

STRECH PLASTICS ARE MANUFACTURERS AND DISTRIBUTORS OF THE HIGHEST QUALITY GOLF CAR PRODUCTS



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

INSTALLATION INSTRUCTIONS

BOLT ON REAR SUSPENSION FOR TXT E-Z-GO

1994—2005 Model

E-7-12



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PROGRESSIVE SUSPENSION KIT



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)

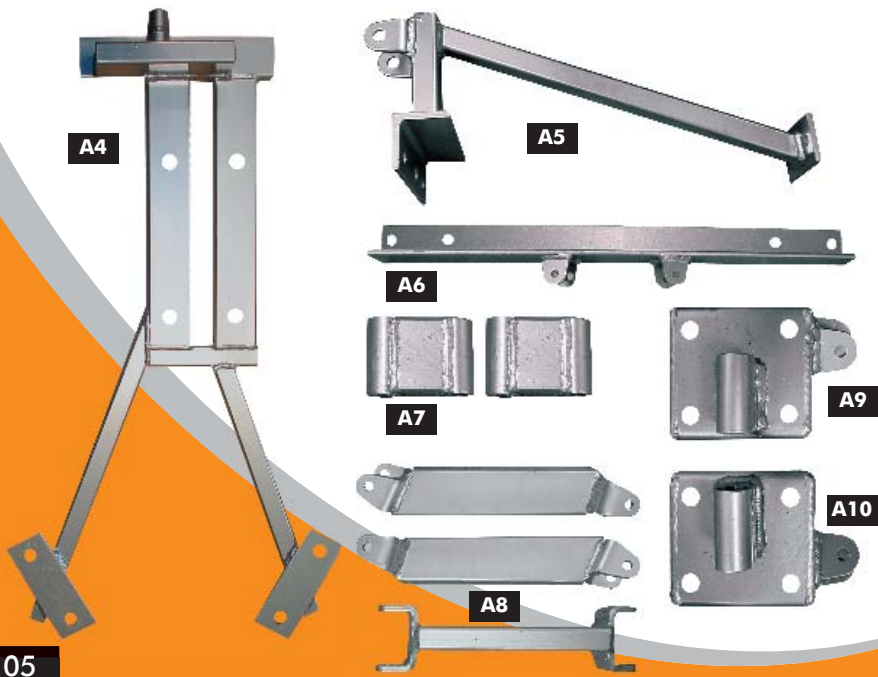
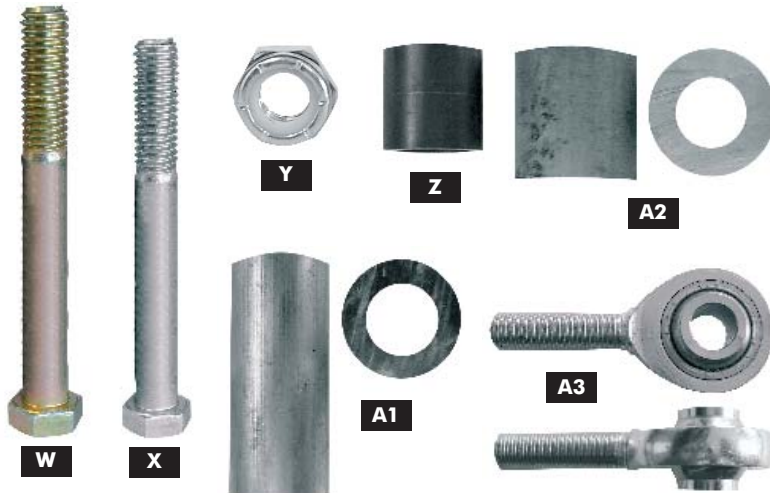
KIT CONTENTS



