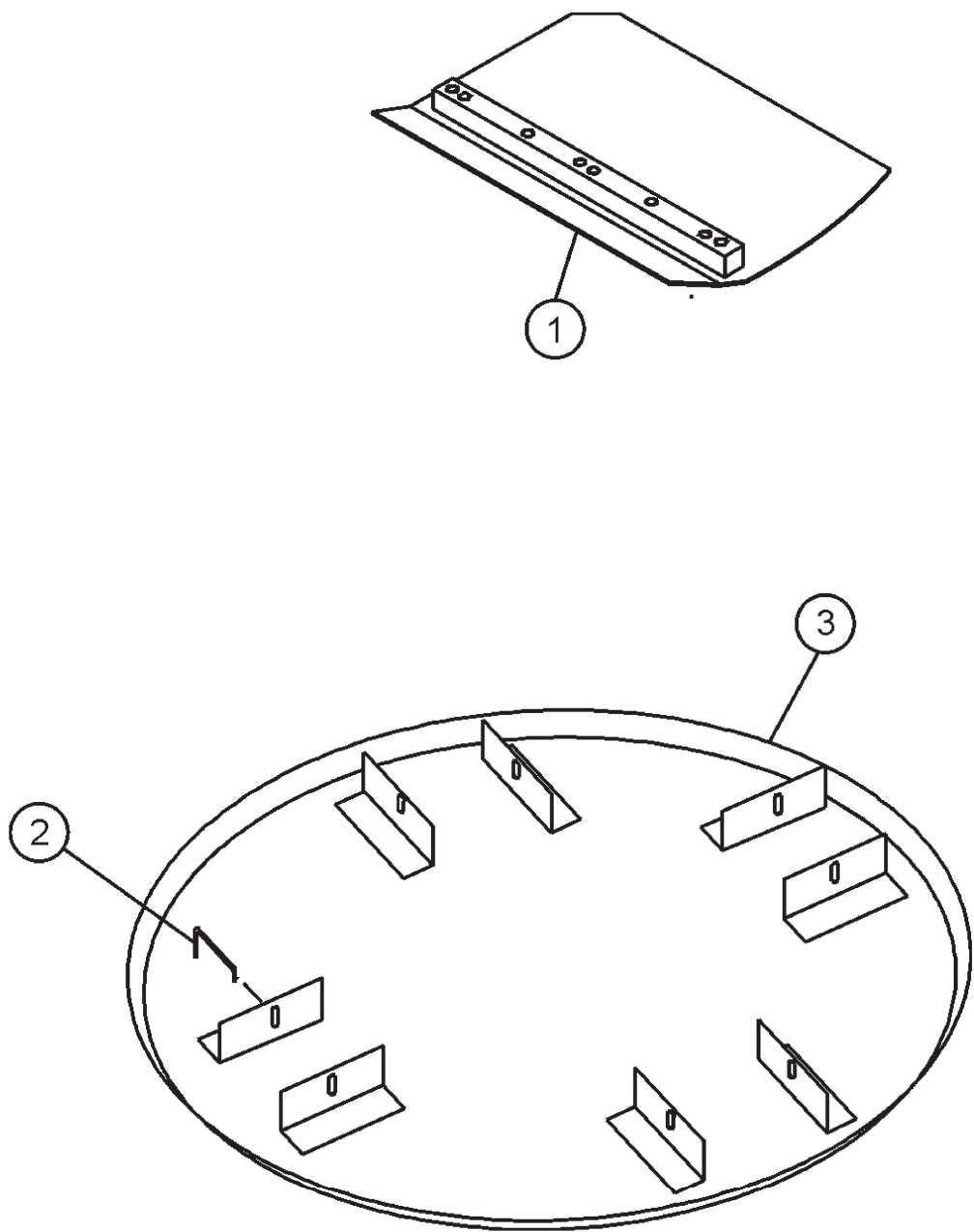
- ① APPLY LOCTITE P/N 1477 TO ITEMS 1.
- ② SPIDER ASSEMBLY P/N 11860  
INCLUDES ALL ITEMS WITHIN OUTLINE.
- ③ INCLUDED WITH ITEM 15 OR CAN BE  
ORDERED SEPARATELY (P/N 1471)
- ④ TORQUE TO 130 FT.-LBS (176 Nm)

## SPIDER ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                   | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|------------------------------------|-------------|--------------------|
| 1          | 10563           | SPIDER PLATE, 1-1/8 SHAFT 4BLD CA4 | 1           |                    |
| 2          | 11299           | SCREW, SHS 5/16-18 X 9/16 CONE PT  | 2           |                    |
| 3          | 1875            | WASHER, INT. SHKP, 3/8             | 4           |                    |
| 4          | 10587           | ARM RETAINING ASSY, SHORT          | 4           |                    |
| 5          | 1162 A          | CAP, GREASE ZERK #2 YELLOW         | 4           |                    |
| 6          | 0166 A          | WASHER, LOCK, 3/8 MED.             | 4           |                    |
| 7          | 0164 B          | SCREW,TROWEL ADJUSTMENT 3/8-16     | 4           |                    |
| 8          | 1876            | NUT, HEX JAM 3/8-16 CLASS 2B       | 4           |                    |
| 9          | 10768           | ARM, TROWEL W/A                    | 4           |                    |
| 10         | 10790           | SCREW, HHC M6- 1 X 30MM            | 8           |                    |
| 11         | 0181 B          | LOCK WASHER 1/4"                   | 8           |                    |
| 12         | 30148           | SPRING, TROWEL ARM CA4             | 4           |                    |
| 13         | 11860           | SPIDER ASM.....                    | 1.....      | INCLUDES ITEMS W/* |

# BLADES AND PAN ASSY.

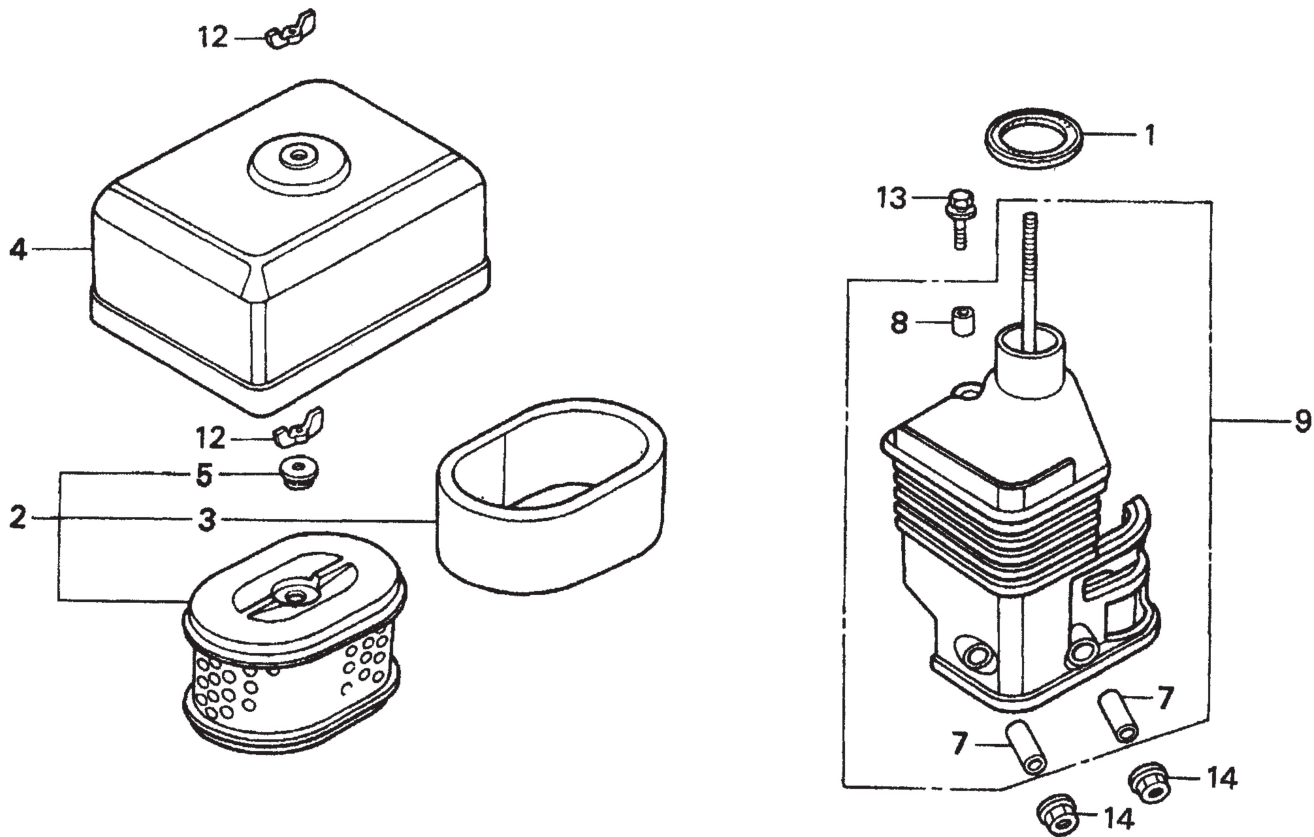
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## BLADES AND PAN ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                 | <u>QTY.</u> | <u>REMARKS</u>                                   |
|------------|-----------------|----------------------------------|-------------|--------------------------------------------------|
| 1          |                 | COMBO FLOAT & FINISH BLADE ..... | 4.....      | CONTACT UNIT SALES DEPT./<br>.....ACCESSORY ITEM |
| 2          |                 | FLOAT DISC LATCH PIN .....       | 4.....      | CONTACT UNIT SALES DEPT./<br>.....ACCESSORY ITEM |
| 3          |                 | FLOAT DISC .....                 | 1.....      | CONTACT UNIT SALES DEPT./<br>.....ACCESSORY ITEM |

