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**IMPORTANT**  
NOT RECOMMENDED  
FOR OFF-ROAD USE  
OR GOLF CARS THAT  
EXCEED **19**m.p.h.

INSTALLATION INSTRUCTIONS

# BOLT ON LONG TRAVEL FOR E-Z-GO

1994—2000 Model

**E-7-04**  
**E-7-06**



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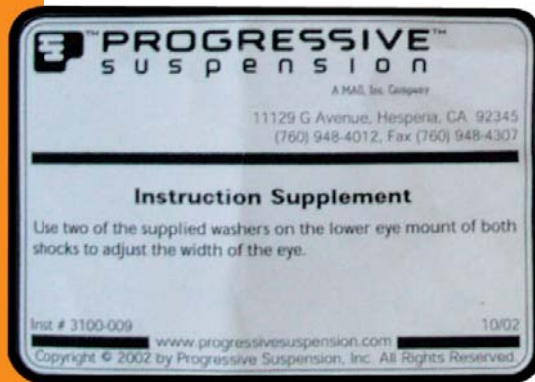
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**E-7-04**  
**E-7-06**



## PROGRESSIVE SUSPENSION KIT

AA



CC



DD



BB



EE

FF

ID	Qty	Product #	Description
AA	2	MS-7-01A	Coil Over Dual Rate Shock 16"
BB	1	INSTRUCTIONS	Washer Usage Instructions
CC	4	MS-7-01-1	Shock Sleeves
DD	8	MS-7-01-2	Lower Eye Mount Washers
EE	1	MS-7-01-3	Spanner Wrench
FF	1	MS-7-01-4	Cam Adjuster Lubricant (3 gms)

\*E-7-06's Sub Frame has a removeable brush guard

## KIT CONTENTS



ID	Qty	Product #	Description
A	1	AFE-910	Sub Frame
B	2	E-7-04-4	King Pin
C	2	MS-7-16	1/2"—20 Male Heim Joint
D	2	AFE-930	Upper J Arm
E	1	AFE-920	Passenger Lower A Arm
F	1	AFE-925	Driver Lower A Arm
G	2	AFE-230	1" x 13-7/8" Tie Rod
H	2	HW12-64	1/2"—20 Jam Nuts
I	2	HW12-65	1/2"—20 SAE Washers/Grade 8
J	8	HW38-13	3/8" SAE Flat Washers Stainless Steel
K	16	AFH-210	3/8" Urethane Bushings
L	4	HW38-51	3/8" 16 Jam Nut
M	12	HW38-36	3/8"—16 Nylock Nut/Grade 8
N	2	HW516-17	5/16"—18 Nylon Lock Nut Zinc
O	2	HW-138	1-3/8" Round Tubing Plug
P	2	SR-8-45	1-1/8"od x 120 x 1-13/16" Spindler Spacer
Q	2	HW516-05	5/16" x 2" HHCS/Grade 2 Zinc
R	2	HW38-73	3/8" x 3" Elevator Bolt w/1-1/2" Flat Head
S	4	HW38-41	3/8"—16 x 2" Bolts/Grade 8
T	6	HW38-34	3/8"—16 x 3.5" HHCS Bolts/Grade 8
U	2	HW38-35	3/8"—16 x 5" Hex Bolts/Grade 8
V	1	HW-23	LOCTITE® Threadlocker - Blue

**DO NOT USE PNEUMATIC TOOLS WHEN TIGHTING NUTS & BOLTS**

## DISASSEMBLY



**STEP 1:**  
Place jack under front axle.



**STEP 2:**  
Raise car to a comfortable height for working under.



**Drivers Side**



**Passengers Side**

**STEP 3:**  
Place jack stands under the frame as shown (left). Lower car onto the jack stands.



## DISASSEMBLY



### STEP 4:

Remove wheels.

Note: When putting wheels back on it is important to use an offset wheel. If not you may experience some rubbing of the rim against the tie rod.