ID	Qty	Product #	Description
A	2	HWC-02	1/8" x 3/4" x 4-1/2" Aluminum Strap w/2-5/16" Holes
B	8	AFH-210	3/8" Urethane Bushings
C	4	AFH-212	1/2" Bushing Drilled From Urethane 3/8" AFE-210
D	1	HW-139	1-1/8" Button Plug
E	1	HW12-64	1/2"—20 Jam Nuts
F	4	HW12-65	1/2"—20 SAE Grade 8 Washers
G	4	HW12-66	1/2"-13 x 4" U-Bolt 2-1/2 Between Legs 1-1/2"
H	8	HW12-67	1/2"-13 Hex Fin Nut (For U-Bolt)
I	18	HW12-68	1/2" Flat Washer USS
J	4	HW12-72	1/2"-13 x 2" H.H.C.S./Grade 8
K	5	HW12-73	1/2" Nylon Lock Nut/Grade 2
L	1	HW12-74	1/2"-13 x 4" H.H.C.S. /Grade 8
M	2	HW14-12	1/4" Nylon Lock Nut Zinc
N	4	HW14-13	1/4" SAE Flat Washer Stainless Steel
O	2	HW14-34	1/4" x 1-3/4" H.H.C.S. Zinc
P	12	HW38-13	3/8" SAE Flat Washers Stainless Steel
Q	12	HW38-36	3/8"—16 Nylock Nut/Grade 8
R	4	HW38-41	3/8"—16 x 2" Bolts/Grade 8
S	2	HW38-45	3/8" x 16 x 1-1/2" H.H.C.S./Grade 8
T	2	HW38-46	3/8" x 16 x 6 U Bolt 3-1/2" Between Legs 2"
U	4	HW38-47	3/8" Flat Washer USS
V	4	HW38-48	3/8"-16 Hex Fin Nut (For U-Bolt)
W	1	HW-23	LOCTITE® Threadlocker - Blue

DO NOT USE PNEUMATIC TOOLS WHEN TIGHTING NUTS & BOLTS

KIT CONTENTS



05

ID	Qty	Product #	Description
W	4	HW38-34	3/8" -16 x 3-1/2" H.H.C.S./Grade 8
X	2	HW516-10	5/16" x 3-1/4" H.H.C.S./Grade 2
Y	2	HW516-17	5/16" Nylon Lock Nut Zinc
Z	2	HWY-09	11/16" x 11/16" Steel Barrel Spacer with 1/2" Hole
A1	6	HWY-11	3/8" I.D. x 3/4" O.D. x 1-3/4" Round Alum. Spacer
A2	4	HWY-20	3/8" I.D. x 3/4" O.D. x 3/4" Round Alum. Spacer
A3	1	MS-7-22	1/2" x 1/2" Heim with Teflon
A4	1	E-7-12-35	Engine and Transmission Cradle (Sub Cradle)
A5	1	E-7-12-10	Front Engine Support (Front Motor Mount)
A6	1	E-7-12-25	Rear Upper Shock Mount
A7	2	E-7-12-30	Shackles
A8	2	E-7-12-20	Swing Axle (Trailing Arm)
A9	1	E-7-12-15	Rear Axle Perch Driver Side (Driver Channel)
A10	1	E-7-12-16	Rear Axle Perch Passenger Side (Passenger Channel)

DISASSEMBLY

NOTE: REMOVAL OF REAR BODY RECOMMENDED.



STEP 1:
Disconnect Positive (+)
battery terminal for safety.



STEP 2:
Remove air box.



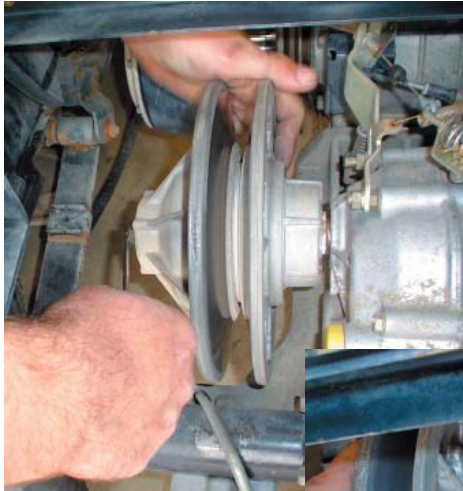
STEP 3:
Remove starter/generator.