**HONDA GX120UTQX2 ENGINE — AIR CLEANER (DUAL) ASSY.**

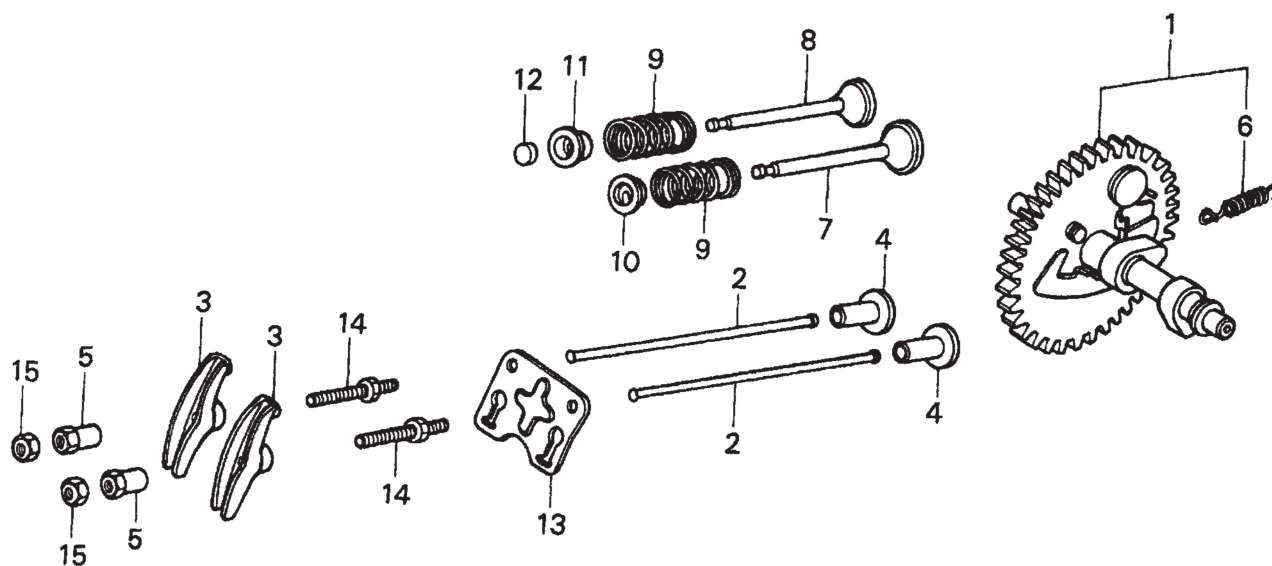


## HONDA GX120UTQX2 ENGINE — AIR CLEANER (DUAL) ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                 | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|----------------------------------|-------------|--------------------|
| 1          | 16271ZE1000     | GASKET, ELBOW                    | 1           |                    |
| 2          | 17210ZE0505     | ELEMENT, AIR CLEANER (DUAL)..... | 1.....      | INCLUDES ITEMS W/* |
| 3*         | 17218ZE0505     | FILTER, OUTER                    | 1           |                    |
| 4          | 17230ZE0820     | COVER, AIR CLEANER (DUAL)        | 1           |                    |
| 5*         | 17232891000     | GROMMET, AIR CLEANER             | 1           |                    |
| 7#         | 17238ZE0010     | COLLAR, AIR CLEANER              | 2           |                    |
| 8#         | 17239ZE1000     | COLLAR B, AIR CLEANER            | 1           |                    |
| 9          | 17410ZE0030     | ELBOW, AIR CLEANER .....         | 1.....      | INCLUDES ITEMS W/# |
| 12         | 90325044000     | WINGNUT, TOOL BOX SETTING        | 2           |                    |
| 13         | 957010602000    | BOLT, FLANGE 6X20                | 1           |                    |
| 14         | 9405006000      | NUT, FLANGE 6MM                  | 2           |                    |

## HONDA GX120UTQX2 ENGINE — CAMSHAFT ASSY.

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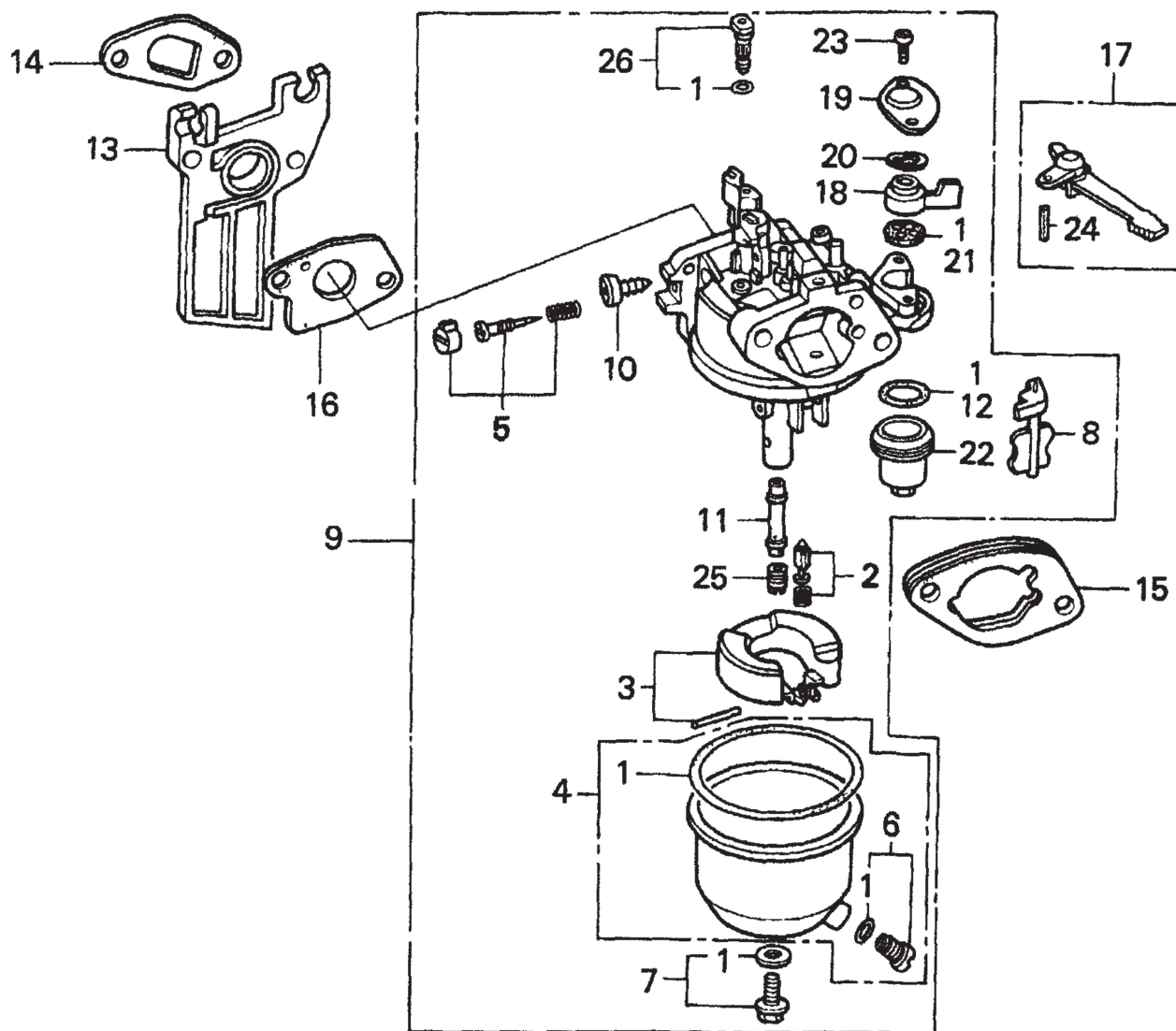




## HONDA GX120UTQX2 ENGINE — CAMSHAFT ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>           | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|----------------------------|-------------|--------------------|
| 1          | 14100ZE0812     | CAMSHAFT ASSEMBLY .....    | 1           | INCLUDES ITEMS W/* |
| 2          | 14410ZE0010     | ROD, PUSH                  | 2           |                    |
| 3          | 14431ZE1000     | ARM, VALVE ROCKER          | 2           |                    |
| 4          | 14441ZE1010     | LIFTER, VALVE              | 2           |                    |
| 5          | 14451ZE1013     | PIVOT, ROCKER ARM          | 2           |                    |
| 6*         | 14568ZE1000     | SPRING, WEIGHT RETURN      | 1           |                    |
| 7          | 14711ZF0010     | VALVE, IN.                 | 1           |                    |
| 8          | 14721ZH7810     | VALVE, EX. (HAUST)         | 1           |                    |
| 9          | 14751ZF1000     | SPRING, VALVE              | 2           |                    |
| 10         | 14771ZE1000     | RETAINER, IN. VALVE SPRING | 1           |                    |
| 11         | 14773ZE1000     | RETAINER, EX. VALVE SPRING | 1           |                    |
| 12         | 14781ZE1000     | ROTATOR, VALVE             | 1           |                    |
| 13         | 14791ZE0010     | PLATE, PUSH ROD GUIDE      | 1           |                    |
| 14         | 90012ZE0010     | BOLT, PIVOT 8MM            | 2           |                    |
| 15         | 90206ZE1000     | NUT, PIVOT ADJ.            | 2           |                    |