### STEP 5:

Remove top two shrod bolts, two bottom plastic rivets, then the shroud.



## DISASSEMBLY



### STEP 6:

Remove nut and washer from king pin bolts. Keep both of the washers for later usage. Leave the king pin bolts in they will be removed later.



### STEP 7:

Loosen tie rod jam nuts.



### STEP 8:

LOOSEN THE INNER TIE ROD ASSEMBLY.

Note: If using a mallet to knock loose, it is best to use a brass mallet to ensure that the threads on the tie rod ends do not get stripped. The tie rod ends will be used so it is important to keep them in working condition.



## DISASSEMBLY



**STEP 9:**  
Disassemble the inner  
tie rod assembly.



**STEP 10:**  
Remove stock king pins.



**STEP 11:**  
Using access holes under  
the front end remove the  
stock shocks.

## DISASSEMBLY



**STEP 12:**  
Remove passenger side kick panel and then lift back the floor mat.



**STEP 13:**  
Remove and keep, for later use, the two front leaf bolts.



**STEP 14:**  
For easier access to the leaf bolts on the drivers side detach the brake lever.

**WARNING: DO NOT FORGET TO REATTACH THE BRAKE LEVER BEFORE OPERATING THE VEHICLE.**

## DISASSEMBLY



### **STEP 15:**

Using the access under the floor mat remove the six leaf spring fastening bolts.



### **STEP 16:**

Once the bolts have been removed simply pull the stock shocks and leaf springs out. This may require some wiggling of the leaf.

## FRAME ASSEMBLY



**STEP 1:**  
Insert two urethane bushings into each of the upper J arms and six into each of the lower A arms.



**STEP 2:**  
Remove bolts in upper J arms.



**STEP 3:**  
Insert heims into each of the upper J arms. Screw in the heim till it is snug then loosen it by 5 turns.

## FRAME ASSEMBLY



**Drivers Side**



**Passengers Side**

### **STEP 4:**

Identifying the lower A arms. Place the two lower A arms on the floor with the shock tab mounts toward the floor. Using the picture below identify which arm goes where.



### **STEP 5:**

Install lower A arm. It is important to put the proper arm on the proper side. The picture to the left illustrates the driver side being installed. Use a urethane hammer to knock the bolts in. Both bolts should face inward toward each other.





## FRAME ASSEMBLY



**STEP 6:**  
Install upper J arms. Both upper J arms are identical. It is important, though, to make sure the arm is in the correct direction. Use picture to the left as a reference.



**STEP 7:**  
Using a 3/8-16 Nylock nut tighten the upper J arm to pinch. Do not tighten till tight this may result in damage to the urethane bushings.



## FRAME ASSEMBLY



### STEP 8:

Place a 3/8-16 Nylock nut on each of the four bolts on the lower A arms. Tighten only to finger tight at this point.



### STEP 9:

Using one 7/16 steering stop jam nut per 7/16 x 3.5" steering stop bolt thread bolt approx. 3/4" away from end.



### STEP 10:

Place elevator bolts with flat head into mounting frame. These bolts prevent the tie rod from hitting the coil over shock. The head of both bolts face inward toward each other.

## FRAME MOUNTING



**STEP 1:**  
Place jack under  
frame front lower  
cross bar.



**STEP 2:**  
Move frame under  
front end. Raise and  
align rear frame tabs  
with the car frame  
leaf support holes.



**STEP 3:**  
Raise jack until top  
frame mounting  
holes are aligned  
with the stock shock  
mounting holes.

## FRAME MOUNTING



### **STEP 4:**

Take the two bolts and washers saved from earlier. Using the access holes under the front secure the top frame mounting holes by placing the bolt and washer on top. Then, use nut on bottom. Do not tighten bolts yet.



### **STEP 5:**

Take the original leaf spring support bolts and attach the rear tabs. Do not tighten bolts yet.



