

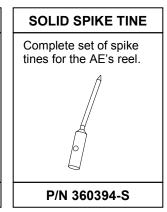


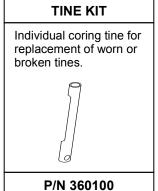


# **AERATOR Owner's Manual**

AE403V
Beginning Serial #: 100515001
Replacement Parts and Accessories

# Replacement reel with tines for your aerator. P/N 360352





#### **Original Instructions**

IMPORTANT- READ CAREFULLY BEFORE USE AND KEEP FOR FUTURE REFERENCE



# CONTENTS

SPECIFICATIONS AND SAFETY	3
INSTRUCTION LABELS	4
PACKING CHECKLIST & ASSEMBLY	5
OPERATION	6
MAINTENANCE AND TROUBLESHOOTING	7-8
ILLUSTRATED PARTS & PARTS LIST	10-13

Go to <a href="http://www.billygoat.com">http://www.billygoat.com</a> for translations of the product manuals.

Visitez <a href="http://www.billygoat.com">http://www.billygoat.com</a> pour la version canadienne-française des manuels de produits



# **SPECIFICATIONS**

#### **AE403V**

Engine: HP	5.0HP (3.73 kW)
Engine: Model	10V3320003F1
Engine: Type	Briggs and Stratton
Engine: Fuel Capacity	3.3 qt (3.1L)
Engine: Oil Capacity	0.63 qt (0.6L)
Total Unit Weight:	252 lb. (114.3 kg)
Max. operating slope	20°

# **SAFETY**



#### WARNING



This product can expose you to chemicals including gasoline engine exhaust, which is known to the State of California to cause cancer, and carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Read the safety rules and follow them closely. Failure to obey these rules could result in loss of control of the unit, severe personal injury or death to you, or bystanders, or damage to property or equipment.



## **INSTRUCTION LABELS**

The labels shown below were installed on your BILLY GOAT<sup>®</sup> Aerator. If any labels are damaged or missing, replace them before operating this equipment. Part numbers from the Illustrated Parts List are provided for convenience in ordering replacement labels. The correct position for each label may be determined by referring to the part numbers shown.





US PATENT NO:
6,758,283

AND OTHER PATENTS PENDING

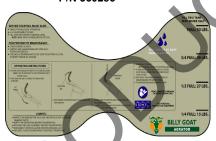


LABEL WARNING GUARDS P/N 900327 LABEL EXPLOSIVE FUEL P/N 400268

LABEL PATENT P/N 360286 LABEL WARNING UNIT WEIGHT P/N 360188



LABEL LIFT HERE P/N 360187 LABEL INSTRUCTIONS AE P/N 360025



# **THROTTLE CONTROLS**

#### **Briggs**

Set lever to choke when starting cold



Set lever to desired engine speed. Move lever completely to the left to stop engine



## **PACKING CHECKLIST**

Your Billy Goat is shipped from the factory in one carton, completely assembled.



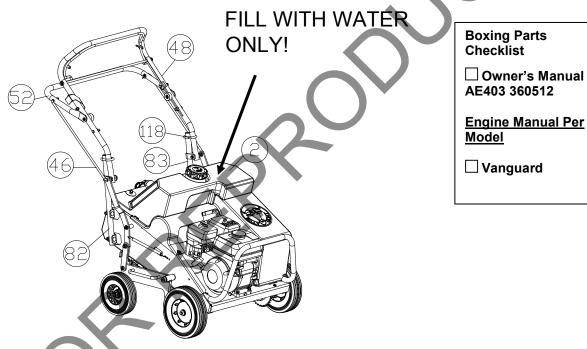
**READ** all safety instructions before assembling unit. **TAKE CAUTION** when removing the unit from the box.



PUT OIL IN ENGINE BEFORE STARTING

#### **PARTS BAG & LITERATURE ASSY**

Warranty card P/N- 400972, Owner's Manual P/N-360512, General Safety and Warnings Manual Renovation-100295, Declaration of Conformity P/N-100500.



# **ASSEMBLY**

NOTE: Items in ( ) can be referenced in the Parts Illustrations and Parts Lists on pages 10-13.

- 1. UNFOLD the upper handle (item 48) and slide handle lock loops (item 118) into place to secure the upper handle to the lower handle (item 82 & 83).
- **2. ASSEMBLE** the water tank to the unit and secure with the two carriage bolts, two locknuts and washers (items 137, 105 and 111) that can be found in the parts bag.
- 3. FILL the water tank (item 2) to desired weight with water ONLY.
- **4. CHECK** engine oil level and fill to proper level. Also check oil in gear reduction reservoir and fill if necessary. See engine owner's manual for type and amount of oil to use. Move the tine engagement lever to the down position, to level engine during checking.
- **5. CONNECT** spark plug wire. Set the engine stop switch to the **ON** position. You will use the stop switch on the handle during operation.



### **OPERATION**

#### **AERATING OPERATION**

*NOTE*: NEVER PARK THIS UNIT ON A SLOPE OF ANY KIND. Always keep tines in the up position when parking the unit.

<u>TINES RAISING/LOWERING</u>: The tines are raised or lowered into the ground by operating the tine engagement lever on the upper handle. Tine penetration is very dependent on surface preparation. READ the entire operation section before aerating. (See Fig. 1)

<u>SET SPEED</u>: The ground speed of your aerator varies with the engine speed. Set the engine at approximately half throttle to start. Speed may be increased based on the turf conditions (i.e. large flat areas) and operator experience. Speed should be lowered when operating under adverse turf conditions (i.e. fenced areas, hills, or slopes).

<u>ENGAGE TINES</u>: With the aerator in the work area, release the clutch bail and push forward on the tine engagement lever, lowering the tines into the dirt.

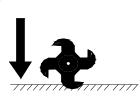
<u>AERATE</u>: Engage the operators clutch bail by pulling it backwards from the handle, and start aerating.

<u>MOVE</u>: Be sure the tine engagement control is in the up position (tines out of the ground) and engage the wheel drive by squeezing the operators clutch bail against the handle. Transport the aerator to the work area.

NOTE: For maximum tine penetration apply downward pressure on the handle.

<u>TURNING</u>: At the end of an aerating run, release the clutch bail and lift up on the tine engagement control to lift the tines out of the ground. Using the handle lift the front of the unit to pivot it around and line up for the next pass.

<u>TRANSPORT</u>: Be sure to lift the tine engagement lever (tines out of the ground) before transporting away from the work area. (See *Fig.* 2)



Tines down aerating

Tines up

transport

Fig. 2

#### **FOLDING HANDLE**

This unit is equipped with a folding upper handle for easier storage. TO FOLD THE HANDLE (See Fig. 3 and Fig. 4):

- 1. Slide handle lock loops (item 118) up on both sides.
- 2. Fold the upper handle (item 48)



Fig 4

## \*\*\*\*\*TIPS\*\*\*\*\*

#### MOW

Mow the lawn to its normal cut height.

#### WATER

For the best performance and maximum tine penetration the lawn should be thoroughly watered the day before aeration.

#### INSPECT

Check the lawn before beginning work. Remove all rocks, wire, string, or other objects that can present a hazard during work prior to starting.

#### IDENTIFY

Mark all fixed objects to be avoided during work, such as sprinkler heads, water valves, buried cables, or clothes line anchors, etc.

#### SI OPES

Do not operate the aerator on steep slopes. Use extreme caution when operating on any sloped surface. For lesser sloped areas operate the unit, traversing up and down at a 45 degree angle to the slope rather than straight across. Extended operation on steep slopes can cause engine damage. *NOTE*: **DO NOT** release the operators clutch bail when operating on a slope. This will allow the unit to free wheel and allow the unit to roll down the slope. *NOTE*: Honda engines are equipped with a low oil sensor to prevent engine damage. When it senses a low oil condition (i.e. unit is operating or sitting on a steep slope) the engine shuts down. The maximum operating slope for the engine is 20°. The low oil condition must be corrected before the engine can be restarted. See the engine owner's manual for more information.



## **MAINTENANCE**

#### PERIODIC MAINTENANCE

Periodic maintenance should be performed at the following intervals:

Periodic maintenance should be performed at the followin			
Maintenance Operation	Every Use (daily)	Every 25 hrs	Every 50 Hours
Inspect for loose, worn or damaged parts.		•	
Check engine oil.	•		
Inspect belt for wear.			
Engine (See Engine Manual)			
Oil chains (see lubrication).		•	
Thoroughly clean all debris from unit and tine reel	•		
Check tine reel nut torque. Torque to min. 100 ft.lbs.			<b>·</b>
Check gear reduction oil level		· ·	
Grease bearings (see lubrication).			•

ENGINE MUST BE LEVEL WHEN CHECKING OR FILLING OIL

NOTE: Items in ( ) can be referenced in the Parts Illustrations and Parts Lists on pages 10-13.

TINE REEL REMOVAL (See pages 12 and 13 for Parts Illustration and Parts List)

*NOTE*: Tine reel removal is only necessary to replace an entire tine row or for other major unit maintenance. Individual tines can be replaced by following the INDIVIDUAL TINE REPLACEMENT instructions.

- 1. Wait for engine to cool and disconnect spark plug.
- 2. Remove the top guard by removing the four nuts, two on each side that secures it to the frame.
- 3. Release the tension on the chain. See CHAIN TENSION ADJUSTMENT in this manual.
- **4.** Remove the four bolts and nuts, two on each side, holding the tine reel bearings in place. BE CAREFUL the tine reel is heavy and sharp. Take precautions to not allow it to fall when the bearing bolts are removed.
- 5. Lift the reel up and to the side to remove it from the drive chain.
- 6. Replace the reel with a new one.
- 7. To reinstall the reel follow the above steps in reverse. Make sure all hardware is tightened securely
- 8. Replace the guard and reinstall the four nuts that secure it in place.

#### INDIVIDUAL TINES REPLACEMENT (See pages 12 and 13 for Parts Illustration and Parts List)

- 1. Wait for engine to cool and disconnect spark plug.
- 2. Remove the bolt and nut holding the tine to the plate.
- 3. Replace the tine with a new one along with a new bolt and nut.
- NOTE: Tines are a normal wear item and should be inspected regularly for signs of wear or damage.

#### **BELT AND CHAIN TENSION ADJUSTMENT**

ADJUSTING BELT TENSION (See pages 12 and 13 for Parts Illustration and Parts List)

- 1. Remove the top guard (item 3) by removing the four nuts (item 87), two on each side, that secure it to the frame.
- 2. Locate the top of the belt idler assembly where the clutch cable (item 55) is secured in place. A properly tensioned belt should stretch the idler spring (located next to the idler pulley) between 1/4" 3/8" when the clutch bail (item 54) is held in the drive position.
- 3. Use a 1/2" wrench to loosen the two nuts that secure the cable (item 55) in place.



- **4.** TO INCREASE belt tension adjust these two nuts so that the cable (item 55) is secured in place with an additional 1/4" of the threaded adjuster at the top of the assembly.
  - TO DECREASE belt tension, adjust these two nuts so that the cable (item 55) is secured in place with 1/4" less of the threaded adjuster at the top of the assembly.
- 5. Replace the guard (item 3) and reinstall the four nuts (item 87) that secure it in place.
- 6. Run the unit to test your adjustment. Repeat as necessary to achieve proper adjustment. A properly adjusted belt will pull the unit up a 15 degree slope when clutched without any belt slip, and will declutch and stop the unit completely when the clutch is released.