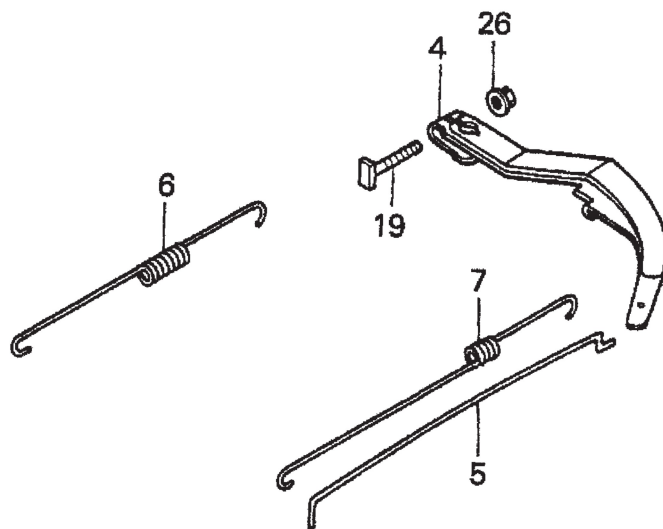
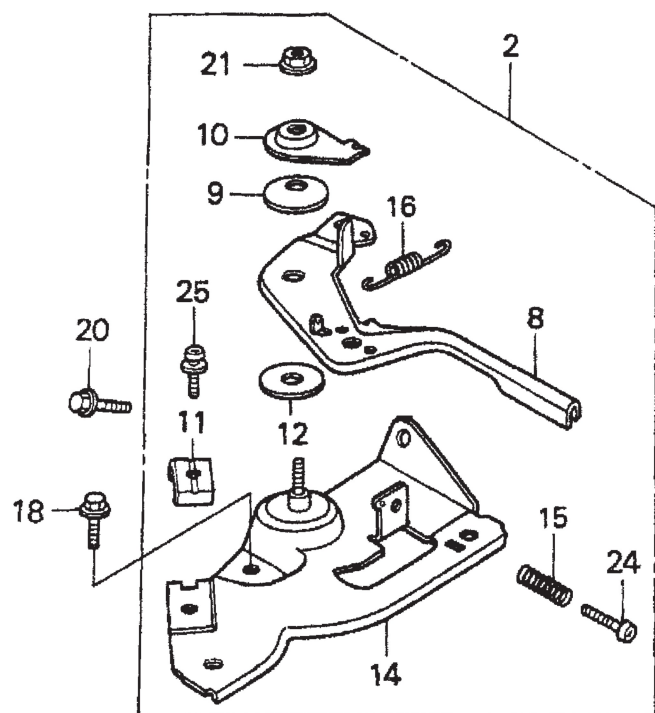
## HONDA GX120UTQX2 ENGINE — CARBURETOR ASSY.



## HONDA GX120UTQX2 ENGINE — CARBURETOR ASSY.

| <b>NO.</b> | <b>PART NO.</b> | <b>PART NAME</b>                 | <b>QTY.</b> | <b>REMARKS</b>     |
|------------|-----------------|----------------------------------|-------------|--------------------|
| 1*         | 16010ZE1812     | GASKET SET                       | 1           |                    |
| 2*         | 16011ZE0005     | VALVE SET, FLOAT                 | 1           |                    |
| 3*         | 16013ZE0005     | FLOAT SET                        | 1           |                    |
| 4*         | 16015ZE1811     | CHAMBER SET, FLOAT               | 1           |                    |
| 5*         | 16016ZH7W01     | SCREW SET                        | 1           |                    |
| 6*         | 16024ZE1811     | SCREW SET, DRAIN                 | 1           |                    |
| 7*         | 16028ZE0005     | SCREW SET B                      | 1           |                    |
| 8*         | 16044ZE0005     | CHOKE SET                        | 1           |                    |
| 9          | 16100ZH8W51     | CARBURETOR ASSY. (BE65B B) ..... | 1           | INCLUDES ITEMS W/* |
| 10*        | 16124ZE0005     | SCREW, THROTTLE STOP             | 1           |                    |
| 11*        | 16166ZH7W50     | NOZZLE, MAIN                     | 1           |                    |
| 12*        | 16173001004     | O-RING                           | 1           |                    |
| 13         | 16211ZE1000     | INSULATOR, CARBURETOR            | 1           |                    |
| 14         | 16212ZH7800     | GASKET, INSULATOR                | 1           |                    |
| 15         | 16220ZE1020     | SPACER, CARBURETOR               | 1           |                    |
| 16         | 16221ZH8801     | GASKET, CARBURETOR               | 1           |                    |
| 17         | 16610ZE1000     | LEVER, CHOKE (STD) .....         | 1           | INCLUDES ITEMS W/# |
| 18*        | 16953ZE1812     | LEVER, VALVE                     | 1           |                    |
| 19*        | 16954ZE1811     | PLATE, LEVER SETTING             | 1           |                    |
| 20*        | 16956ZE1811     | SPRING, VALVE LEVER              | 1           |                    |
| 21*        | 16957ZE1812     | GASKET, VALVE                    | 1           |                    |
| 22*        | 16967ZE0811     | CUP, FUEL STRAINER               | 1           |                    |
| 23*        | 93500030080G    | SCREW, PAN (3 X 6)               | 2           |                    |
| 24#        | 9430520122      | PIN, SPRING (2 X 12)             | 1           |                    |
| 25         | 99101ZH80550    | JET, MAIN (#55) OPTIONAL         | 1           |                    |
| 25         | 99101ZH80580    | JET, MAIN (#58) OPTIONAL         | 1           |                    |
| 25*        | 99101ZH80600    | JET, MAIN (#60)                  | 1           |                    |
| 26*        | 99204ZE00350    | JET, SET, PILOT (#35)            | 1           |                    |