## FRAME MOUNTING



### STEP 6:

Starting with the top passenger side tighten the support bolt. Next tighten the drivers side top bolt.



### STEP 7:

You can now lower the jack and move it out of your way. Then, starting with the lower drivers side tighten the bolts. Finally, tighten the lower passenger side bolts.



## FRAME MOUNTING



**STEP 8:**  
**IMPORTANT!**  
Now reattach the  
brake lever.



**STEP 9:**  
Attach king pin to the  
lower A arm. Some  
hammering to widen  
the king pin may be  
required.

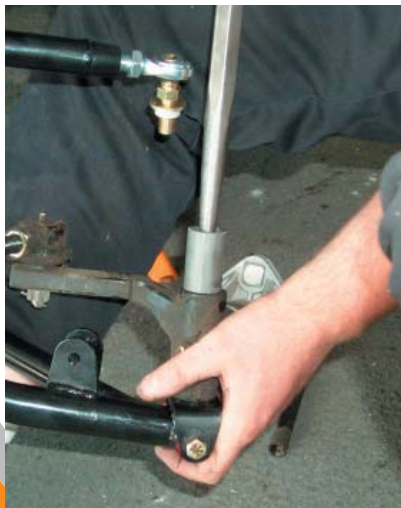


**STEP 10:**  
Remove tie rod ends  
from stock tie rods.

## FRAME MOUNTING



**STEP 11:**  
Place the old spindle over the king pin.  
Then place the spindle spacer over the king pin.



**STEP 12:**  
Screw the heim into the king pin. This may require some forceful alignment of the king pin. To do so using a tool such as a crow bar may help.



Add LOCTITE® to threads and tighten snugly.



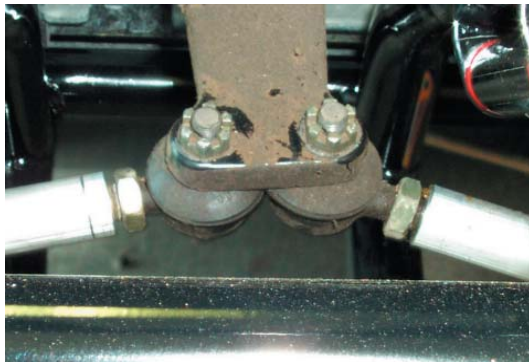
**▲ NOTE: VERY IMPORTANT STEP — IF NOT DONE MAY CAUSE SERIOUS DAMAGE OR INJURY.**



## FRAME MOUNTING



**STEP 13:**  
Attach old tie rod ends to the new tie rod. Make sure to note the band across one end which signifies the reverse thread.



**STEP 14:**  
Attach tie rod ends to the steering arm.



**STEP 15:**  
Insert shock sleeves into shock eye then line it up with the upper J arm. Using 3/8-16 x2 Grade 8 bolt and 3/8-16 Nylock nut fasten shock to upper J arm. Repeat this process with attaching it to lower A arm. Tighten nuts till pinch not to tight.

## FRAME MOUNTING

### **STEP 16:**

Finally, tighten all nuts to pinch, put wheels on the cart, lift cart with jack, remove jack stands, then lower car to the ground. We hope you enjoy your newly lifted golf car.

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## FRAME ASSEMBLY FOR E-7-06



**ATTENTION!**  
This insert can be done at any point in the mounting or assembly process.

**STEP 1:**  
Place sub frame main section on level surface.



**STEP 2:**  
Insert brush guard mounting pegs into the main sub frame.



**STEP 3:**  
Line the holes on the brush guard mounting pegs with the holes on the main sub frame. If holes do not line up some reaming may be required. When holes are finished use 5/16" Hex bolts to fasten together.



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Cowls • Rear Seat Kits • Wheels and Tires  
Steering Wheels • Billet Accessories  
Wheel Covers • Storage Covers • Weather Enclosures  
Coolers and Brackets • Ball and Club Washers • Mirrors  
Ramps • Sand and Seed Bottles • And More . . .

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