DISASSEMBLY

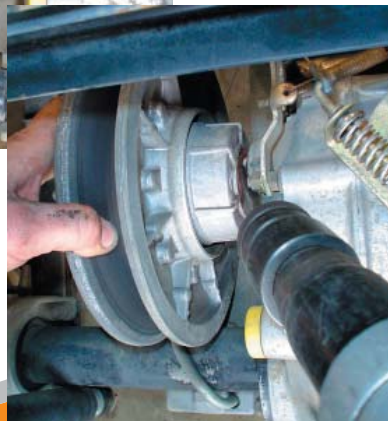


STEP 4:
Remove drive belt.



STEP 5:
Remove rear clutch.

**Note: Some force
maybe necessary.**



DISASSEMBLY



STEP 6:
Remove muffler.
4-Upper 12mm Bolts
1-Lower 13mm Bolt



STEP 7:
Lift back end
of car.

DISASSEMBLY

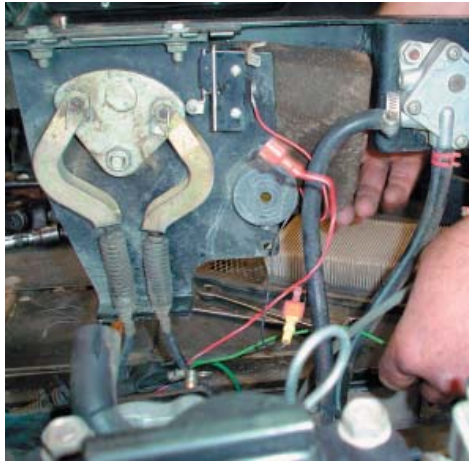


STEP 8:
Remove skid plate.
4-16mm Bolts



STEP 9:
Remove shifting cables.

DISASSEMBLY



STEP 10:
Remove shifter assembly.



STEP 11:
Take passenger side
shifter cable and remove
dust boot and adjuster nuts.



DISASSEMBLY

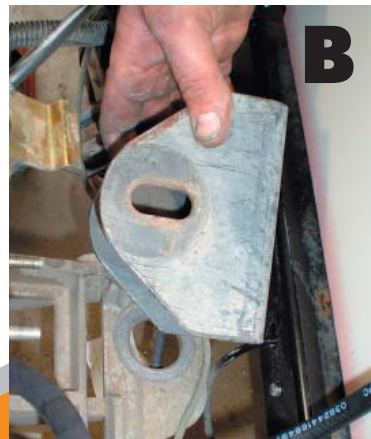
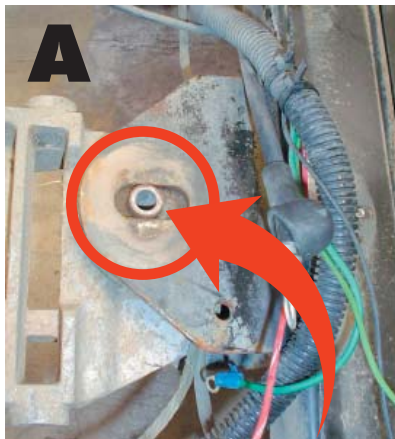


STEP 12:
Remove bolt from front motor mount and then drive out pin (A) to remove front motor mount bracket (B) from car frame.

Pin (A)- 3/8 Bolt

Bracket (B) - Held on with 2-3/8 Bolts through frame.

NOTE: Support motor from under with a jack.



SUB CRADLE ASSEMBLY



STEP 1:
Raise car
and place
jack stands
under frame.



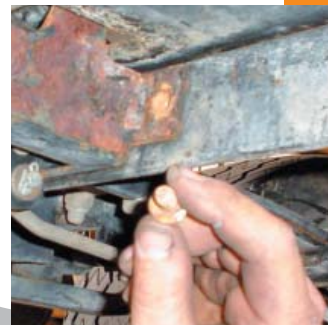
**Drivers
Side**



**Passengers
Side**



STEP 2:
From under car
remove front inner
pedal box bolt.



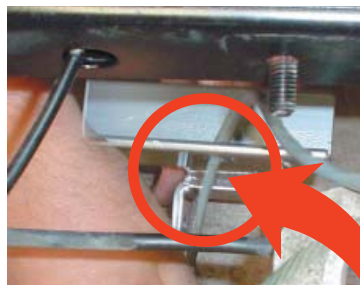
SUB CRADLE ASSEMBLY



STEP 3:
For your protection always wear safety glasses when drilling.