## HONDA GX120UTQX2 ENGINE — CONTROL ASSY.

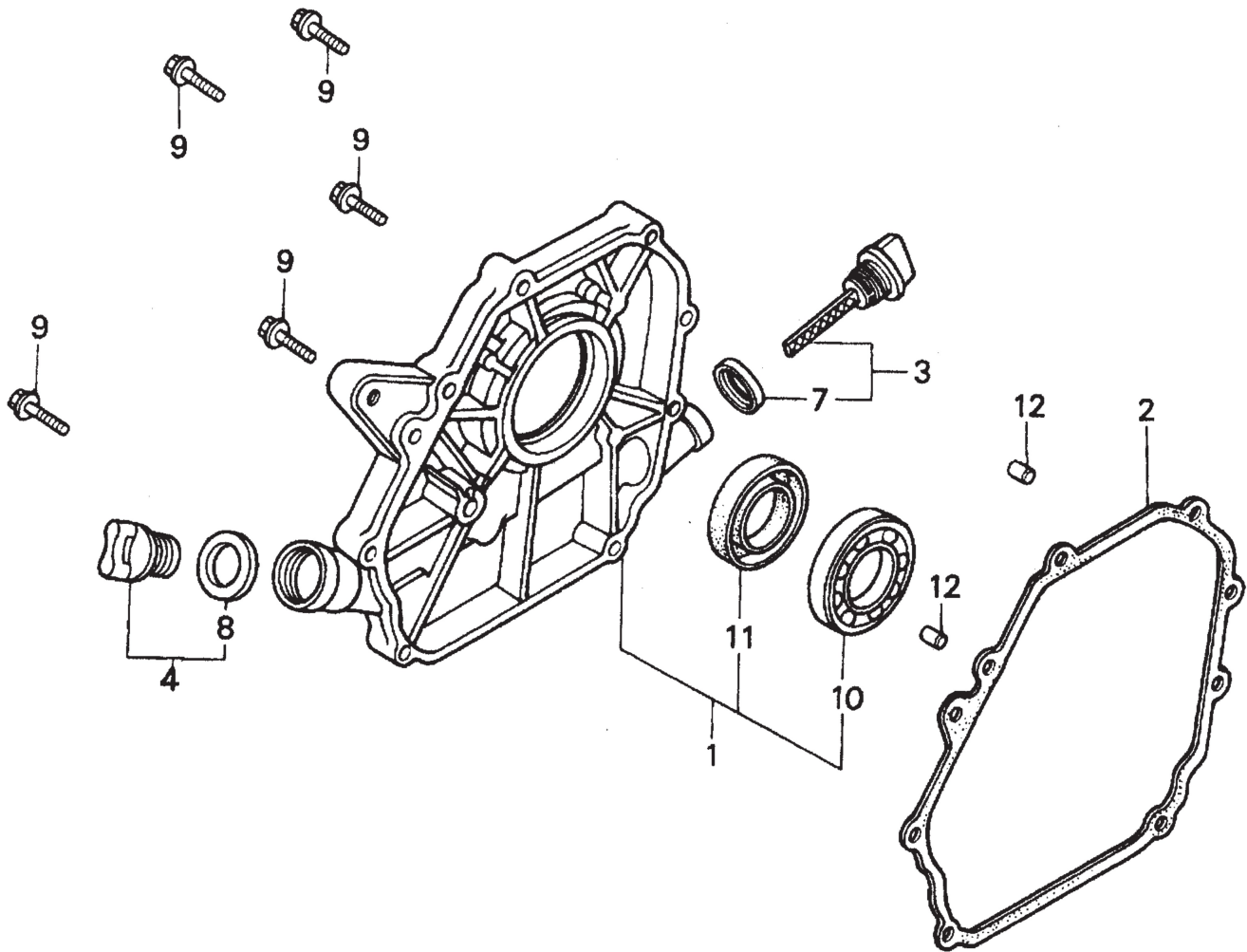


## HONDA GX120UTQX2 ENGINE — CONTROL ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>          | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|---------------------------|-------------|--------------------|
| 2          | 16500ZH7820     | CONTROL ASSEMBLY .....    | 1.....      | INCLUDES ITEMS W/* |
| 4          | 16551ZE0010     | ARM, GOVERNOR             | 1           |                    |
| 5          | 16555ZE0000     | ROD, GOVERNOR             | 1           |                    |
| 6          | 16561ZE0020     | SPRING, GOVERNOR          | 1           |                    |
| 7          | 16562ZE0020     | SPRING, THROTTLE RETURN   | 1           |                    |
| 8*         | 16571ZH7000     | LEVER, CONTROL            | 1           |                    |
| 9*         | 16574ZE1000     | SPRING, LEVER             | 1           |                    |
| 10*        | 16575ZH8000     | WASHER, CONTROL LEVER     | 1           |                    |
| 11*        | 16576891000     | HOLDER, CABLE             | 1           |                    |
| 12*        | 16578ZE1000     | SPACER, CONTROL LEVER     | 1           |                    |
| 14*        | 16580ZH7810     | BASE, CONTROL             | 1           |                    |
| 15*        | 16584883300     | SPRING, CONTROL ADJUSTING | 1           |                    |
| 16*        | 16592ZE1810     | SPRING, CABLE RETURN      | 1           |                    |
| 18         | 90013883000     | BOLT, FLANGE 6X12 (CT200) | 1           |                    |
| 19         | 90015ZE5010     | BOLT, GOVERNOR ARM        | 1           |                    |
| 20         | 90022888010     | BOLT, FLANGE 6X20 (CT200) | 1           |                    |
| 21*        | 90114SA0000     | NUT, SELF- LOCK 6MM       | 1           |                    |
| 24*        | 93500050250H    | SCREW, PAN 5X25           | 1           |                    |
| 25*        | 93500050160A    | SCREW-WASHER (5X16)       | 1           |                    |
| 26         | 9405006000      | NUT, FLANGE 6MM           | 1           |                    |

## HONDA GX120UTQX2 ENGINE — CRANKCASE COVER ASSY.

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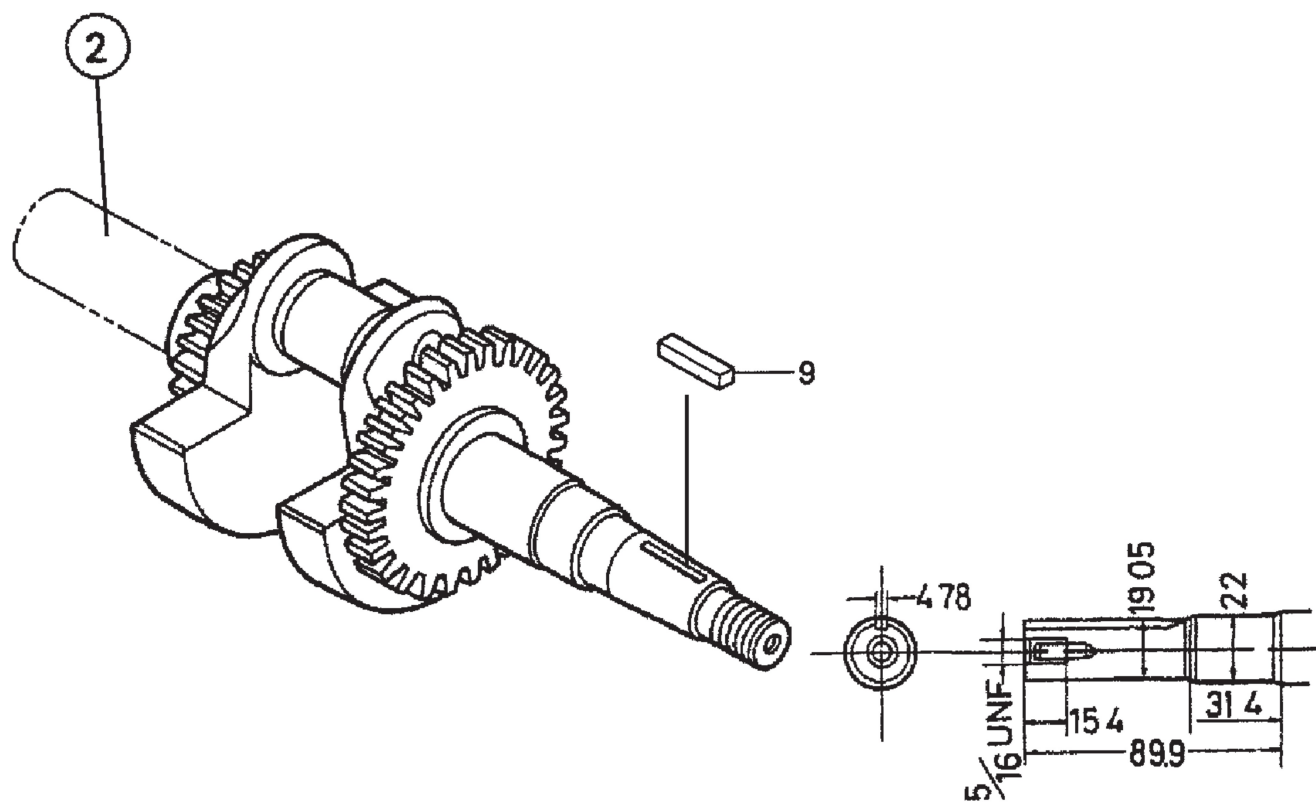


## HONDA GX120UTQX2 ENGINE — CRANKCASE COVER ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                      | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|---------------------------------------|-------------|--------------------|
| 1          | 11300ZE0640     | COVER ASSEMBLY, CRANKCASE (U-TYPE)... | 1           | INCLUDES ITEMS W/% |
| 2          | 11381ZH7800     | GASKET, CASE COVER                    | 1           |                    |
| 3          | 15600ZE1003     | CAP ASSEMBLY, OIL FILLER .....        | 1           | INCLUDES ITEMS W/# |
| 4          | 15600ZG4003     | CAP ASSEMBLY, OIL FILLER .....        | 1           | INCLUDES ITEMS W/* |
| 7#         | 15625ZE1003     | GASKET, OIL FILLER CAP                | 1           |                    |
| 8*         | 15625ZE1003     | GASKET, OIL FILLER CAP                | 1           |                    |
| 9          | 90015883000     | BOLT, FLANGE 6X28                     | 7           |                    |
| 10%        | 91001878003     | BEARING, RADIAL BALL                  | 1           |                    |
| 11%        | 91203ZE0003     | OIL SEAL 22X41X6                      | 1           |                    |
| 12         | 9430108140      | PIN A, DOWEL 8X14                     | 2           |                    |

## HONDA GX120UTQX2 ENGINE — CRANKSHAFT ASSY.

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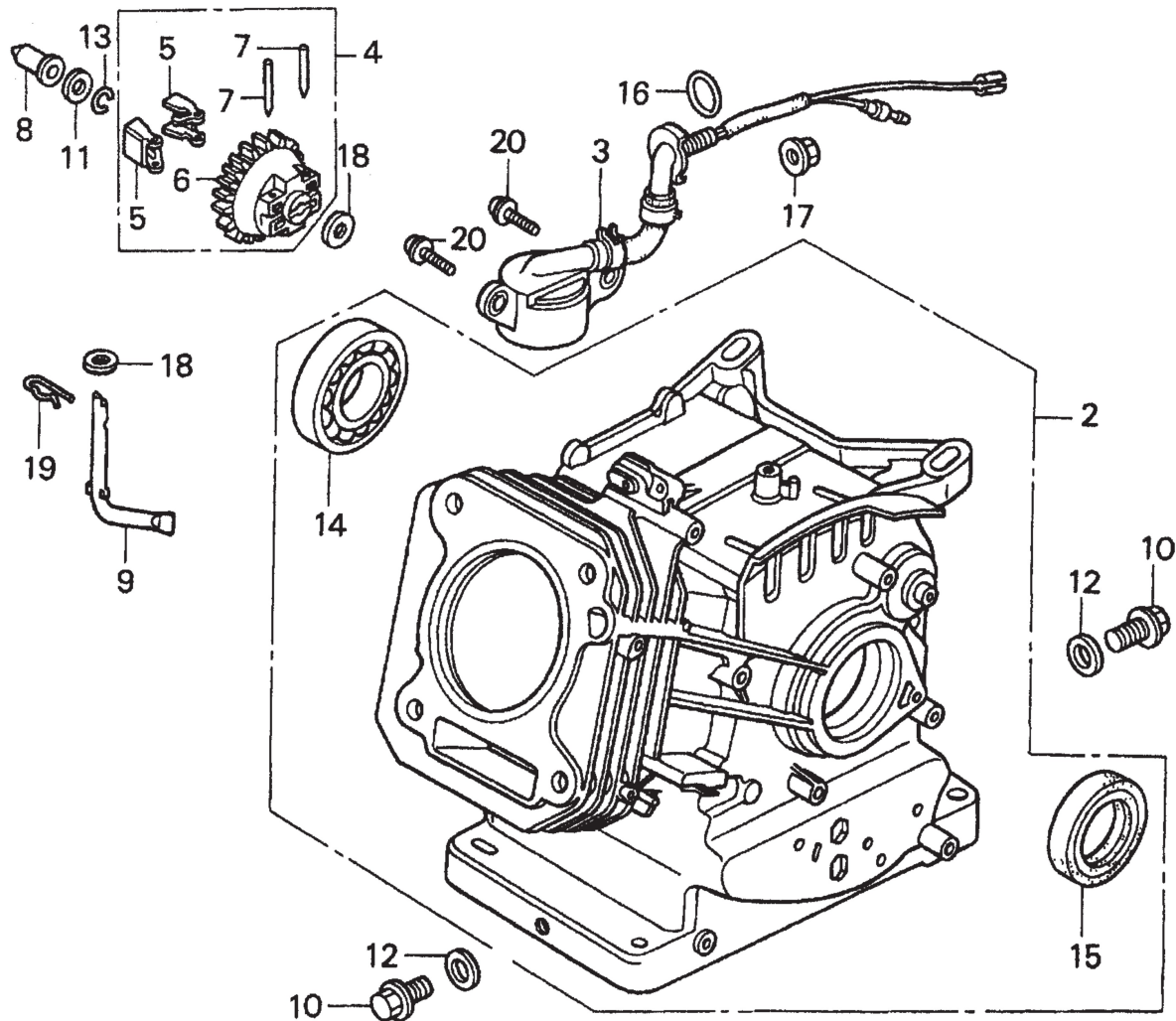