NOTE: Never release the clutch on a slope. The unit is heavy and will free wheel downhill.

NOTE: A worn belt will not allow for proper adjustment and must be replaced.

#### ADJUSTING CHAIN TENSION (See pages 12 and 13 for Parts Illustration and Parts List)

- 1. Remove the top guard (item 3) by removing the four nuts (item 87), two on each side, that secure it to the frame.
- 2. Locate the bolt (item 31, 33) and nut (item 80) that hold each idler sprocket to the frame of the unit. One idler sprocket sets tension on the wheel drive chain and one sets tension on the tine drive chain.
- 3. Loosen the bolt and nut and slide the idler sprocket (item 29) in the desired direction.

INCREASED TENSION: Slide the sprocket to the rear.

DECREASED TENSION: Slide the idler sprocket to the front.

- **4.** Tighten the bolt and nut to secure the sprocket in place.
- 5. Replace the guard and reinstall the four nuts that secure it in place

*NOTE*: Over tensioning the chain will cause premature chain and sprocket wear. DO NOT OVER TENSION THE CHAIN. A properly tensioned chain will have slack of 1/4"-3/8" when moved by hand.

#### DRIVE BELT REPLACEMENT (See pages 12 and 13 for Parts Illustration and Parts List)

- 1. Wait for engine to cool and disconnect spark plug.
- 2. Remove the top guard by removing the four nuts, two on each side, that secure it to the frame.
- 3. Slide the belt off of the engine drive pulley, and off of the jackshaft drive pulley.
- 4. Continue sliding the belt along the jackshaft to the right jackshaft bearing away from the pulley and sprockets.
- 5. Using a 9/16" wrench, remove the two bolts and nuts that hold the jackshaft bearing in place.
- Carefully lift the jackshaft up until the belt can be slid out underneath the bearing.
- 7. Slide the new belt in place over the jackshaft.
- 8. Replace and tighten the bolts and nuts holding the jackshaft bearing in place. Be sure that the jackshaft is aligned straight across between both bearings.
- Slide the belt along the jackshaft and over both engine and jackshaft pulleys. Be sure the idler pulley is positioned on the flat side of the belt.
- 10. Check proper belt tension. See BELT TENSION ADJUSTMENT in this manual.

#### CHAIN REPLACEMENT (See pages 12 and 13 for Parts Illustration and Parts List)

NOTE: This procedure will work to change the wheel drive chain or the tine drive chain.

- 1. Wait for engine to cool and disconnect spark plug.
- 2. Remove the top guard by removing the four nuts, two on each side, that secure it to the frame.
- 3. Roll the unit until the master link of the chain that you want to replace is exposed near the jackshaft sprocket.
- 4. Release the tension on the chain. See CHAIN TENSION ADJUSTMENT in this manual.
- 5. Using a screwdriver or similar device, remove the spring clip that secures the master link in the chain.
- 6. With the master link removed unwind the chain from the two sprockets that it connects.
- 7. Carefully string the replacement chain around the same two sprockets and reconnect it with the new master link provided with your replacement chain.
- 8. Reset the tension on the chain.
- 9. Replace the guard and reinstall the four nuts that secure it in place.



#### **LUBRICATION**

BEARINGS (See pages 12 and 13 for Parts Illustration and Parts List)

- 1. Remove the top guard by removing the four nuts, two on each side that secures it to the frame. *NOTE*: Guard must be removed to lubricate the jackshaft bearings only. All other bearings can be lubed without removing the guard.
- 2. Lubricate all 6 bearings using a pressurized grease gun with standard lithium based grease.
- 3. Wipe any excess grease off of all bearings and fittings after each lubrication.
- 4. Replace the guard and reinstall the four screws that secure it in place.

CHAINS (See pages 12 and 13 for Parts Illustration and Parts List)

- 1. Remove the top guard by removing the four nuts, two on each side that secures it to the frame.
- 2. Apply a light coat of No. 30 Oil or a penetrating chain lubricant to keep the chain clean and in good running order.
- 3. Replace the guard and reinstall the four screws that secure it in place.

NOTE: If machine is cleaned with a pressure washer the chains and bearings should be lubricated after each cleaning.

# **TROUBLESHOOTING**

Problem	Possible Cause	Solution
Engine will not start	Throttle in off position. Engine not in full choke position. Out of gasoline. Bad or old gasoline. Spark plug wire disconnected. Dirty air cleaner.	Check stop switches, throttle, choke position and gasoline. Connect spark plug wire. Clean or replace air cleaner. Or contact a qualified service person. Check and fill engine oil.
Abnormal vibration	Damaged or missing tines. Loose handle bolts. Loose engine bolts.	Stop work immediately. Replace any damaged or missing tines. Tighten all loose bolts and nuts.
Engine is making loud noise or squealing	Gear reduction oil level is low	Check and add oil according to engine owner's manual
Engine stalls or labors when aerating	Working on too steep of a slope. Not enough oil in the engine.	Work at 45 degrees to the slope moving up and down instead of across. Check and add engine oil.
Engine is locked, will not pull over	Debris locked against reel, or drive pulleys. Engine problem.	Pull spark plug wire and remove debris. Contact an engine servicing dealer for engine problems.
Unit does not move when clutch is engaged	Belt drive out of adjustment. Worn drive belt. Loose or damaged chain or sprockets. Loose or damaged pulleys. Damaged or broken clutch cable.	See maintenance on pg. 7 of this manual. Contact a qualified servicing dealer.