STEP 4:
Drill out inner front pedal box hole to 3/8".

STEP 5:
Front motor bracket bolts through front mount, start nuts. Now take front mount and run wires through it as shown.



SUB CRADLE ASSEMBLY



STEP 6:
Install 3/8" x 1-1/2" grade 8 bolt in front motor mount and start nut.



STEP 7:
Using the front motor mount as a template drill a 3/8" hole through the front frame.



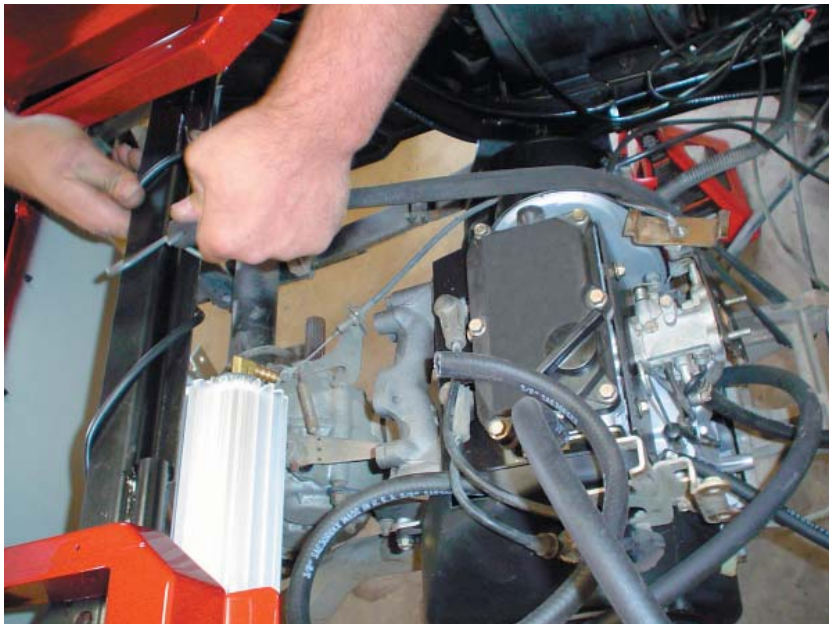
STEP 8:
Install a 3/8" x 1-1/2" grade 8 bolt and use 1/2" flat washer as spacer for front mount.

SUB CRADLE ASSEMBLY



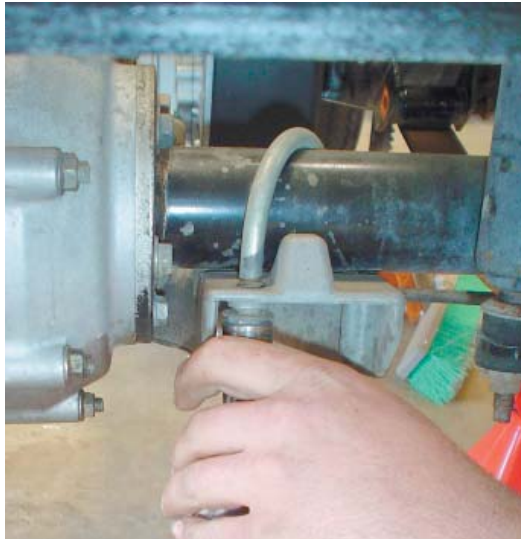
STEP 9:
Install jam nut and then 1/2" x 1/2" heim, when installing heim add LOCTITE® to threads and tighten snugly into cradle.