## **HONDA GX120UTQX2 ENGINE — CRANKSHAFT ASSY.**

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| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>       | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|------------------------|-------------|----------------|
| 2          | 13310ZE0650     | CRANKSHAFT, Q-TYPE     | 1           |                |
| 9          | 90745ZE1600     | KEY (4.78 X 4.78 X 38) | 1           |                |

## HONDA GX120UTQX2 ENGINE — CYLINDER BARREL ASSY.

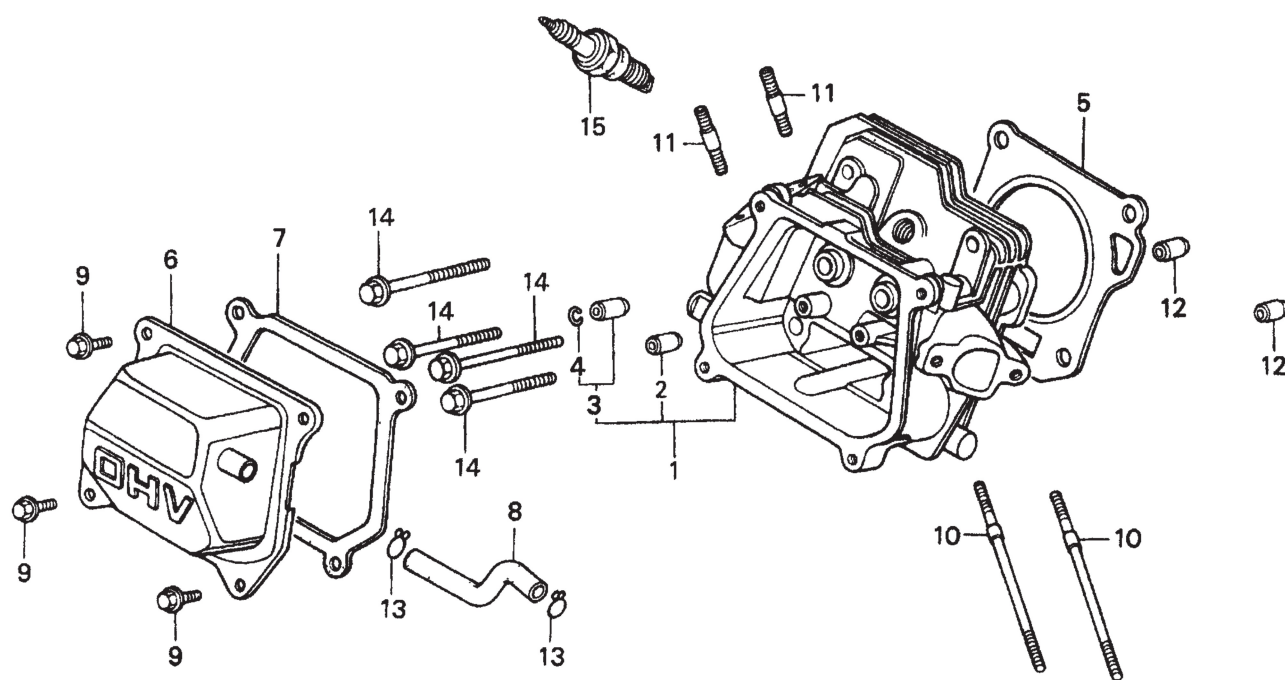


## HONDA GX120UTQX2 ENGINE — CYLINDER BARREL ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                        | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|-----------------------------------------|-------------|--------------------|
| 2          | 12000ZH7415     | CYLINDER ASSEMBLY, 811 (OIL ALERT)..... | 1.....      | INCLUDES ITEMS W/* |
| 3          | 15510ZE1033     | SWITCH ASSEMBLY, OIL LEVEL              | 1           |                    |
| 4          | 16510ZE1000     | GOVERNOR ASSEMBLY .....                 | 1.....      | INCLUDES ITEMS W/# |
| 5#         | 16511ZE1000     | WEIGHT, GOVERNOR                        | 2           |                    |
| 6#         | 16512ZE1000     | HOLDER, GOVERNOR WEIGHT                 | 1           |                    |
| 7#         | 16513ZE1000     | PIN, GOVERNOR WEIGHT                    | 2           |                    |
| 8          | 16531ZE1000     | SLIDER, GOVERNOR                        | 1           |                    |
| 9          | 16541ZE1000     | SHAFT, GOVERNOR ARM                     | 1           |                    |
| 10         | 90131ZE1000     | BOLT, DRAIN PLUG                        | 2           |                    |
| 11         | 90451ZE1000     | WASHER, THRUST 6MM                      | 1           |                    |
| 12         | 90601ZE1000     | WASHER, DRAIN PLUG 10.2MM               | 2           |                    |
| 13         | 90602ZE1000     | CLIP, GOVERNOR HOLDER                   | 1           |                    |
| 14*        | 91001878003     | BEARING, RADIAL BALL 62/22              | 1           |                    |
| 15*        | 91202ZE6003     | OIL SEAL 22X35X6                        | 1           |                    |
| 16         | 91353671003     | O- RING 13.5X1.5 (ARAI)                 | 1           |                    |
| 17         | 9405010000      | NUT, FLANGE 10MM                        | 1           |                    |
| 18         | 9410106800      | WASHER, PLAIN 6MM                       | 2           |                    |
| 19         | 9425108000      | PIN, LOCK 8MM                           | 1           |                    |
| 20         | 957010601200    | BOLT, FLANGE 6X12                       | 2           |                    |

## HONDA GX120UTQX2 ENGINE — CYLINDER HEAD ASSY.

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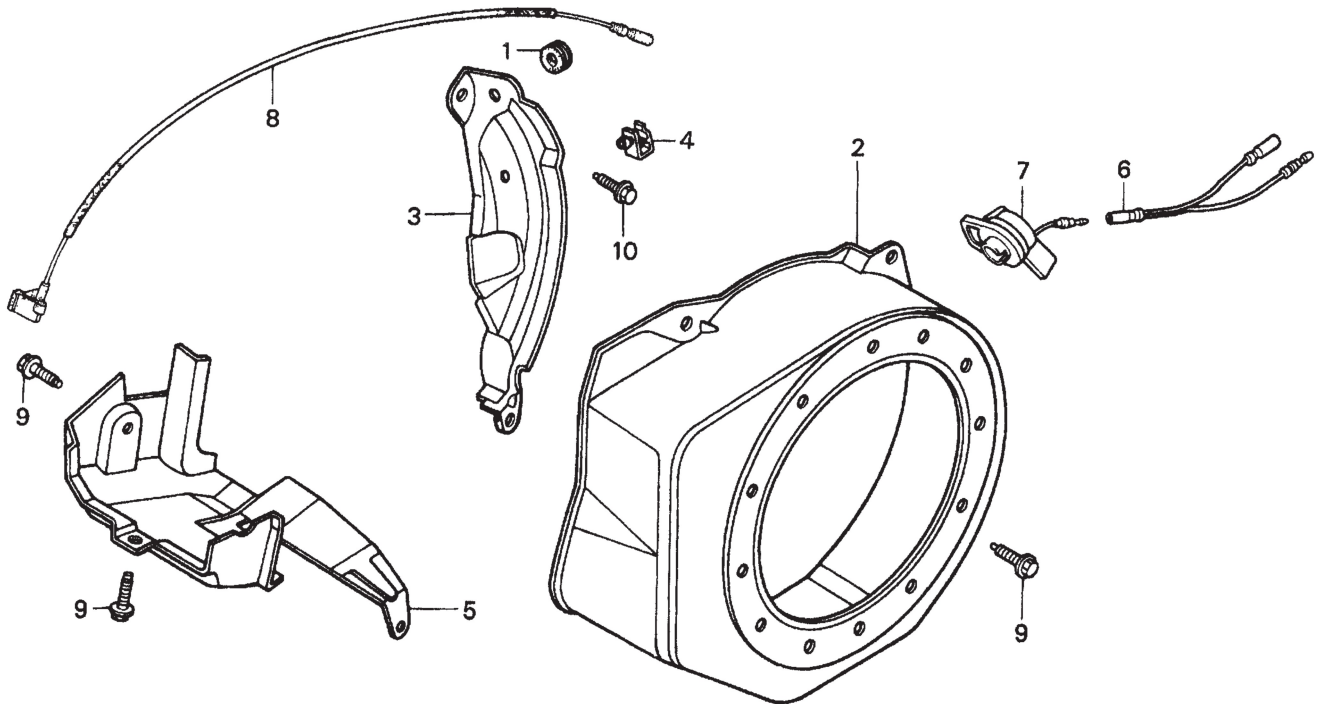