# **AE403 HANDLE PARTS DRAWING**



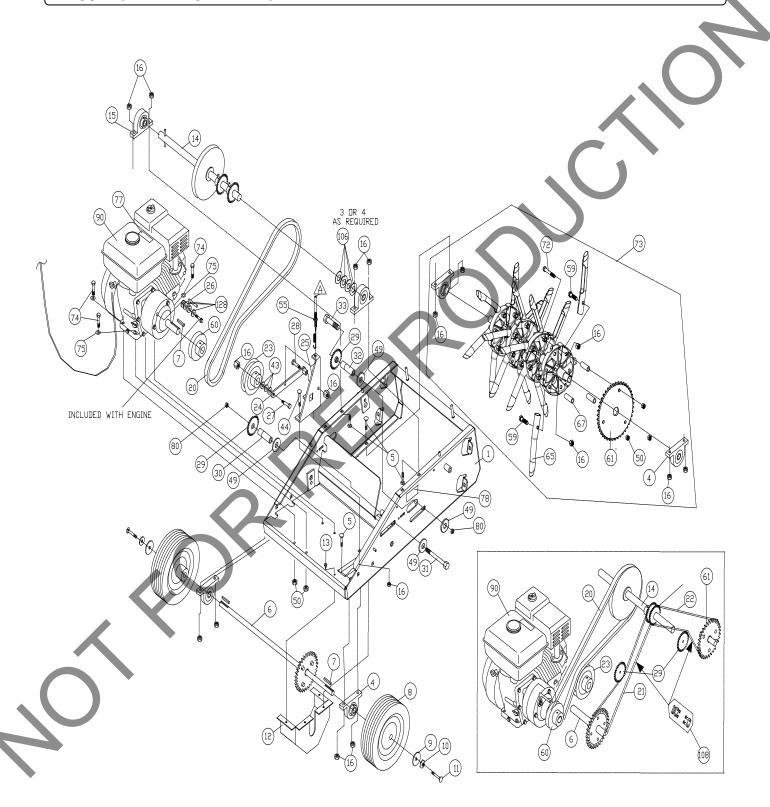


# **AE403 HANDLE PARTS LIST**

NO.   DESCRIPTION   AE403V   Part No.   1   FRAME ASSEMBLY WA AE402   360324   1   2   WATER TANK 5.5 GAL   360328   1   3   3   COVER, DRIVE UNIVERSAL AE401   360398   1   3   3   COVER, DRIVE UNIVERSAL AE401   360398   1   3   3   COVER, DRIVE UNIVERSAL AE401   360398   1   3   3   TUBE FRONT BUMPER   360329   1   3   3   TUBE FRONT BUMPER   360329   1   3   5   DOLT SHOULDER 3/4 × 2.5   3   3   3   GO146   2   3   3   TUBE FRONT BUMPER   3   3   3   3   TUBE FRONT BUMPER   3   3   3   3   TOTTER PIN   3   3   3   3   TOTTER PIN   3   3   3   TOTTER PIN   3   3   3   3   TOTTER PIN   3   3   3   TOTTER PIN   3   3   3   3   TOTTER PIN   3   3   3   TOTTER PIN   3   3   3   TOTTER PIN   3   3   3   3   3   3   TOTTER PIN   3   3   3   3   3   3   3   3   3				
1 FRAME ASSEMBLY WA AE402 360324 1 2 WATER TANK 5 5 GAL 360238 1 3 COVER, DRIVE UNIVERSAL AE401 360398 1 9 WASHER 5/16 FENDER 8172020 2 16 NUT-HEXNYLK, FLG. 375"-16 ZP 8165003 8 17 USE FRONT BUMPER 360329 1 36 DUT SHOULDER 3/4 x 2.5 360146 2 36 NUT LOCK 5/8-11 THIN 8161046 2 37 BUSHING PWOT 360183 4 40 BRACKET LIFT LINK 36024061 8 39 COTTER PIN 8197031 4 40 BRACKET LIFT LINK 3602406 2 41 PLATE LINKAGE RH LONG WA AE 360328 1 42 PLATE LINKAGE LH LONG WA AE 360327 1 43 WASHER FLAT 3/8 SAE 8172009 12 45 SPRING EXTENSION 360154 2 46 ROD LIFT 360303 2 47 BANDLE UPPER AE 350376 1 48 HANDLE UPPER AE 350376 1 50 NUTHEX-NYLK, FLG. 3125"-18 ZP 8165002 8 51 LASH LUTCH 360303 2 52 HANDLE LIFT 360303 2 54 BAIL CLUTCH 360303 2 55 BAIL CLUTCH 360303 2 56 BAIL CLUTCH 360303 2 57 BAIL CLUTCH 360303 2 58 BUMPER RECESS 36029 1 59 CABLE GLUTCH ASSY 360313 1 58 BUMPER RECESS 36029 1 59 CABLE GLUTCH ASSY 360313 2 50 NUTHEX-NYLK, FLG. 3125"-18 ZP 8165002 8 51 BAIL CLUTCH 360303 2 52 BAIL CLUTCH 360303 2 54 BAIL CLUTCH 360303 2 55 BUMPER RECESS 36029 1 56 CABLE GLUTCH ASSY 360313 1 57 BAIL CLUTCH 360303 2 58 BUMPER RECESS 36039 2 59 BUMPER RECESS 36029 2 50 AND LE LIFT 3600303 2 50 AND LE LIFT 3600303 2 50 AND LE LIFT 360030 3 50 AND LE LIFT 3600303 3	ITEM	DESCRIPTION	AE403V	QTY
2 WATER TANK 5.5 GAL 3 COVER, DRIVE UNIVERSAL AE401 3 COVER, DRIVE UNIVERSAL AE401 3 GOOSPB 4 NUT-HEXNYLK, FLG. 375"-16 ZP 16 NUT-HEXNYLK, FLG. 375"-16 ZP 17 SHOULDER 3/4 X.2.5 36 NUT LOCK 5/8-11 THIN 36 SOLT SHOULDER 3/4 X.2.5 36 NUT LOCK 5/8-11 THIN 37 BUSHING PIVOT 38 BOLT SHOULDER 3/4 X.2.5 38 BOLT SHOULDER 3/4 X.2.5 38 BOLT CARRIAGE 3/8-16 X.1.75" 39 SOLT CARRIAGE 3/8-16 X.1.75" 30 SOLT CARRIAGE 3/8-16 X.1.75" 31 SUSHING PIVOT 38 SOLT CARRIAGE 3/8-16 X.1.75" 31 SOLT CARRIAGE 3/8-16 X.1.75" 32 SOLT CARRIAGE 3/8-16 X.1.75" 31 SOLT CARRIAGE 3/8-16 X.1.75" 32 SOLT CARRIAGE 3/8-16 X.1.75" 33 SOLT CARRIAGE 3/8-16 X.1.75" 34 SOLT CARRIAGE 3/8-16 X.1.75" 35 SOLT CARRIAGE 3/8-16 X.1.75" 36 SOLT CARRIAGE 3/8-16 X.1.75 SOLT CARRIAGE 3/8-1		EDAME ASSEMBLY WAS AE402		1
3 COVER, DRINE UNIVERSAL AE401  9 WASHER 5/16 FENDER  8172020  2 16 NUT-HEX-NYLK, FLG. 375"-16 ZP  8166003  8 34 TUBE FRONT BUMPER  360329  1 35 BOLT SHOULDER 3/4 x 2.5  36 NUT LOCK 5/8-11 THIN  8161046  2 37 BUSHING PIVOT  360183  4 BOLT CARRIAGE 3/8-16 x 1.75"  8024061  8 39 COTTER PIN  8197031  4 BRACKET LIFT LINK  360246  2 PLATE LINKAGE RH LONG WA AE  360327  1 JAMES AREA BROOMS AS				
9 WASHER 5/16 FENDER 16 NUT-HEX-NYLK, FLG 375"-16 ZP 16 SOLT SHOULDER 3/4 x 2.5 34 TUBE FRONT BUMPER 36 SOLT SHOULDER 3/4 x 2.5 35 BOLT SHOULDER 3/4 x 2.5 36 NUT LOCK 5/8-11 THIN 36 161046 2 37 BUSHING PIVOT 38 BOLT CARRIAGE 3/8-16 x 1.75" 8024061 8 39 COTTER PIN 40 BRACKET LIFT LINK 41 PLATE LINKAGE RH LONG WA AE 41 PLATE LINKAGE RH LONG WA AE 42 PLATE LINKAGE RH LONG WA AE 43 WASHER FLAT 3/8 SAE 41 RODO JIFT 48 HANDLE UPPER AE 50 NUT-HEX-NYLK, FLG 3125"-18 ZP 48 HANDLE LIFT 50 CLEVIS PIN 3/8" X 1.625 51 CLEVIS PIN 3/8" X 1.625 52 HANDLE LIFT 55 CABLE CLUTCH ASSY 56 BUMPER RECESS 58 BUMPER RECESS 58 BUMPER RECESS 58 BUMPER REAR 59 JAM SA SOL SA				
16				
34 TUBE FRONT BUMPER 35 BOLT SHOULDER 3/4 x 2.5 36 NUT LOCK 5/8-11 THIN 36 NUT LOCK 5/8-11 THIN 37 BUSHING PIVOT 38 BOLT CARRIAGE 3/8-16 x 1.75" 8024061 8 39 COTTER PIN 40 BRACKET LIFT LINK 41 PLATE LINKAGE RH LONG WA AE 41 PLATE LINKAGE RH LONG WA AE 42 PLATE LINKAGE RH LONG WA AE 43 WASHER FLAT 3/8 SAE 45 SPRING EXTENSION 46 ROD LIFT 47 BANDLE LIPT 48 HANDLE UPPER AE 50 LEVIS PIN 3/8" X 1.625 51 ANDLE LIFT 52 CARRIAGE 3/8 1.625 53 CLEVIS PIN 3/8" X 1.625 54 BAL CLUTCH 55 CABLE CLUTCH ASSY 56 BUMPER RECESS 57 BUMPER RECESS 58 BUMPER RECESS 58 BUMPER RECESS 59 LARNDLE LOWE WA 59 LABEL LANK INSTRUCTIONS AE 50 LABEL LANK INSTRUCTIONS AE 50 LABEL LOWER WA 50 LABEL LOWER WA 50 LABEL LOWER WA 50 SO267 51 LABEL LARK INSTRUCTIONS AE 51 LABEL LABEL LIFT BOOL SASY 52 LABLE LOWER WA 59 LABLE LOWER WA 59 SO321 59 LABLE LOWER WA 50 LABLE WARNING WEIGHT 50 SO18 A 50 LABLE WARNING WEIGHT 50 SO18 A 51 LABEL WARNING WEIGHT 51 LABEL WARNING WEIGHT 52 BOLT SHOULDER 3/8 x 1" 59 BOLT SHOULDER 3/8 x 1" 50 BOLT SHOULDER 3/8 x 1" 51 BOLT SHOULDER 3/8 x 1" 52 BOLT SHOULDER 3/8 x 2" 54 BOLT SHOULDER 3/8 x 1" 55 BOLT SHOULDER 3/8 x 2" 56 BOLT SHOULDER 3/8 x 1" 57 BUSHING SHOULDER 3/8 x 1" 58 BUSHING SHOULDER 3/8 x 1" 59 SCREW CAP 1/4 - 2 0 x 1 1/2" 50 BOLT SHOULDER 3/8 x 2" 51 BOLT SHOULDER 3/8 x 1" 52 BOLT SHOULDER 3/8 x 1" 53 BOLT SHOULDER 3/8 x 1" 54 BOLT SHOULDER 3/8 x 1" 55 BOLT SHOULDER 3/8 x 1" 56 BOLT SHOULDER 3/8 x 1" 57 BOLT SHOULDER 3/8 x 2" 58 BOLT SHOULDER 3/8 x 1" 59 BOLT SHOULDER 3/8 x 2" 50 BOLT SHOULDER 3/8 x 1" 50 BOLT SHOULDER 3/8 x				
35 BOLT SHOULDER 3/4 x 2.5 300146 2 36 NUT LOCK 5/8-11 THIN 8161046 2 37 BUSHING PIVOT 360183 4 38 BOLT CARRIAGE 3/8-16 x 1.75" 8024061 8 39 COTTER PIN 8197031 4 40 BRACKET LIFT LINK 360246 2 41 PLATE LINKAGE RH LONG WA AE 360328 1 42 PLATE LINKAGE RH LONG WA AE 360327 1 43 WASHER FLAT 3/8 SAE 8172009 1/2 45 SPRING EXTENSION 360154 2 46 ROD LIFT 360330 2 47 BANDLE UPPER AE 350375 1 50 NUT-HEX-NYLK, FLG .3125"-18 ZP 8165002 8 51 CLEVIS PIN 3/8" X 1.625 520179 2 52 HANDLE LIFT 360296 1 53 CLEVIS PIN 3/8" X 1.625 520179 2 54 BAIL CLUTCH ASSY 360313 1 55 CABLE CLUTCH ASSY 360313 1 56 BUMPER RECESS 360296 2 57 WASHER 1/4 SAE 8172007 4 58 BUMPER RECESS 360296 2 58 TY-WRAP 900407 8 59 LABEL TANK INSTRUCTIONS AE 360255 1 80 LABEL WARNING WEIGHT 360187 4 84 LABEL LIFT HERE 360187 4 85 LABEL WARNING WEIGHT 360188 2 86 FRAME REAR WA 360326 1 87 NUT FLANGE 1/4-20 900453 4 87 NUT FLANGE 1/4-20 900453 4 91 TIRE & WHEEL 8" ASSY 360153 2 97 BUSHING SHOULDER 3/8 X 2" 360153 2 98 NUT-HEX-NYLK, FLG .50" CPP 8165001 1 100 HARNESS WIRE AE 360150 1 101 BRACKET MOULDER 3/8 X 2" 360153 2 102 SCREW CAP 1/4 - 20 x 1 1/2" 8041009 1 103 CLEVIS PIN 3/8" CPP 8165002 1 104 CLUTCH LABEL 1 105 SOLUTION SHILL THE 81 360187 4 105 CAPACH ACT AND THE SHILL THE 81 360187 4 106 CLEVIS PIN 3/8" X 2" 360153 2 107 BUSHING SHOULDER 3/8 X 2" 360153 2 107 BUSHING SHOULDER 3/8 X 2" 360153 2 108 SCREW CAP 1/4 - 20 x 1 1/2" 8041009 1 109 CAPACHTER BE ASSY 360334 2 100 CAPACHTER BE ASSY 360336 1 101 BRACKET MOUNT SWITCH 430141 1 102 SWITCH ON-OFF 500281 1 103 NUT - PAL 3/8 360298 2 111 WASHER - EXTENSION 8160293 1 112 LABEL MADE IN U.S.A. 520116 1 125 LABEL MADE IN U.S.A. 520116 1 126 SCREW CAP 1/4"-20				
37 BUSHING PIVOT 38 BOLT CARRIAGE 3/8-16 x 1.75" 39 COTTER PIN 319 COTTER PIN 40 BRACKET LIFT LINK 3602466 41 PLATE LINKAGE RH LONG WA AE 360327 42 PLATE LINKAGE RH LONG WA AE 360327 43 WASHER FLAT 3/8 SAE 44 PLATE LINKAGE LH LONG WA AE 360327 45 SPRING EXTENSION 360154 46 ROD LIFT 360330 47 BARNOLE UPPER AE 360327 48 HANDLE UPPER AE 360325 50 NUT-HEX-NYLK, FLG .3125"-18 ZP 51 ABALL CLUTCH 350375 51 CLEWS PIN 3/8" X 1.625 52 HANDLE LIFT 55 CABLE CLUTCH ASSY 360313 51 BALL CLUTCH 350374 52 CARRIAGE BOLT 5/16-18X1.75 53 ROLE RESESS 360298 54 BALL CLUTCH 55 CABLE CLUTCH ASSY 360313 57 BALL CLUTCH 37 BALL CLUTCH 37 BALL CLUTCH 38 BA	35			2
38   BOLT CARRIAGE 3/8-16 x 1.75"   8024061   8     39   COTTER PIN   8197031   4     40   BRACKET LIFT LINK   360246   2     41   PLATE LINKAGE RH LONG WA AE   360328   1     42   PLATE LINKAGE RH LONG WA AE   360328   1     43   WASHER FLAT 3/8 SAE   8172009   12     45   SPRING EXTENSION   360154   2     46   ROD LIFT   360330   2     48   HANDLE UPPER AE   350375   1     50   NUT-HEX-NYLK, FLG .3125"-18 ZP   8165002   8     52   HANDLE LIFT   360296   1     53   CLEVIS PIN 3/8" X 1.625   520119   2     54   BAIL CLUTCH   350374   1     55   CABLE CLUTCH ASSY   360374   1     56   CABLE CLUTCH ASSY   360374   1     57   CABLE ALIAN STRUCTIONS AE   8172007   4     68   TY-WRAP   900407   8     72   CARRIAGE BOLT 5/16-18X1.75   8024043   2     78   WASHER 1/4 SAE   8172007   4     48   LABEL LIFT HERE   360187   4     485   LABEL WARNING WEIGHT   360188   2     49   LABEL LIFT HERE   360187   4     40   ABEL LIFT HERE   360187   4     40   ABEL LIFT HERE   360187   4     40   ABEL LIFT HERE   360163   4     41   ABEL LIFT HERE   360163   4     42   ABEL LIFT HERE   360163   4     43   ABEL LIFT HERE   360163   4     44   ABEL LIFT HERE   360187   4     45   LABEL WARNING WEIGHT   360188   2     59   BOLT SHOULDER 3/8 x 2"   360153   2     97   BUSHING SHOULDER 3/8 x 2"   360153   2     97   BUSHING SHOULDER 3/8 x 2"   360153   2     97   BUSHING SHOULDER 3/8 x 2"   360153   2     99   SCREW CAP 1/4 - 20 x 1 1/2"   8041009   1     100   HARNESS WIRE AE   360316   1     101   BRACKET MOUNT SWITCH   430141   1     102   SWITCH ON-OFF   500281   1     103   NUT - PAL 3/8   360293   1     104   CLUTCH LABEL   87 WALANYARD   360243   2     104   CLUTCH LABEL   87 WALANYARD   360243   2     105   NUT LOCK 5/16 - 18 THIN   8161041   4     107   PLASTIC LANYARD   360293   1     117   RETAINER 3/8"   360293   1     118   SCREW CAP 1/4" 20 x 1 1/2" HCS ZP   8041008   1    126   GRIP   400570   2    127   1/4 WASHER FLAT FENDER   8172019   1    138   SCREW CAP 1/4" 20 x 1 1/2" HCS ZP   8041008   1	36	NUT LOCK 5/8-11 THIN	8161046	2