## HONDA GX120UTQX2 ENGINE — CYLINDER HEAD ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                     | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|--------------------------------------|-------------|--------------------|
| 1          | 12210ZH7000     | CYLINDER HEAD.....                   | 1.....      | INCLUDES ITEMS W/* |
| 2*         | 12204ZE1306     | GUIDE, VALVE (OS) OPTIONAL           | 1           |                    |
| 3*         | 12205ZE1315     | GUIDE, EX. VALVE (OS) OPTIONAL ..... | 1.....      | INCLUDES ITEMS W/# |
| 4*#        | 12216ZE5300     | CLIP, VALVE GUIDE                    | 1           |                    |
| 5          | 12251ZH7800     | GASKET, CYLINDER HEAD                | 1           |                    |
| 6          | 12310ZE1000     | COVER, HEAD                          | 1           |                    |
| 6          | 12310ZE1010     | COVER, HEAD                          | 1           |                    |
| 7          | 12391ZE1000     | GASKET, CYLINDER HEAD COVER          | 1           |                    |
| 8          | 15721ZH8000     | TUBE, BREATHER                       | 1           |                    |
| 9          | 90013883000     | BOLT, FLANGE 6X12 (CT200)            | 4           |                    |
| 10         | 90043ZE1020     | BOLT, STUD 6X109                     | 2           |                    |
| 11         | 90047ZE1000     | BOLT, STUD 8X32                      | 2           |                    |
| 12         | 9430110160      | PIN, A, DOWEL 10X16                  | 2           |                    |
| 14         | 957230805500    | BOLT, FLANGE 8X55                    | 4           |                    |
| 15         | 9807955855      | SPARK PLUG W16EPR- U (DENSO), OPT.   | 1           |                    |
| 15         | 9807956846      | SPARK PLUG BPR6ES, (NGK)             | 1           |                    |

## HONDA GX120UTQX2 ENGINE — FAN COVER ASSY.

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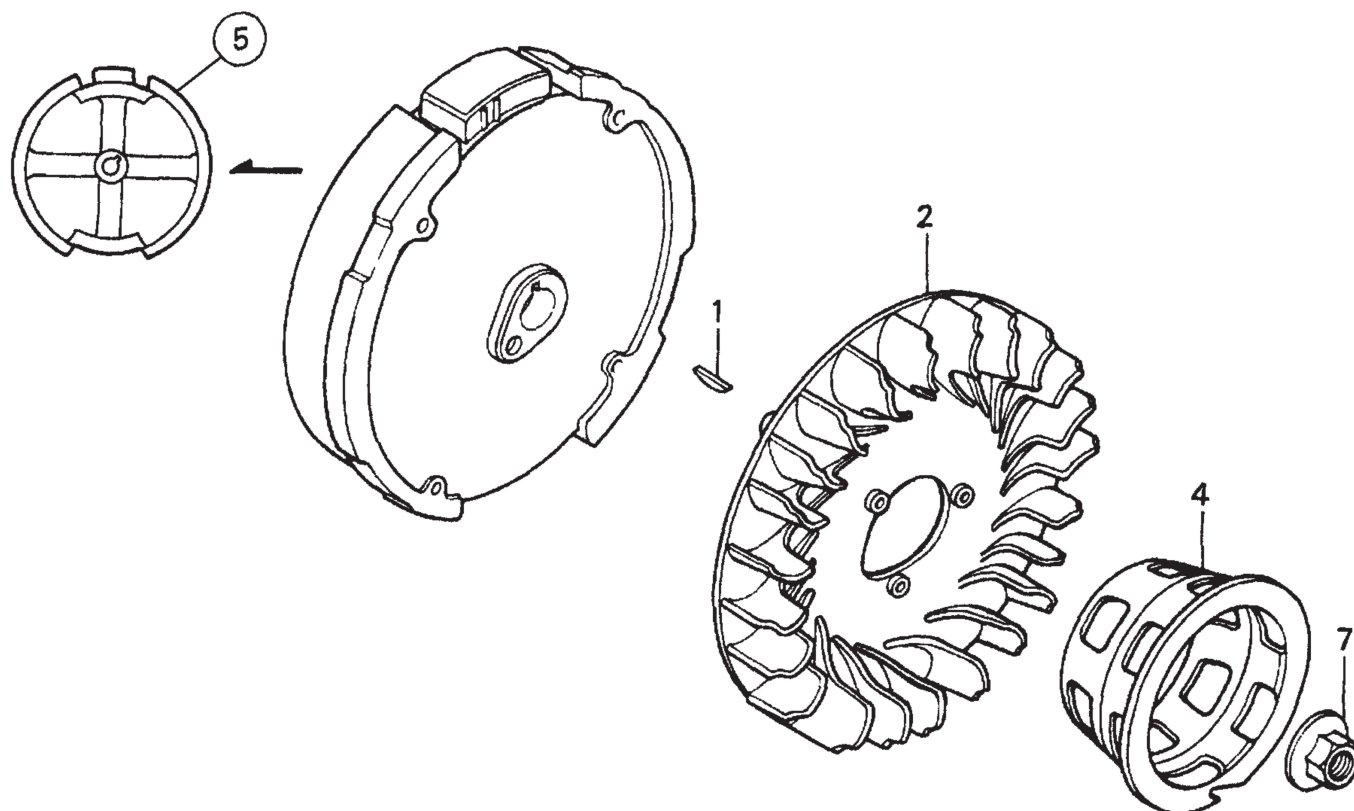


## HONDA GX120UTQX2 ENGINE — FAN COVER ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>             | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|------------------------------|-------------|----------------|
| 1          | 11347371300     | GROMMET, ADJUSTING COVER     | 1           |                |
| 2          | 19610ZE0000ZE   | COVER, FAN *NH1* BLACK       | 1           |                |
| 3          | 19612ZH7810     | PLATE, SIDE (OIL ALERT)      | 1           |                |
| 4          | 90601ZH7013     | CLIP, HARNESS                | 1           |                |
| 5          | 19630ZH7000     | SHROUD                       | 1           |                |
| 6          | 32197ZH8003     | SUB- HARNESS                 | 1           |                |
| 7          | 36100ZH7003     | SWITCH ASSEMBLY, ENGINE STOP | 1           |                |
| 8          | 36101ZE1010     | WIRE, STOP SWITCH 370MM      | 1           |                |
| 9          | 90013883000     | BOLT, FLANGE 6X12 (CT200)    | 6           |                |
| 10         | 90022888010     | BOLT, FLANGE 6X12 (CT200)    | 1           |                |
| 11         | 34150ZH7003     | ALERT UNIT, OIL              | 1           |                |
| 13         | 957010600800    | BOLT, FLANGE 6X8             | 1           |                |

## HONDA GX120UTQX2 ENGINE — FLYWHEEL ASSY.

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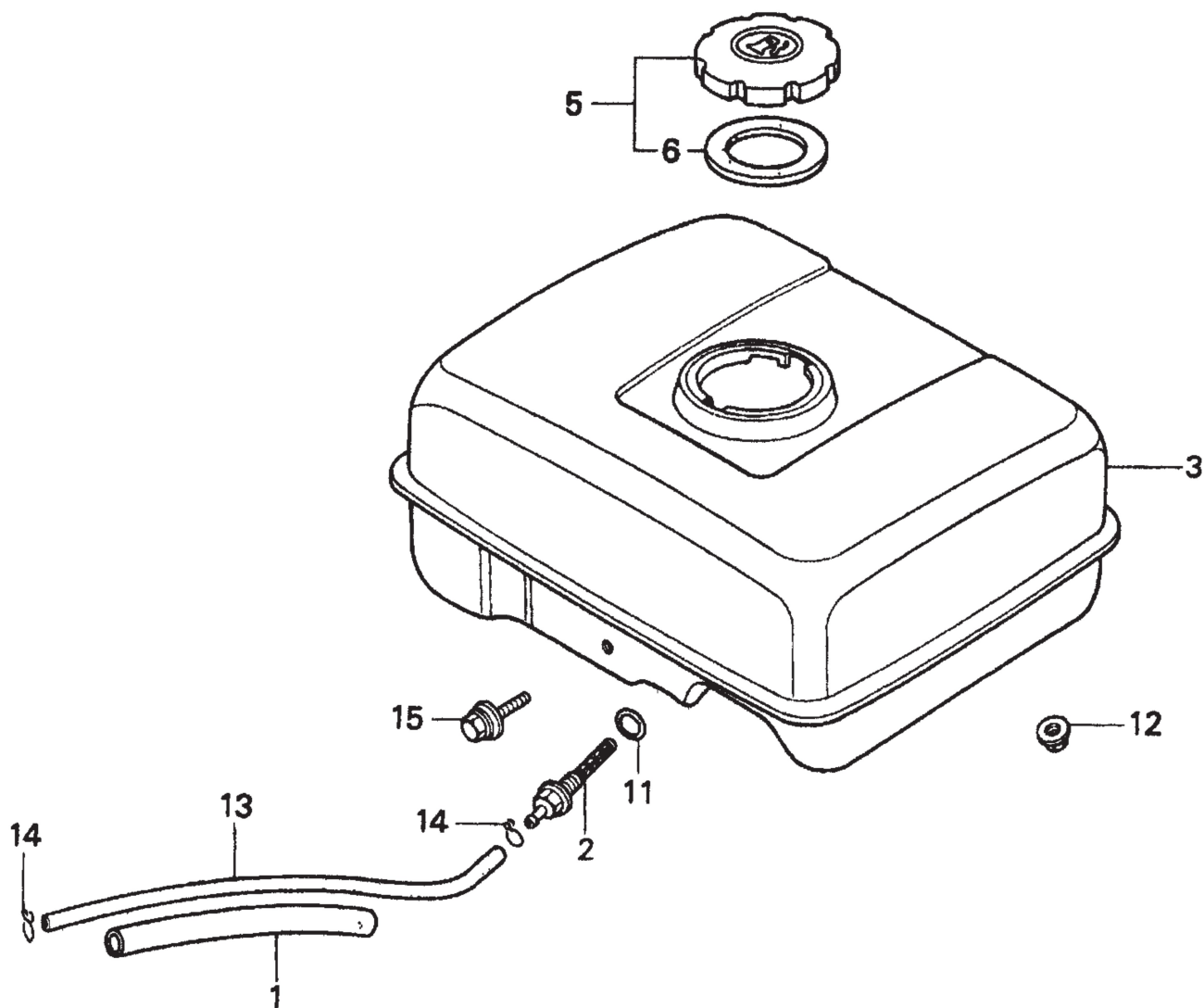
## HONDA GX120UTQX2 ENGINE — FLYWHEEL ASSY.