39 COTTER PIN 40 BRACKET LIFT LINK 360246 2 41 PLATE LINKAGE RH LONG WA AE 360328 1 42 PLATE LINKAGE LH LONG WA AE 360327 1 43 WASHER FLAT 3/8 SAE 8172009 12 45 SPRING EXTENSION 360154 2 46 ROD LIFT 360330 2 48 HANDLE UPPER AE 350375 1 50 NUT-HEX-NYLK, FLG .3125"-18 ZP 51 HANDLE LIFT 360296 1 52 CLEVIS PIN 3/8" X 1.625 5 520119 2 53 CLEVIS PIN 3/8" X 1.625 5 520119 2 54 BAIL CLUTCH 350374 1 55 CABLE CLUTCH ASSY 360313 1 58 BUMPER RECESS 360298 2 68 T-Y-WRAP 909407 8 68 T-Y-WRAP 909407 8 72 CARRIAGE BOLT 5/16-18X1.75 8024043 2 78 WASHER 1/4 SAE 79 LABEL TANK INSTRUCTIONS AE 82 HANDLE LOWER WA 36025 1 84 LABEL LUFT HERE 360187 4 85 LABEL WARNING WEIGHT 360188 2 86 FRAME REAR WA 360267 1 91 TIRE & WHEEL B" ASSY 360334 2 93 BOLT SHOULDER 3/8 X2" 93 BOLT SHOULDER 3/8 X2" 95 BOLT SHOULDER 3/8 X2" 96 BOLT SHOULDER 3/8 X2" 97 BUSHING SHOULDER NYLON 3/8 ID 101 BRACKET MOUNT SWITCH 101 BRACKET MOUNT SWITCH 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 NUT - PAL 3/8 105 NUT - PAL 3/8 106 CLUTCH LABEL 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 NUT - PAL 3/8 104 CLUTCH LABEL 105 SWITCH ON-OFF 107 SWITCH ASSON 1 108 SHOULDER NYLON 3/8 ID 109 CAP WENTER RELE 1 100 CAP WENTER RELE 1 101 BRACKET MOUNT SWITCH 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 SHOULDER NYLON 3/8 ID 104 CLUTCH LABEL 105 SWITCH ON-OFF 106 SWITCH ON-OFF 107 SWITCH ON-OFF 108 SHOULDER 3/8 X2" 109 CAP WENTER RELE 3/8" 360243 2 100 CAP WENTER RELE 3/8" 360243 2 101 SCREW CAP 1/4 - 20 X 1 1/2" 8041009 1 101 BRACKET MOUNT SWITCH 110 SCREW SELF TAP 1/4 - 20 X 5/8" 111 WASHER - EXTENSION 111 WASHER - EXTENSION 112 SWITCH ON-OFF 113 SOLT SHOULDER 3/8 X 1 1/4" 360293 1 117 RETAINER 3/8" 360293 1 118 LABEL LOGO CIRCLE 3.5" 100387 1 126 GRIP 127 1/4 WASHER FLAT FENDER 81720 FD SWITCH SITCH SITCH SITCH SITCH SITCH SITCH S	37	BUSHING PIVOT	360183	4
40 BRACKET LIFT LINK  3603246 2 41 PLATE LINKAGE RH LONG WA AE 360328 1 42 PLATE LINKAGE RH LONG WA AE 360327 1 43 WASHER FLAT 3/8 SAE 8172009 12 45 SPRING EXTENSION 360154 2 46 ROD LIFT 360330 2 48 HANDLE UPPER AE 350375 1 50 NUT-HEX-NYLK, FLG .3125"-18 ZP 8165002 8 52 HANDLE LIFT 360296 1 53 CLEWIS PIN 3/8" X 1.625 520119 2 54 BAIL CLUTCH 350374 1 55 CABLE CLUTCH 350313 1 58 BUMPER RECESS 360298 2 59 CARLAGE BOLT 5/16-18X1.75 8024043 2 78 WASHER 1/4 SAE 79 LABEL TANK INSTRUCTIONS AE 82 HANDLE LOWER WA 360321 2 84 LABEL LIFT HERE 360187 4 85 LABEL WARNING WEIGHT 360188 2 86 FRAME REAR WA 360267 1 87 NUT FLANGE 1/4-20 91 BUSHING SHOULDER NYL ON 3/8 ID 92 SCREW CAP 1/4 - 20 x 1 1/2" 8041109 110 DARSTOLD HANDLE 100 SAPE WASHER 1/4 101 SORGEN SHOULDER NYL ON 3/8 ID 102 SWITCH ON-OFF 103 WASHER LABEL 104 SABEL 105 NUT - PAL 3/8 106 SABEL 106 SABEL 107 SABEL 108 SORGEN SABEL 109 SCREW CAP 1/4 - 20 x 1 1/2" 8041109 1 100 HARNESS WIRE AF 110 SORGEN SABEL 111 SPECIAL SABEL 112 SWITCH ON-OFF 101 SWITCH ON-OFF 102 SWITCH ON-OFF 103 SORGEN SABEL 113 PLUG DRAIN I" 104 SORGEN SABEL 115 SORGEN SABEL 116 SORGEN SABEL 117 SABEL 118 SORGEN SABEL 119 SORGEN SABEL 110 SORGEN SABEL 110 SORGEN SABEL 111 SABEL WASHICH 110 SORGEN SABEL 111 SABEL 111 SABEL SABEL 112 SORGEN SABEL 113 PLUG DRAIN I" 104 SORGEN SABEL 115 SORGEN SABEL 116 SORGEN SABEL 117 SABEL 118 SORGEN SABEL 119 SORGEN SABEL 110 SORGEN SABEL 111 SABEL 111 SABEL SABEL 111 SABEL LABEL 111 SABEL SABEL 112 SABEL 113 SORGEN SABEL 114 SABEL 115 SORGEN SABEL 115 SORGEN SABEL 116 SORGEN SABEL 117 SABEL 118 SORGEN SABEL 119 SORGEN SABEL 110 SORGEN SABEL 111 SABEL LOGO CIRCLE 3.5" 100387 1 115 LABEL LOGO CIRCLE 3.5" 100387 1 116 SORGEN SABEL 117 SABEL LOGO CIRCLE 3.5" 100387 1 117 RETAINER SABEL 113 SOLDT SHOULDER SAB X 1 1/4" 360284 2 124 LABEL LABEL BADGING 360395 1 125 LABEL LOGO CIRCLE 3.5" 100387 1 126 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 113 SOLDT SHOULDER SABEL 113 SOLDT SHOUL	38		8024061	8
41 PLATE LINKAGE RH LONG WA AE 360328 1 42 PLATE LINKAGE LH LONG WA AE 360327 1 43 WASHER FLAT 3/8 SAE 817209 12 45 SPRING EXTENSION 360154 2 46 ROD LIFT 360330 2 48 HANDLE UPPER AE 350375 1 50 NUT-HEX-NYLK, FLG. 3125"-18 ZP 8165002 8 52 HANDLE LIFT 360296 1 53 CLEMS PIN 3/8" X 1.625 520119 2 54 BAIL CUTCH 55 CABLE CLUTCH ASSY 360313 1 55 BUMPER RECESS 360313 1 58 BUMPER RECESS 360313 1 72 CARRIAGE BOLT 5/16-18X1.75 8624043 2 73 WASHER 1/4 SAE 8172007 4 74 LABEL TANK INSTRUCTIONS AE 82 HANDLE LOWER WA 85 LABEL LIFT HERE 86 FRAME REAR WA 86 FRAME REAR WA 87 NUT FLANGE 1/4-20 900453 4 87 NUT FLANGE 1/4-20 900453 4 91 TIRE & WHELE & "ASSY" 96 BOLT SHOULDER 3/8 x 2" 97 BUSHING SHOULDER 3/8 x 2" 97 BUSHING SHOULDER 3/8 x 2" 98 BOLT SHOULDER 3/8 x 2" 99 SCREW CAP 1/4 - 20 x 1 1/2" 100 HARNESS WIRE AF 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 BRACKET MOUNT SWITCH 104 BRACKET MOUNT SWITCH 105 SWITCH ON-OFF 106 SWITCH ON-OFF 107 BRACKET MOUNT SWITCH 107 SWITCH ON-OFF 108 SWITCH ON-OFF 109 CAP VENTED BROOK SWITCH 101 BRACKET MOUNT SWITCH 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 SWITCH ON-OFF 104 SWITCH ON-OFF 105 SWITCH ON-OFF 106 SWITCH ON-OFF 107 BUSHING SHOULDER 3/8 X 2" 109 CAP VENTED BELT SHOULDER 3/8 X 2" 100 CAP VENTED BELT SHOULDER 3/8 X 2" 101 CLOTCH LABEL 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 SWITCH ON-OFF 104 SWITCH ON-OFF 105 SWITCH ON-OFF 106 SWITCH ON-OFF 107 SWITCH ON-OFF 108 SWITCH ON-OFF 109 SCREW CAP 1/4 - 20 x 1 1/2" 100 CAP VENTED RE CH3.5" WILANYARD 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 SWITCH ON-OFF 110 SWITCH ON-OFF 111 WASHER FLAT FENDER 111 WASHER FLAT FENDER 112 SWOOTS AND SWITCH 113 PLUG DRAIN 1" 114 WASHER FLAT FENDER 115 LOOP FOLDING HANDLE 116 LOOP FOLDING HANDLE 117 SECOND SWITCH 118 SWOOTS AND SWITCH 119 SWOOTS AND SWITCH 110 SWITCH ON-OFF 110 SWOOTS AND SWITCH 111 SWOOTS AND SWITCH 112 SWOOTS AND SWITCH 113 SWOOTS AND SWITCH 114 WASHER FLAT FENDER 115 LABEL	39	COTTER PIN	8197031	4
42 PLATE LINKAGE LH LONG WA AE  43 WASHER FLAT 3/8 SAE  45 SPRING EXTENSION  46 ROD LIFT  46 ROD LIFT  360330  2 AB HANDLE UPPER AE  350375  50 NUT-HEX-NYLK, FLG .3125"-18 ZP  8165002  8 165002  8 17 SAMPLE LIFT  360296  52 HANDLE LIFT  360396  53 CLEMS PIN 3/8" X 1.625  54 BAIL CLUTCH  350374  55 CABLE CLUTCH 350313  58 BUMPER RECESS  360298  68 TY-WRAP  72 CARRIAGE BOLT 5/16-18X1.75  8024043  73 WASHER 1/4 SAE  41 LABEL LIFT HERE  360187  84 LABEL LIFT HERE  360187  85 LABEL WARNING WEIGHT  360343  86 FRAME REAR WA  360321  87 NUT FLANGE 1/4-20  91 TIRE & WHEEL 8"ASSY  93 BOLT SHOULDER 3/8 X1"  360153  93 BOLT SHOULDER 3/8 X2"  360316  80 NUT-HEX-NYLK, FLG .250"-20 ZP  80 SCREW CAP 1/4 - 20 X1 1/2"  100 HARNESS WIRE AF  101 SCREW CAP 1/4 - 20 X1 1/2"  101 BRACKET MOUNTS WILL AND SOUR ARD  102 SWITCH ON-OFF  103 SOURS AND SOUR AND  104 WASHER 1/4 SB HIND  105 SCREW CAP 1/4 - 20 X1 1/2"  106 CAP YENTED SOUR AND  107 PLASTIC LANYARD  108 SCREW CAP 1/4 - 20 X1 1/2"  109 CAP YENTED SOUR AND  110 SCREW CAP 1/4 - 20 X1 1/2"  100 CAP YENTED SOUR AND  111 WASHER 1/4 SI THIN  110 SCREW CAP 1/4 - 20 X1 1/2"  111 WASHER 1/4 SI THIN  111 WASHER 1/4 SI THIN  112 SOURCH AND  113 PLUG DRAIN 1"  360243  2 114 WASHER 1/4 SI THIN  360241  2 125 LABEL WARDING  360243  2 126 GRIP  400570  40 CAP YENTED SOURCH  400570  41 TIRE & BADGING  40 COLUTCH LABEL  40 SOURCH AND AND  41 SOURCH  41 SOURCH  41 SOURCH  42 SOURCH  430141  41 SOURCH  430141  41 SACORDH  44 SOURCH  45 SOURCH  46 SOURCH  47 SOURCH  47 SOURCH  48 STENDER  48 SOURCH  49 SOURCH  49 SOURCH  40			360246	2
43 WASHER FLAT 3/8 SAE 45 SPRING EXTENSION 360154 2 46 ROD LIFT 360330 2 48 HANDLE UPPER AE 50 NUT-HEX-NYLK, FLG .3125"-18 ZP 8165002 8 52 HANDLE LIFT 360296 1 53 CLEVS PIN 3/8" X 1.625 54 BAIL CLUTCH 350374 1 55 CABLE CLUTCH ASSY 360313 1 58 BUMPER RECESS 360298 2 68 TY-WRAP 72 CARRIAGE BOLT 5/16-18X1.75 8024043 2 78 WASHER 1/4 SAE 8172007 4 79 LABEL TANK INSTRUCTIONS AE 82 HANDLE LOWER WA 85 LABEL LIFT HERE 360187 85 LABEL WARNING WEIGHT 86 FRAME REAR WA 360321 87 NUT FLANGE 1/4-20 90 JO453 87 NUT FLANGE 1/4-20 91 TIRE 8 WHEEL 8" ASSY 93 BOLT SHOULDER 3/8 x1" 95 BOLT SHOULDER 3/8 x1" 96 BOLT SHOULDER 3/8 x1" 97 BUSHING SHOULDER NYLON 3/8 ID 98 NUT-HEX-NYLK, FLG .250"-20 ZP 99 SCREW CAP 1/4 - 20 x 1 1/2" 100 HARNESS WIRE AF 101 BRACKET MOUNT SWITCH 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 SMOO25 11 BRACKET MOUNT SWITCH 103 NUT - PAL 3/6 104 CLUTCH LABEL 117 HERE 105 SAG0316 11 BRACKET MOUNT SWITCH 107 SAG0318 11 SAG0218 12 SAG0316 11 BRACKET MOUNT SWITCH 108 SAG0293 11 PLUS SWITCH ASON 360218 11 SAG0218 12 SWITCH ON-OFF 109 CAPVENTED REC OF 18 SAG0293 11 PLUS DRACKET MOUNT SWITCH 100 CLUTCH LABEL 110 SGREW SELF TAP 1/4-20 x 5/8" 111 SAG0293 11 SAG0293 11 SAG0293 11 PLUS DRACKET SAGO293 11 SAG0293 11				
46 ROD LIFT 360330 2 48 HANDLE UPPER AE 350375 1 50 NUT-HEX-NYLK, FLG. 3125"-18 ZP 8165002 8 52 HANDLE LIFT 360296 1 53 CLEVIS PIN 3/8" X 1.625 5201 f9 54 BAIL CLUTCH 350374 1 55 CABLE CLUTCHASSY 360313 1 58 BUMPER RECESS 360298 2 72 CARRIAGE BOLT 5/16-18X1.75 8024043 2 78 WASHER 1/4 SAE 79 LABEL TANK INSTRUCTIONS AE 81 HANDLE LOWER WA 82 HANDLE LOWER WA 83 S6025 1 84 LABEL LIFT HERE 360187 4 85 LABEL WARNING WEIGHT 360188 2 91 TIRE & WHEEL 8" ASSY 91 BOLT SHOULDER 3/8 x 1" 95 BOLT SHOULDER 3/8 x 1" 95 BOLT SHOULDER 3/8 x 1" 96 BOLT SHOULDER NYLON 3/8 ID 360153 2 97 BUSHING SHOULDER NYLON 3/8 ID 360165 2 99 SCREW CAP 1/4 - 20 x 1 1/2" 100 HARNESS WIRE AF 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 SOCIETY 104 CLUTCH LABEL 105 CLUTCH LABEL 106 CLUTCH LABEL 107 CLUTCH LABEL 108 CLUTCH LABEL 109 CAPVENTED HER SHOULDER 3/8 x 1" 100 HARNESS WIRE AF 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 SOCIETY 104 CLUTCH LABEL 105 CLUTCH LABEL 106 CLUTCH LABEL 107 CLUTCH LABEL 108 CLUTCH LABEL 109 CAPVENTED HE CH 3/5 WILANYARD WATER 109 CAPVENTED HE CH 3/5 WILANYARD WATER 110 SQREW SELF TAP 1/4-20 x 5/8" 111 WASHER - EXTENSION 112 CLUTCH LABEL 113 PLUG DRAIN 1" 114 WASHER - EXTENSION 115 LABEL LOOP FOLDING HANDLE 116 COOP FOLDING HANDLE 117 RETAINER 3/8" 126 GRIP 127 LAW WASHER FLAT FENDER 127 LAW SHOULD IN SA 128 SCREW CAP 1/4"-20 x 5/8" 116 LOOP FOLDING HANDLE 127 LAW SHER FLAT FENDER 128 SCREW CAP 1/4"-20 X 1 1/4" 129 LABEL LOOP FOLDING HANDLE 120 CAPVENTED REDEATS 1 1/4" 121 LABEL LOOP FOLDING HANDLE 122 CARRIAGE 123 BOLT SHOULDER 3/8 X 1 1/4" 124 LABEL LOOP CIRCLE 3.5" 110 LABEL AE BADGING 125 CARLER FLAT FENDER 111 WASHER - EXTENSION 112 LABEL LOOP CIRCLE 3.5" 113 PLUG GRIP 124 CAPVENTED REDEATS 1 1/4" 125 LABEL LOOP CIRCLE 3.5" 116 LOOP FOLDING HANDLE 127 LAW WASHER FLAT FENDER 117 LABEL LOOP CIRCLE 3.5" 118 LOOP FOLDING HANDLE 126 GRIP 127 LAW WASHER FLAT FENDER 118 LOOP FOLDING HANDLE 127 LABEL AE BADGING 128 SCREW CAP 1/4"-20 X 1 1/2" HCS ZP 118 BADL AE BADGING 119 LABEL AEBLE BADGING 129 SCREW CAP 1/4"-20 X 1				
48 HANDLE UPPER AE 350375 1 350375 1 350375 1 350375 1 360330 2 48 HANDLE UPPER AE 50 NUT-HEX-NYLK, FLG .3125"-18 ZP 51 GLEVIS PIN 3/8" X 1.625 52 HANDLE LIFT 53 60296 54 BAIL CLUTCH 55 CABLE CLUTCH ASSY 56 BUMPER RECESS 58 360298 68 TY-WRAP 72 CARRIAGE BOLT 5/16-18X1.75 78 WASHER 1/4 SAE 79 LABEL TANK INSTRUCTIONS AE 80 HANDLE LOWER WA 81 LABEL LIFT HERE 86 FRAME REAR WA 86 FRAME REAR WA 86 FRAME REAR WA 86 FRAME REAR WA 91 TIRE & WHEEL 8" ASSY 93 BOLT SHOULDER 3/8 X1" 95 BOLT SHOULDER 3/8 X2" 96 BOLT SHOULDER 3/8 X2" 97 BUSHING SHOULDER NYLON 3/8 ID 98 NUT-HEX-NYLK, FLG .250"-20 XP 99 SCREW CAP 1/4 - 20 X 1 1/2" 100 HARNESS WIRE AE 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 NUT - PAL 3/8 104 CLUTCH LABEL 105 NUT LONG 1/4 - 10 THIN 1/4 1 1 102 SWITCH ON-OFF 104 CLUTCH LABEL 105 NUT LONG 1/4 - 10 THIN 1/4 1 1 107 PLASTIC LANYARD 118 CAPPARD 119 CAPPARD 110 CAPPARD 110 CAPPARD 111 RETAINS AB 111 WASHER - EXTENSION 111 PLUG DRAIN 1" 112 SORGEN SELF THIN 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
48				
50 NUT-HEX-NYLK, FLG.3125"-18 ZP 52 HANDLE LIFT 53 CLEWS PIN 3/8" X 1.625 52 19 2 54 BAIL CLUTCH 55 CABLE CLUTCH ASSY 56 BUMPER RECESS 57 360298 58 SUMPER RECESS 58 S0298 59 2 68 TY-WRAP 50 CARLINGE BOLT 5/16-18X1.75 50 CABLE CLUTCH ASSY 51 8024943 52 CARRIAGE BOLT 5/16-18X1.75 58 SUMPER RECESS 58 S0298 59 2 60 TY-WRAP 60 SO298 61 TY-WRAP 61 SO298 62 SO298 63 TY-WRAP 64 S0298 64 STY-WRAP 65 S0298 65 SO298 66 STY-WRAP 67 S0298 66 STY-WRAP 67 S0298 67 S0298 68 STY-WRAP 69 S0298 69 S0298 60 STY-WRAP 60 S0298 60 S0298 61 S0298 62 S0298 63 S0298 62 S0298 63 S0298 64 S0298 65 S0298 66 S0298 67 S0298 68 S0298 69 S0298 68 S0298 69 S0298 69 S0298 69 S0298 60 S0				
52         HANDLE LIFT         360296         1           53         CLEVIS PIN 3/8" X 1.625         520119         2           54         BAIL CLUTCH         350874         1           55         CABLE CLUTCH ASSY         360313         1           58         BUMPER RECESS         360298         2           68         TY-WRAP         900407         8           72         CARRIAGE BOLT 5/16-18X1.75         8024043         2           79         LABEL TANK INSTRUCTIONS AE         860025         1           82         HANDLE LOWER WA         360321         2           84         LABEL LIFT HERE         360187         4           85         LABEL WARNING WEIGHT         360188         2           86         FRAME REAR WA         360267         1           87         NUT FLANGE 1/4-20         900453         4           91         TIRE & WHEEL 8" ASSY         360134         2           93         BOLT SHOULDER 3/8 x 1"         360152         2           97         BUSHING SHOULDER NYLON 3/8 ID         360153         2           97         BUSHING SHOULDER NYLON 3/8 ID         360175         8           98				
53 CLEMS PIN 3/8" X 1.625 54 BAIL CLUTCH 55 CABLE CLUTCH ASSY 360313 1 58 BUMPER RECESS 380298 2 68 TY-WRAP 72 CARRIAGE BOLT 5/16-18X1.75 8024043 2 78 WASHER 1/4 SAE 8172007 4 179 LABEL TANK INSTRUCTIONS AE 82 HANDLE LOWER WA 85 LABEL WARNING WEIGHT 86 FRAME REAR WA 86 FRAME REAR WA 87 NUT FLANGE 1/4-20 90 345 91 TIRE & WHEEL & 360187 91 TIRE & WHEEL & 360187 92 BOLT SHOULDER 3/8 x 1" 93 BOLT SHOULDER 3/8 x 2" 94 BUSHING SHOULDER NYL ON 3/8 ID 95 SCREW CAP 1/4 - 20 x 1 1/2" 100 HARNESS WIRE AE 101 SWITCH ON-OFF 102 SWITCH ON-OFF 103 SWITCH ON-OFF 103 SWITCH ON-OFF 104 SCREW SAP 1/4 SAP 360218 105 CAP WEIGHT 106 SCREW CAP 1/4 - 1 THIN 1 SAP 36018 107 PLASTIC LANYARD 108 CAP WEIGHT 109 CAP WEIGHT 110 SGREW SELF TAP 1/4-20 X 1 80619 111 WASHER - EXTENSION 110 SGREW SELF TAP 1/4-20 X 1 8161041 111 WASHER - EXTENSION 111 RETAINER 3/8" 112 SGREW SELF TAP 1/4-20 X 5/8" 113 BOLTS HOULDER 3/8 X 1" 104 CLUTCH LABEL 105 SGREW SELF TAP 1/4-20 X 5/8" 110 SGREW SELF TAP 1/4-20 X 5/8" 111 WASHER - EXTENSION 111 RETAINER 3/8" 112 LABEL LABE LABE BADGING 113 LABEL LABEL LABEL BADGING 114 WASHER - EXTENSION 115 LABEL LABEL BADGING 116 CORPORDING HANDLE 117 RETAINER 3/8" 128 LABEL LABEL BADGING 118 LABEL MADE IN U.S.A 150 LABEL MADE IN U.S.A 150 LABEL MADE IN U.S.A 150 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 151 LABEL MADE IN U.S.A 155 LABEL MADE IN U.S.A 156 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 157 BOLT HANS BE 158 BOUTCOM TO HANS BE TAP 1/4-20 X 5/8" 159 BOLT SHOULDER 3/8 X 1 1/4" 150 CREW SELF TAP 1/4-20 X 5/8" 150 LABEL MADE IN U.S.A 150 LABE				
54 BAL CLUTCH 55 CABLE CLUTCH ASSY 56 CABLE CLUTCH ASSY 56 BUMPER RECESS 57 BUGANTA 58 CARRIAGE BOLT 5/16-18X1.75 58 24043 59 BU4043 50 BU4043 5			)	
55 CABLE CLUTCH ASSY 58 BUMPER RECESS 59 90407 872 CARRIAGE BOLT 5/16-18X1.75 8024043 2 78 WASHER 1/4 SAE 79 LABEL TANK INSTRUCTIONS AE 860025 81 HANDLE LOWER WA 800321 82 HANDLE LOWER WA 800321 84 LABEL LIFT HERE 860187 85 LABEL WARNING WEIGHT 86 FRAME REAR WA 86 FRAME REAR WA 87 NUT FLANGE 1/4-20 900453 91 TIRE & WHEEL & "ASSY 93 BOLT SHOULDER 3/8 x 1" 860152 95 BOLT SHOULDER 3/8 x 2" 97 BUSHING SHOULDER NYLON 3/8 ID 98 NUT-HEX-NYLK, FLG .250"-20 ZP 8165001 2 99 SCREW CAP 1/4 - 20 x 1 1/2" 8041009 1 100 HARNESS WIRE AF 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 SOUTH ON-OFF 104 CLUTCH LABEL 105 NUT LOCK 5/16 -18 THIN 107 PLASTIC LANYARD 108 CAP VENTED RELOTS. S" WILANYARD, WATER 110 SCREW SELF TAP 1/4-20 x 5/8" 111 WASHER - EXTENSION 112 BOLT SHOULDER 3/8 x 1 1/4" 103 BOLT SHOULDER 3/8 x 1 1/17 RETAINS 360293 1 117 RETAINS R 3/8 160293 1 117 RETAINS R 3/8 160293 1 117 RETAINS R 3/8 160294 123 BOLT SHOULDER 3/8 x 1 1/4" 360293 1 117 RETAINS R 3/8 160293 1 117 RETAINS R 3/8 160294 124 LABEL AE BADGING 125 CAPWEAP 1/4"-20 X 1 1/2" 3601085 3603095 1 126 GRIP 400570 2 127 1/4 WASHER FLAT FENDER 8172019 1 135 LABEL MADE IN U.S.A. 5001108 1				
58         BUMPER RECESS         360298         2           68         TY-WRAP         900407         8           72         CARRIAGE BOLT 5/16-18X1.75         8024043         2           78         WASHER 1/4 SAE         8172007         4           79         LABEL TANK INSTRUCTIONS AE         360025         1           82         HANDLE LOWER WA         360321         2           84         LABEL LIFT HERE         360187         4           85         LABEL WARNING WEIGHT         360188         2           86         FRAME REAR WA         360267         1           87         NUT FLANGE 1/4-20         900453         4           91         TIRE & WHEEL 8" ASSY         360334         2           93         BOLT SHOULDER 3/8 x 2"         360152         2           95         BOLT SHOULDER 3/8 x 2"         360153         2           97         BUSHING SHOULDER NYLON 3/8 ID         360175         8           98         NUT-HEX-NYLK, FLG .250"-20 ZP         8165001         2           99         SCREW CAP 1/4 - 20 x 1 1/2"         8041009         1           100         HARNESS WIRE AE         360316         1				