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| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>            | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|-----------------------------|-------------|----------------|
| 1          | 13331357000     | KEY, SPECIAL WOODRUFF 25X18 | 1           |                |
| 2          | 19511ZE0000     | FAN, COOLING                | 1           |                |
| 4          | 28451ZH8003     | PULLEY, STARTER             | 1           |                |
| 5          | 31100ZE0010     | FLYWHEEL                    | 1           |                |
| 7          | 90201878003     | NUT, SPECIAL 14MM           | 1           |                |

## HONDA GX120UTQX2 ENGINE — FUEL TANK ASSY.

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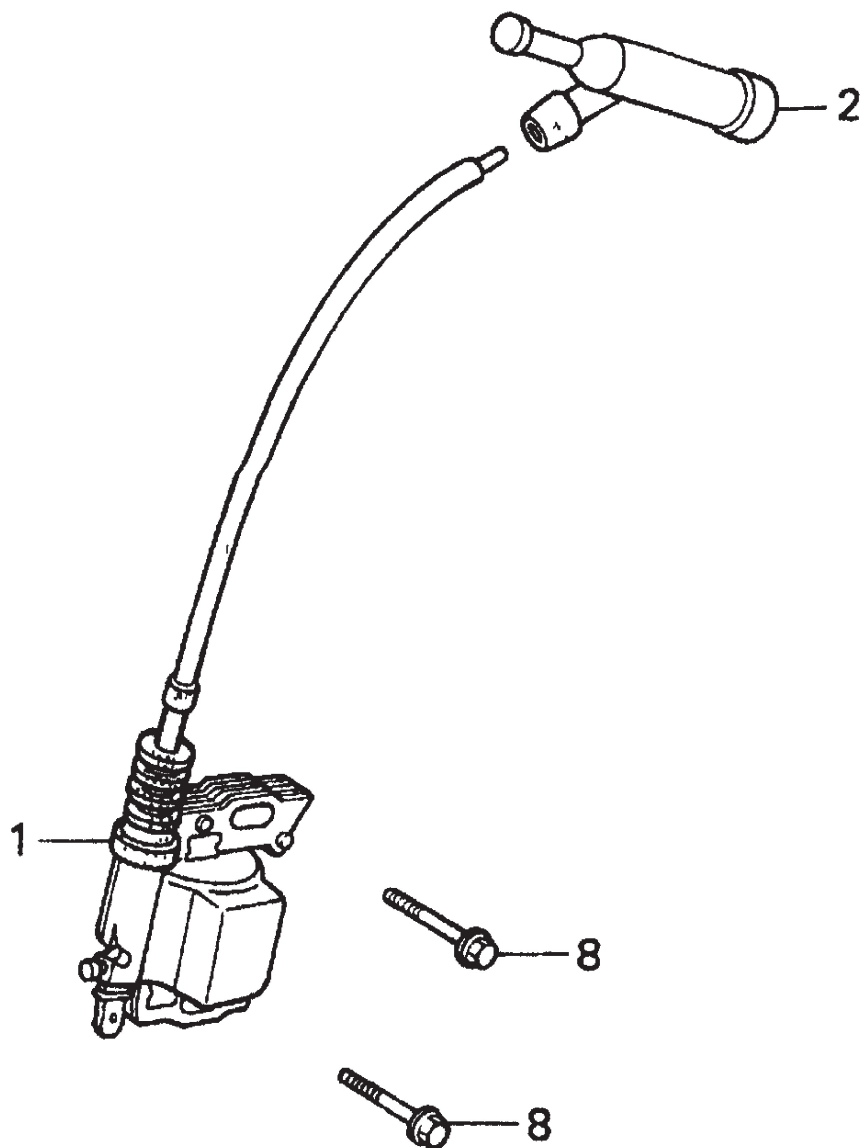


## HONDA GX120UTQX2 ENGINE — FUEL TANK ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                     | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|--------------------------------------|-------------|--------------------|
| 1          | 16854ZH8000     | RUBBER, SUPPORTER 107MM              | 1           |                    |
| 2          | 16955ZE1000     | JOINT, FUEL TANK                     | 1           |                    |
| 3          | 17510ZE0020ZD   | TANK, FUEL *NH1* (BLACK)             | 1           |                    |
| 5          | 17620ZH7023     | CAP, FUEL FILLER.....                | 1           | INCLUDES ITEMS W/* |
| 6*         | 17631ZH7003     | GASKET, FUEL FILLER CAP              | 1           |                    |
| 11         | 91353671003     | O- RING 13.5X1.5 (ARAI)              | 1           |                    |
| 12         | 9405006000      | NUT, FLANGE 6MM                      | 2           |                    |
| 13         | 950014500360M   | BULK HOSE, FUEL (4.5X3000) (4.5X140) | 1           |                    |
| 14         | 9500202080      | CLIP, TUBE (B8)                      | 2           |                    |
| 15         | 90004ZH7003     | BOLT, FLANGE 6X29                    | 1           |                    |

## HONDA GX120UTQX2 ENGINE — IGNITION COIL ASSY.

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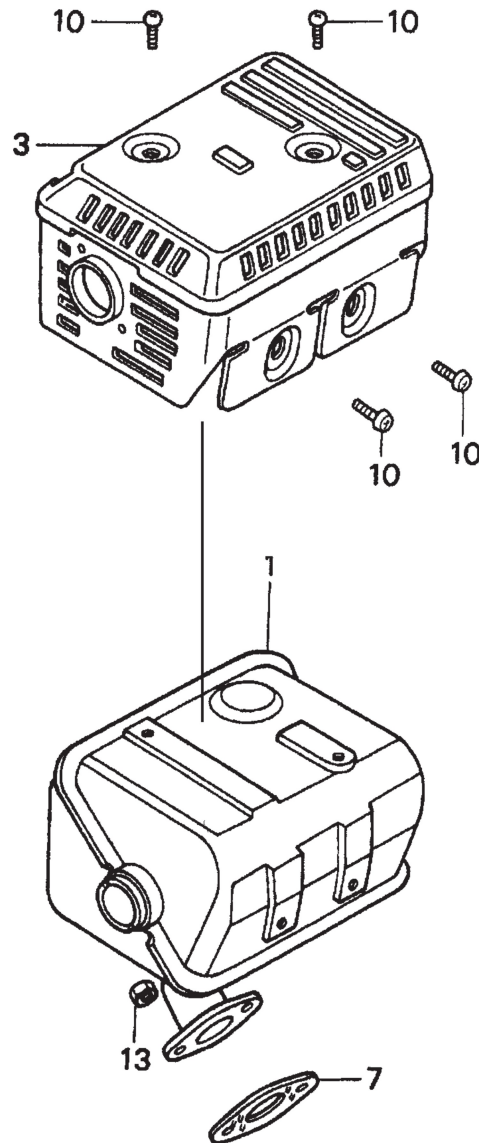
## **HONDA GX120UTQX2 ENGINE — IGNITION COIL ASSY.**

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| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>               | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|--------------------------------|-------------|----------------|
| 1          | 30500ZE1033     | COIL ASSEMBLY, IGNITION        | 1           |                |
| 2          | 30700ZE1013     | CAP ASSEMBLY, NOISE SUPPRESSOR | 1           |                |
| 8          | 90121952000     | BOLT, FLANGE 6X25              | 2           |                |