68         TY-WRAP         900407         8           72         CARRIAGE BOLT 5/16-18X1.75         8024043         2           78         WASHER 1/4 SAE         8172007         4           79         LABEL TANK INSTRUCTIONS AE         360025         1           82         HANDLE LOWER WA         360321         2           84         LABEL LIFT HERE         360187         4           85         LABEL WARNING WEIGHT         360188         2           86         FRAME REAR WA         360267         1           87         NUT FLANGE 1/4-20         900453         4           91         TIRE & WHEEL 8" ASSY         360334         2           93         BOLT SHOULDER 3/8 x1"         360152         2           95         BOLT SHOULDER 3/8 x2"         360153         2           97         BUSHING SHOULDER NYLON 3/8 ID         360175         8           98         NUT-HEX-NYLK, FLG .250"-20 ZP         8165001         2           99         SCREW CAP 1/4 - 20 x 1 1/2"         8041009         1           101         BRACKET MOUNT SWITCH         430141         1           102         SWITCH ON-OFF         500281         1      <				
72 CARRIAGE BOLT 5/16-18X1.75  78 WASHER 1/4 SAE  79 LABEL TANK INSTRUCTIONS AE  8172007 4  82 HANDLE LOWER WA  8360225 1  84 LABEL LIFT HERE  360187 4  85 LABEL WARNING WEIGHT  86 FRAME REAR WA  87 NUT FLANGE 1/4-20  91 TIRE & WHEEL 8" ASSY  93 BOLT SHOULDER 3/8 x 1"  95 BOLT SHOULDER 3/8 x 2"  97 BUSHING SHOULDER NYLON 3/8 ID  98 NUT-HEX-NYLK, FLG .250"-20 ZP  99 SCREW CAP 1/4 - 20 x 1 1/2"  100 HARNESS WIRE AF  101 BRACKET MOUNT SWITCH  102 SWITCH ON-OFF  103 NUT - PAL 3/8  104 CLUTCH LABEL  105 NUT LOCK 5/16 - 18 THIN  107 PLASTIC LANYARD  108 CAP WEIGHT SHOULDER 3/8 x 1"  108 GREW SELF TAP 1/4-20 x 5/8"  110 SGREW SELF TAP 1/4-20 x 5/8"  111 WASHER - EXTENSION  810287  124 LABEL AB BADGING  125 LABEL WASHER FLAT FENDER  126 GRIP  400570  2 174 WASHER FLAT FLATE  107 PLASTIC LANYARD  108 CAP WEIGHT SHOULDER 3/8 x 1 1/4"  109 CAP WEITEN RELCT 3.5" WILANYARD, WATER  109 CAP WEITEN RELCT 3.5" WILANYARD, WATER  110 SGREW SELF TAP 1/4-20 x 5/8"  111 WASHER - EXTENSION  112 GRIP  124 LABEL AB BADGING  125 LABEL MADE IN U.S.A.  126 GRIP  127 1/4 WASHER FLAT FENDER  136 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP  8041008  1				
78         WASHER 1/4 SAE         8172007         4           79         LABEL TANK INSTRUCTIONS AE         360025         1           82         HANDLE LOWER WA         360321         2           84         LABEL LIFT HERE         360187         4           85         LABEL WARNING WEIGHT         360188         2           86         FRAME REAR WA         360267         1           87         NUT FLANGE 1/4-20         90453         4           91         TIRE & WHEEL 8" ASSY         360334         2           93         BOLT SHOULDER 3/8 x 1"         360152         2           95         BOLT SHOULDER 3/8 x 2"         360153         2           97         BUSHING SHOULDER NYLON 3/8 ID         360175         8           98         NUT-HEX-NYLK, FLG .250"-20 ZP         8165001         2           99         SCREW CAP 1/4 - 20 x 1 1/2"         8041009         1           100         HARNESS WIRE AE         360316         1           101         BRACKET MOUNT SWITCH         430141         1           102         SWITCH ON-OFF         500281         1           103         NUT - PAL 3/8         360218         2				
79         LABEL TANK INSTRUCTIONS AE         360025         1           82         HANDLE LOWER WA         360321         2           84         LABEL LIFT HERE         360187         4           85         LABEL WARNING WEIGHT         360188         2           86         FRAME REAR WA         360267         1           87         NUT FLANGE 1/4-20         900453         4           91         TIRE & WHEEL 8" ASSY         360334         2           93         BOLT SHOULDER 3/8 x 1"         360152         2           95         BOLT SHOULDER 3/8 x 2"         360153         2           97         BUSHING SHOULDER NYLON 3/8 ID         360175         8           98         NUT-HEX-NYLK, FLG .250"-20 ZP         8165001         2           99         SCREW CAP 1/4 - 20 x 1 1/2"         8041009         1           100         HARNESS WIRE AE         360316         1           101         BRACKET MOUNT SWITCH         430141         1           102         SWITCH ON-OFF         500281         1           103         NUT - PAL 3/6         360218         2           104         CLUTCH L ABEL         830503         1				
82 HANDLE LOWER WA 84 LABEL LIFT HERE 85 LABEL WARNING WEIGHT 85 LABEL WARNING WEIGHT 86 FRAME REAR WA 86 FRAME REAR WA 87 NUT FLANGE 1/4-20 91 TIRE & WHEEL 8" ASSY 93 BOLT SHOULDER 3/8 x 1" 95 BOLT SHOULDER 3/8 x 2" 96 BOLT SHOULDER NYLON 3/8 ID 97 BUSHING SHOULDER NYLON 3/8 ID 98 NUT-HEX-NYLK, FLG .250"-20 ZP 99 SCREW CAP 1/4 - 20 x 1 1/2" 100 HARNESS WIRE AF 101 BRACKET MOUNT SWITCH 1102 SWITCH ON-OFF 1500281 103 NUT - PAL 3/8 104 CLUTCH LABEL 105 NUT LOCK 5/16 - 18 THIN 110 SCREW SELF TAP 1/4-20 x 5/8" 111 WASHER - EXTENSION 112 BOLT SHOULDER 3/8 x 1 1/4" 114 ABEL AE BADGING 115 LABEL MASHER FLAT FENDER 116 GRIP 117 ILABEL MASHER SHOULDER 118 LOOP FOLDING HANDLE 129 GRIP 140 GRIP 1500387 1100387 1110 SCREW SELF TAP 1/4-20 x 5/8" 1111 WASHER - EXTENSION 11126 GRIP 1127 1/4 WASHER FLAT FENDER 113 BOLT SHOULDER 3/8 x 1 1/4" 114 GRIP ASSENCE 115 LABEL LOGO CIRCLE 3.5" 116 COPPOLDING HANDLE 117 ILABEL AE BADGING 118 LOOP FOLDING HANDLE 119 CAPVENIED & S/8 x 1 1/4" 110 SCREW CAP 1/4"-20 X 1 1/2" HCS ZP 116 CORPOLING HANDLE 117 ILABEL AE BADGING 118 LABEL LOGO CIRCLE 3.5" 119 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 110 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 1116 CORPOLING HANDLE 117 ILABEL MADE IN U.S.A. 1520116 1 1536 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 1804453 1804453 180615				
84       LABEL LIFT HERE       360187       4         85       LABEL WARNING WEIGHT       360188       2         86       FRAME REAR WA       360267       1         87       NUT FLANGE 1/4-20       900453       4         91       TIRE & WHEEL 8" ASSY       360334       2         93       BOLT SHOULDER 3/8 x 2"       360152       2         95       BOLT SHOULDER 3/8 x 2"       360153       2         97       BUSHING SHOULDER NYLON 3/8 ID       360175       8         98       NUT-HEX-NYLK, FLG. 250"-20 ZP       8165001       2         99       SCREW CAP 1/4 - 20 x 1 1/2"       8041009       1         100       HARNESS WIRE AF       360316       1         101       BRACKET MOUNT SWITCH       430141       1         102       SWITCH ON-OFF       500281       1         103       NUT - PAL 3/8       360218       2         104       CLUTCH LABEL       830503       1         105       NUT LOCK 5/16 -18 THIN       8161041       4         107       PLASTIC LANYARD       360243       2         109       CAPYENTED KELCH 3.5" WLANYARD, WATER       3605514       1 <t< td=""><td></td><td></td><td></td><td></td></t<>				
85       LABEL WARNING WEIGHT       360188       2         86       FRAME REAR WA       360267       1         87       NUT FLANGE 1/4-20       900453       4         91       TIRE & WHEEL 8" ASSY       360334       2         93       BOLT SHOULDER 3/8 x 1"       360152       2         95       BOLT SHOULDER 3/8 x 2"       360153       2         97       BUSHING SHOULDER NYLON 3/8 ID       360175       8         98       NUT-HEX-NYLK, FLG.250"-20 ZP       8165001       2         99       SCREW CAP 1/4 - 20 x 1 1/2"       8041009       1         100       HARNESS WIRE AF       360316       1         101       BRACKET MOUNT SWITCH       430141       1         102       SWITCH ON-OFF       500281       1         103       NUT - PAL 3/8       360218       2         104       CLUTCH LABEL       830503       1         105       NUT LOCK 5/16 -18 THIN       8161041       4         107       PLASTIC LANYARD       360243       2         109       CAP VENTED RE CH3.5" W/LANYARD, WATER       360514       1         110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1	84			
87       NUT FLANGE 1/4-20       900453       4         91       TIRE & WHEEL 8" ASSY       360334       2         93       BOLT SHOULDER 3/8 x 1"       360152       2         95       BOLT SHOULDER 3/8 x 2"       360153       2         97       BUSHING SHOULDER NYLON 3/8 ID       360175       8         98       NUT-HEX-NYLK, FLG .250"-20 ZP       8165001       2         99       SCREW CAP 1/4 - 20 x 1 1/2"       8041009       1         100       HARNESS WIRE AF       360316       1         101       BRACKET MOUNT SWITCH       430141       1         102       SWITCH ON-OFF       500281       1         103       NUT - PAL 3/8       360218       2         104       CLUTCH LABEL       830503       1         105       NUT LOCK 5/16 - 18 THIN       8161041       4         107       PLASTIC LANYARD       360243       2         109       CAP VENTED KE CH 3.5" WILANYARD, WATER       360514       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2      <				2
91 TIRE & WHEEL 8" ASSY 93 BOLT SHOULDER 3/8 x 1" 95 BOLT SHOULDER 3/8 x 2" 97 BUSHING SHOULDER NYLON 3/8 ID 98 NUT-HEX-NYLK, FLG .250"-20 ZP 99 SCREW CAP 1/4 - 20 x 1 1/2" 100 HARNESS WIRE AF 101 BRACKET MOUNT SWITCH 102 SWITCH ON-OFF 103 NUT - PAL 3/8 104 CLUTCH LABEL 105 NUT LOCK 5/16 -18 THIN 106 CAP VENTED KELCH 3.5" W/LANYARD, WATER 110 SCREW SELF TAP 1/4-20 x 5/8" 111 WASHER - EXTENSION 112 BOLT SHOULDER 3/8 x 1 1/4" 114 LOP FOLDING HANDLE 115 LABEL AE BADGING 126 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 104 WASHER FLAT FENDER 126 BO41008 117 RETAINER 3/8" 126 GRIP 140 CAP WASHER FLAT FENDER 150 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 160 BO41008 11 BOLT SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 160 BOLT SHOULDER 3/5 U.S.A. 160 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 161 BOLT SHOULDER 171 BEL LOGO CIRCLE 3.5" 172 LABEL LAGE IN U.S.A. 173 LABEL MADE IN U.S.A. 174 BO41008 1	86	FRAME REAR WA	360267	1