## HONDA GX120UTQX2 ENGINE — MUFFLER ASSY.

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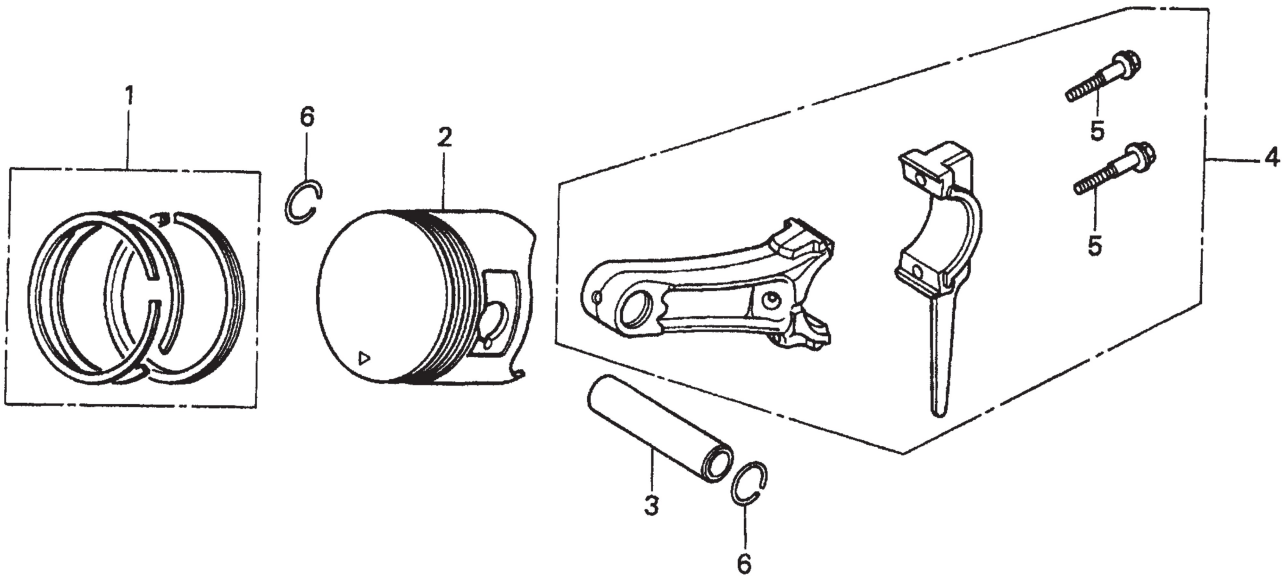


## HONDA GX120UTQX2 ENGINE — MUFFLER ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>   | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|--------------------|-------------|----------------|
| 1          | 18310ZF1000     | MUFFLER            | 1           |                |
| 3          | 18320ZF1H01     | PROTECTOR, MUFFLER | 1           |                |
| 7          | 18381ZH8800     | GASKET, MUFFLER    | 1           |                |
| 10         | 90050ZE1000     | SCREW, TAPPING 5X8 | 4           |                |
| 13         | 94001080000S    | NUT, HEX. 8MM      | 2           |                |

**HONDA GX120UTQX2 ENGINE — PISTON ASSY.**

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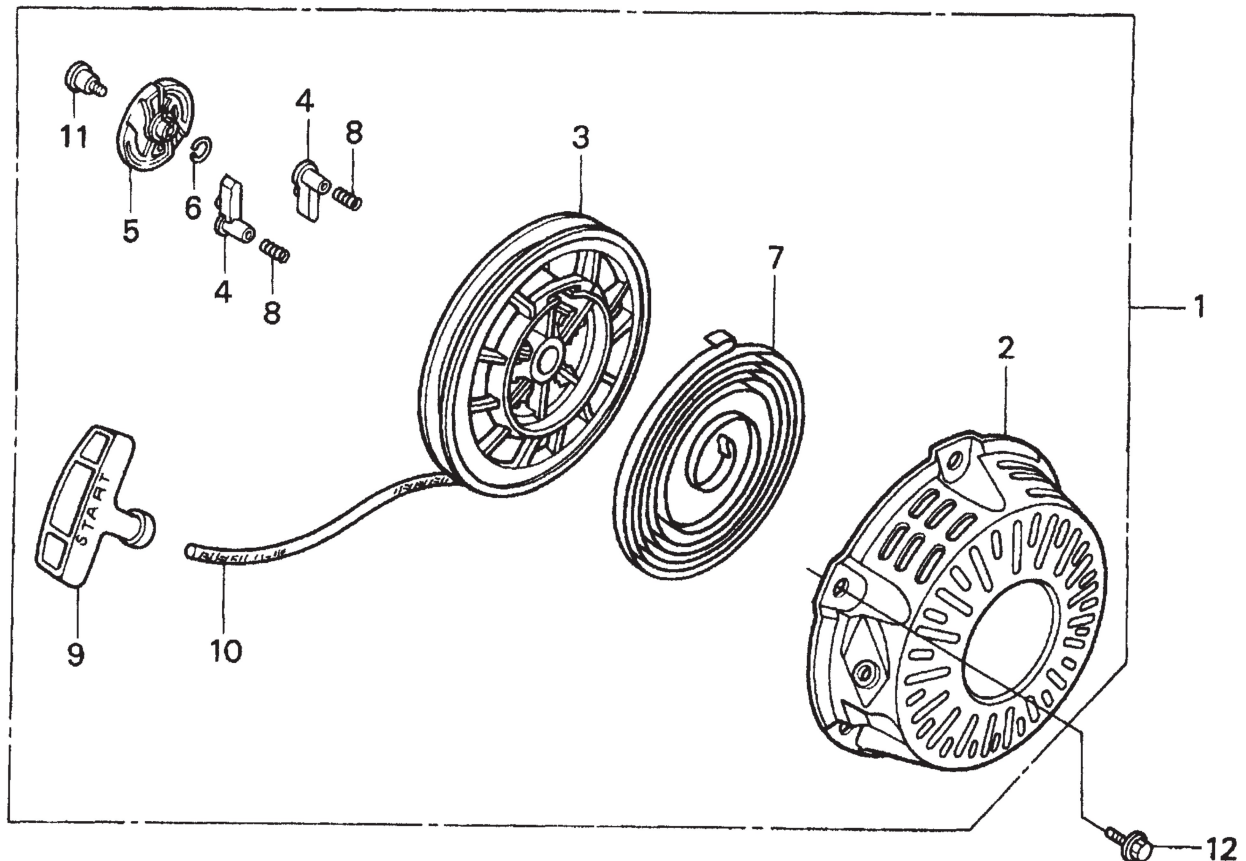




## HONDA GX120UTQX2 ENGINE — PISTON ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                           | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|--------------------------------------------|-------------|--------------------|
| 1          | 13010ZK7V01     | RING SET, PISTON (STANDARD)                | 1           |                    |
| 1          | 13011ZK7V01     | RING SET, PISTON (OS 0.25), OPTIONAL       | 1           |                    |
| 1          | 13012ZK7V01     | RING SET, PISTON (OS 0.50), OPTIONAL       | 1           |                    |
| 1          | 13013ZK7V01     | RING SET, PISTON (0.75), OPTIONAL          | 1           |                    |
| 2          | 13101ZH7000     | PISTON, STANDARD                           | 1           |                    |
| 2          | 13102ZH7000     | PISTON, OS 0.25 (OPTIONAL)                 | 1           |                    |
| 2          | 13103ZH7000     | PISTON, OS 0.50 (OPTIONAL)                 | 1           |                    |
| 2          | 13104ZH7000     | PISTON, 0.75 (OPTIONAL)                    | 1           |                    |
| 3          | 13111ZE0000     | PIN, PISTON                                | 1           |                    |
| 4          | 132A0ZE0000     | ROD ASSY., CONNECTING (UNDERSIZE) OPTIONAL | 1           | INCLUDES ITEMS W/* |
| 4          | 13200ZE0000     | ROD ASSEMBLY, CONNECTING                   | 1           | INCLUDES ITEMS W/* |
| 5*         | 90001ZE1000     | BOLT, CONNECTING ROD                       | 2           |                    |
| 6          | 90551ZE0000     | CLIP, PISTON PIN 13MM                      | 2           |                    |

## HONDA GX120UTQX2 ENGINE — RECOIL STARTER ASSY.



## HONDA GX120UTQX2 ENGINE — RECOIL STARTER ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                          | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|-------------------------------------------|-------------|--------------------|
| 1          | 28400ZH8013ZB   | STARTER ASSY., RECOIL *NH1* (BLACK) ..... | 1           | INCLUDES ITEMS W/* |
| 2*         | 28410ZH8003ZB   | CASE, RECOIL STARTER                      | 1           |                    |
| 3*         | 28420ZH8013     | REEL, RECOIL STARTER                      | 1           |                    |
| 4*         | 28422ZH8013     | RATCHET, STARTER                          | 2           |                    |
| 5 *        | 28433ZH8003     | GUIDE, RATCHET                            | 1           |                    |
| 6*         | 28441ZH8003     | SPRING, FRICTION                          | 1           |                    |
| 7*         | 28442ZH8003     | SPRING, RECOIL STARTER                    | 1           |                    |
| 8*         | 28443ZH8003     | SPRING, RETURN                            | 2           |                    |
| 9*         | 28461ZH8003     | KNOB, RECOIL STARTER                      | 1           |                    |
| 10*        | 28462ZH8003     | ROPE, RECOIL STARTER                      | 1           |                    |
| 11*        | 90003ZH8003     | SCREW, SETTING                            | 1           |                    |
| 12         | 90008ZE2003     | BOLT, FLANGE 6X10                         | 3           |                    |

NO ARTWORK

## HONDA GX120UTQX2 ENGINE — GASKET KIT ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>            | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|-----------------------------|-------------|--------------------|
| 1          | 06111ZH7405     | GASKET KIT.....             | 1.....      | INCLUDES ITEMS W/* |
| 2*         | 11381ZH7800     | GASKET, CASE COVER          | 1           |                    |
| 3*         | 12251ZH7800     | GASKET, CYLINDER HEAD       | 1           |                    |
| 4*         | 12391ZE1000     | GASKET, CYLINDER HEAD COVER | 1           |                    |
| 5*         | 16212ZH7800     | GASKET, INSULATOR           | 1           |                    |
| 6*         | 16221ZH8801     | GASKET, CARBURETOR          | 1           |                    |
| 7*         | 18381ZH8800     | GASKET, MUFFLER             | 1           |                    |

## HONDA GX120UTQX2 ENGINE — LABELS ASSY.

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