93 BOLT SHOULDER 3/8 x 1" 360152 2 95 BOLT SHOULDER 3/8 x 2" 360153 2 97 BUSHING SHOULDER NYLON 3/8 ID 360175 8 98 NUT-HEX-NYLK, FLG .250"-20 ZP 8165001 2 99 SCREW CAP 1/4 - 20 x 1 1/2" 8041009 1 100 HARNESS WIRE AF 360316 1 101 BRACKET MOUNT SWITCH 430141 1 102 SWITCH ON-OFF 500281 1 103 NUT - PAL 3/8 360218 2 104 CLUTCH LABEL 830503 1 105 NUT LOCK 5/16 -18 THIN 8161041 4 107 PLASTIC LANYARD 360243 2 109 CAP VENTED RE CH 3.5" W/LANYARD, WATER 360514 1 110 SCREW SELF TAP 1/4-20 x 5/8" 890359 1 111 WASHER - EXTENSION 810652 2 113 PLUG DRAIN 1" 360293 1 117 RETAINER 3/8" 360279 2 118 LOOP FOLDING HANDLE 350138 2 123 BOLT SHOULDER 3/8 x 1 1/4" 360284 2 124 LABEL AE BADGING 360395 1 125 LABEL LOGO CIRCLE 3.5" 100387 1 126 GRIP 400570 2 127 1/4 WASHER FLAT FENDER 8172019 1 135 LABEL MADE IN U.S.A. 520116 1	87	NUT FLANGE 1/4-20	900453	4
95 BOLT SHOULDER 3/8 x 2" 97 BUSHING SHOULDER NYLON 3/8 ID 98 NUT-HEX-NYLK, FLG .250"-20 ZP 8165001 2 99 SCREW CAP 1/4 - 20 x 1 1/2" 8041009 1 100 HARNESS WIRE AF 101 BRACKET MOUNT SWITCH 430141 1 102 SWITCH ON-OFF 500281 1 103 NUT - PAL 3/8 104 CLUTCH LABEL 8305003 1 105 NUT LOCK 5/16 - 18 THIN 107 PLASTIC LANYARD 109 CAP VENTED RELCH 3.5" W/LANYARD, WATER 110 SCREW SELF TAP 1/4-20 x 5/8" 890359 1 111 WASHER - EXTENSION 810652 2 113 PLUG DRAIN 1" 360293 1 117 RETAINER 3/8" 360279 2 118 LOOP FOLDING HANDLE 3201387 1 126 GRIP 400570 2 127 1/4 WASHER FLAT FENDER 8172019 1 135 LABEL LOGO CIRCLE 3.5" 108 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 8041008 1	91	TIRE & WHEEL 8" ASSY	360334	2
97 BUSHING SHOULDER NYLON 3/8 ID 360175 8 98 NUT-HEX-NYLK, FLG .250"-20 ZP 8165001 2 99 SCREW CAP 1/4 - 20 x 1 1/2" 8041009 1 100 HARNESS WIRE AE 360316 1 101 BRACKET MOUNT SWITCH 430141 1 102 SWITCH ON-OFF 500281 1 103 NUT - PAL 3/8 360218 2 104 CLUTCH LABEL 830503 1 105 NUT LOCK 5/16 -18 THIN 8161041 4 107 PLASTIC LANYARD 360243 2 109 CAP VENTED RELCH 3.5" W/LANYARD, WATER 360514 1 110 SCREW SELF TAP 1/4-20 x 5/8" 890359 1 111 WASHER - EXTENSION 810652 2 113 PLUG DRAIN 1" 360293 1 117 RETAINER 3/8" 360279 2 118 LOOP FOLDING HANDLE 350138 2 123 BOLT SHOULDER 3/8 x 1 1/4" 360284 2 124 LABEL AE BADGING 360395 1 125 LABEL LOGO CIRCLE 3.5" 100387 1 126 GRIP 400570 2 127 1/4 WASHER FLAT FENDER 8172019 1 135 LABEL MADE IN U.S.A. 520116 1	93	BOLT SHOULDER 3/8 x 1"	360152	2
98 NUT-HEX-NYLK, FLG .250"-20 ZP 8165001 2 99 SCREW CAP 1/4 - 20 x 1 1/2" 8041009 1 100 HARNESS WIRE AE 360316 1 101 BRACKET MOUNT SWITCH 430141 1 102 SWITCH ON-OFF 500281 1 103 NUT - PAL 3/8 360218 2 104 CLUTCH LABEL 830503 1 105 NUT LOCK 5/16 -18 THIN 8161041 4 107 PLASTIC LANYARD 360243 2 109 CAPVENTED KE CH 3.5" W/LANYARD, WATER 360514 1 110 SCREW SELF TAP 1/4-20 x 5/8" 890359 1 111 WASHER - EXTENSION 810652 2 113 PLUG DRAIN 1" 360293 1 117 RETAINER 3/8" 360279 2 118 LOOP FOLDING HANDLE 350138 2 123 BOLT SHOULDER 3/8 x 1 1/4" 360284 2 124 LABEL AE BADGING 360395 1 125 CABEL ABEL LOGO CIRCLE 3.5" 100387 1 126 GRIP 400570 2 127 1/4 WASHER FLAT FENDER 8172019 1 135 LABEL MADE IN U.S.A 520116 1 136 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 8041008 1	95	BOLT SHOULDER 3/8 x 2"	360153	2
99 SCREW CAP 1/4 - 20 x 1 1/2" 8041009 1 100 HARNESS WIRE AE 360316 1 101 BRACKET MOUNT SWITCH 430141 1 102 SWITCH ON-OFF 500281 1 103 NUT - PAL 3/8 360218 2 104 CLUTCH LABEL 830503 1 105 NUT LOCK 5/16 -18 THIN 8161041 4 107 PLASTIC LANYARD 360243 2 109 CAPVENTED KELCH 3.5" W/LANYARD, WATER 360514 1 110 SCREW SELF TAP 1/4-20 x 5/8" 890359 1 111 WASHER - EXTENSION 810652 2 113 PLUG DRAIN 1" 360293 1 117 RETAINER 3/8" 360279 2 118 LOOP FOLDING HANDLE 350138 2 123 BOLT SHOULDER 3/8 x 1 1/4" 360284 2 124 LABEL AE BADGING 360395 1 125 LABEL LOGO CIRCLE 3.5" 100387 1 126 GRIP 400570 2 127 1/4 WASHER FLAT FENDER 8172019 1 135 LABEL MADE IN U.S.A 520116 1 136 SCREWCAP 1/4"-20 X 1 1/2" HCS ZP 8041008 1	97	BUSHING SHOULDER NYLON 3/8 ID	360175	
100       HARNESS WIRE AF       360316       1         101       BRACKET MOUNT SWITCH       430141       1         102       SWITCH ON-OFF       500281       1         103       NUT - PAL 3/8       360218       2         104       CLUTCH LABEL       830503       1         105       NUT LOCK 5/16 - 18 THIN       8161041       4         107       PLASTIC LANYARD       360243       2         109       CAP VENTED KEICH 3.5" W/LANYARD, WATER       360514       1         110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127	98		8165001	2
101       BRACKET MOUNT SWITCH       430141       1         102       SWITCH ON-OFF       500281       1         103       NUT - PAL 3/8       360218       2         104       CLUTCH LABEL       8305003       1         105       NUT LOCK 5/16 - 18 THIN       8161041       4         107       PLASTIC LANYARD       360243       2         109       CAPVENTED KELCH 3.5" W/LANYARD, WATER       360514       1         110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A       520116       1         136 </td <td></td> <td></td> <td></td> <td></td>				
102       SWITCH ON-OFF       500281       1         103       NUT - PAL 3/8       360218       2         104       CLUTCH I ABEL       830503       1         105       NUT LOCK 5/16 -18 THIN       8161041       4         107       PLASTIC LANYARD       360243       2         109       CAP VENTED KEI CH 3.5" W/LANYARD, WATER       360514       1         110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
103       NUT - PAL 3/8       360218       2         104       CLUTCH LABEL       830503       1         105       NUT LOCK 5/16 - 18 THIN       8161041       4         107       PLASTIC LANYARD       360243       2         109       CAP JENTED KEICH 3.5" WILLANYARD, WATER       360514       1         110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A.       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
104       CLUTCH LABEL       830503       1         105       NUT LOCK 5/16 -18 THIN       8161041       4         107       PLASTIC LANYARD       360243       2         109       CAP VENTED RE CH 3.5" W/LANYARD, WATER       360514       1         110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
105       NUT LOCK 5/16 -18 THIN       8161041       4         107       PLASTIC LANYARD       360243       2         109       CAPVENTED REICH 3.5" W/LANYARD, WATER       360514       1         110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360293       1         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
107       PLASTIC LANYARD       360243       2         109       CAP VENTED RE CH 3.5" W/LANYARD, WATER       360514       1         110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
109       CAP VENTED REICH 3.5" W/LANYARD, WATER       360514       1         110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A.       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
110       SCREW SELF TAP 1/4-20 x 5/8"       890359       1         111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A.       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
111       WASHER - EXTENSION       810652       2         113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A.       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
113       PLUG DRAIN 1"       360293       1         117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A.       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
117       RETAINER 3/8"       360279       2         118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
118       LOOP FOLDING HANDLE       350138       2         123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
123       BOLT SHOULDER 3/8 x 1 1/4"       360284       2         124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A.       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
124       LABEL AE BADGING       360395       1         125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A.       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
125       LABEL LOGO CIRCLE 3.5"       100387       1         126       GRIP       400570       2         127       1/4 WASHER FLAT FENDER       8172019       1         135       LABEL MADE IN U.S.A.       520116       1         136       SCREWCAP 1/4"-20 X 1 1/2" HCS ZP       8041008       1				
126     GRIP     400570     2       127     1/4 WASHER FLAT FENDER     8172019     1       135     LABEL MADE IN U.S.A.     520116     1       136     SCREWCAP 1/4"-20 X 1 1/2" HCS ZP     8041008     1				
127     1/4 WASHER FLAT FENDER     8172019     1       135     LABEL MADE IN U.S.A.     520116     1       136     SCREWCAP 1/4"-20 X 1 1/2" HCS ZP     8041008     1				2
135     LABEL MADE IN U.S.A.     520116     1       136     SCREWCAP 1/4"-20 X 1 1/2" HCS ZP     8041008     1				
		LABEL MADE IN U.S.A.		1
137 BOLT CARRIAGE 5/16"-18 X 2" ZP 8024044 2	136	SCREWCAP 1/4"-20 X 1 1/2" HCS ZP	8041008	1
	137	BOLT CARRIAGE 5/16"-18 X 2" ZP	8024044	2



# **AE403 ENGINE PARTS DRAWING**





# **AE403 ENGINE PARTS LIST**

ITEM AE403V			
NO.	DESCRIPTION	Part No.	QTY
1	FRAME ASSEMBLY WA AE402	360324	1
4	BEARING 3/4" PILLOW BLOCK	350133	4
5	CARRIAGE BOLT 3/8-16 x 1 1/2	8024060	12
6	FRONT AXLE ASSY	360332	1
7	KEY SQUARE 3/16 x 3/16 x 1.25	9201080	3
8	WHEEL 10.5" SEMI PN. W3/4" KEYED HUB	360388	2
9	FENDER WASHER 5/16"	8172020	2
10	WSHR-STL, BLV .322" X .938" X .072" MZ	8181014	2
11	SCREWCAP 5/16-18 x 1"	8041028	2
12	GUARD DIFFERENTIAL AE	360248	1
13			2
	SCREW SELF TAP 1/4 x 1/2"	890359	
14	JACKSHAFT AERATOR ASSY	360331	1
15	BEARING 1" PILLOW BLOCK	810700	2
16	NUT-HEX-NYLK, FLG .375"-16 ZP	8165003	28
20	BELT 4L x 43" POWER RATED	360120	1
21	CHAIN #40 x 94 PITCH O-RING (WHEEL)	360115	1
22	CHAIN #40 x 76 PITCH O-RING (TINE)	360114	1
23	PULLEY IDLER 4.5"	500270	1
24	ARM IDLER WA	510199	1
25	BRACKET MOUNT IDLER	360121	
26	BELT FINGER FRONT AE	360219	1
27	SCREWCAP 3/8"-16 X 2" HCS ZP	8041054	1
28	BOLT SHOULDER 1/2 x 1	500114	1
29	SPROCKET IDLER 17T x 5/8" BORE	360116	2
30	SPACER SPROCKET IDLER 2.5"	360123	1
31	SCREW CAP 1/2 - 13 x 4	8041106	1
32	SPACER SPROCKET IDLER 1.175"	360124	1
33	SCREW CAP 1/2 - 13 x 3"	8041102	1
43	WASHER FLAT 3/8 SAE	8172009	11
44	CARRIAGE BOLT 3/8"-16 X 1"	8024058	2
49	FLAT WASHER 1/2"	8171006	4
50	NUT-HEX-NYLK, FLG .3125"-18 ZP	8165002	7
55	CABLE CLUTCH ASSY	360313	1
59	SCREWCAP 3/8 - 16 X 1/2"	8041052	24
60	PULLEY ENGINE	610417	1
61	SPROCKET 42 T 1" CENTER HOLE	360350	1
65	TINE	360100	24
67	SPACER SPROCKET AE REEL	360351	3
72	SCREWCAP 5/16"-18 X 2 1/2" GR 5	8041034	3
	TINER ASSY AE401	360352	1
73			
73 74	SCREW CAP 5/16 - 18 x 1.5"	8041030	4
	SCREW CAP 5/16 - 18 x 1.5"  WASHER FLAT CUT 5/16		4
74 75	WASHER FLAT CUT 5/16	8171003	-
74 75 77	WASHER FLAT CUT 5/16  LABEL WARNING FUEL EN/SP	8171003 100261	4
74 75 77 78	WASHER FLAT CUT 5/16  LABEL WARNING FUEL EN/SP  LABEL DANGER GUARD	8171003 100261 900327	4 1 2
74 75 77 78 80	WASHER FLAT CUT 5/16  LABEL WARNING FUEL EWSP  LABEL DANGER GUARD  NUT LOCK 1/2 -13 THIN	8171003 100261 900327 8161044	4 1 2 2
74 75 77 78 80 90	WASHER FLAT CUT 5/16  LABEL WARNING FUEL EWSP  LABEL DANGER GUARD  NUT LOCK 1/2 -13 THIN  ENGINE, 160CC, VANGUARD	8171003 100261 900327 8161044 382351	4 1 2 2 1
74 75 77 78 80	WASHER FLAT CUT 5/16  LABEL WARNING FUEL EWSP  LABEL DANGER GUARD  NUT LOCK 1/2 -13 THIN	8171003 100261 900327 8161044	4 1 2 2