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

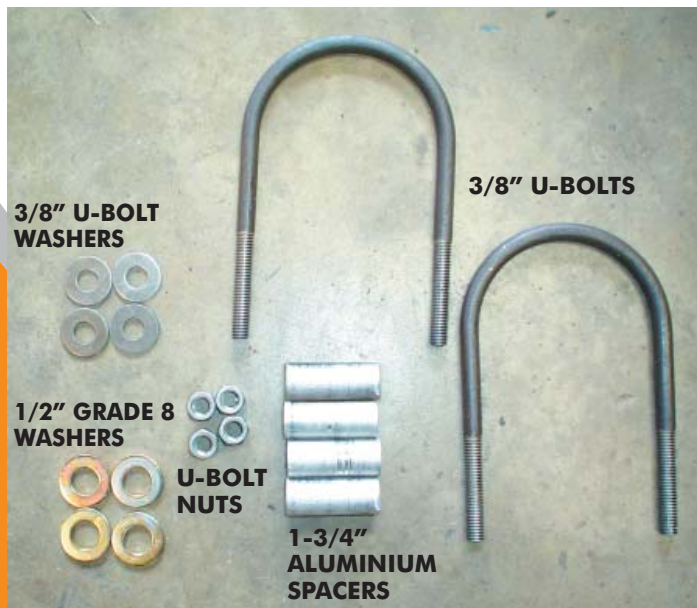


STEP 10:
Using straps or bungee cords support front of motor.

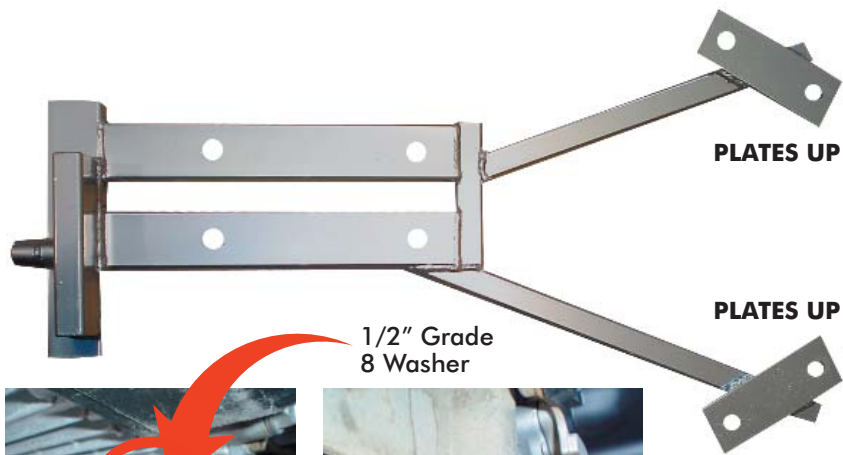
SUB CRADLE ASSEMBLY



STEP 11:
Remove inner
U-bolts from
rear axle.



SUB CRADLE ASSEMBLY



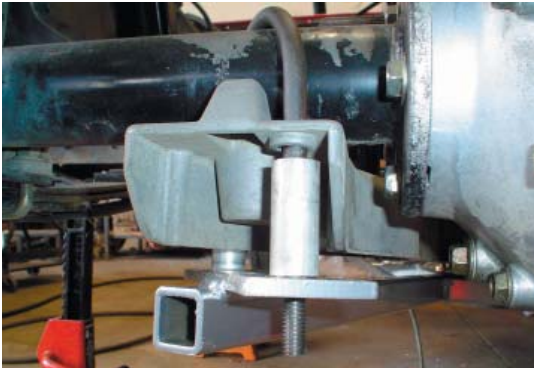
STEP 12:
Sub cradle goes installed plates up. 1/2" Grade 8 washers go between sub cradle and motor using stock skid plate bolts .

STEP 13:
Make sure brake line goes under sub cradle.

SUB CRADLE ASSEMBLY

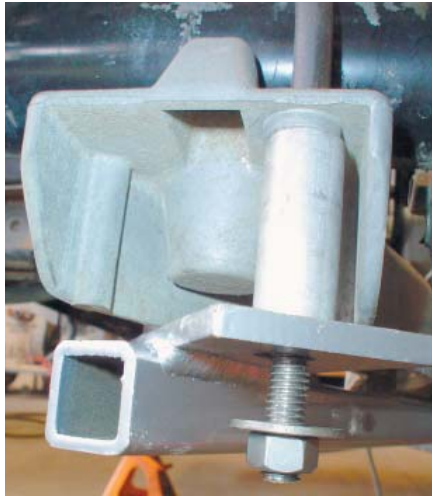


STEP 14:
Install 3/8" U bolts.



Add spacer between stock
cradle and our sub cradle.

SUB CRADLE ASSEMBLY

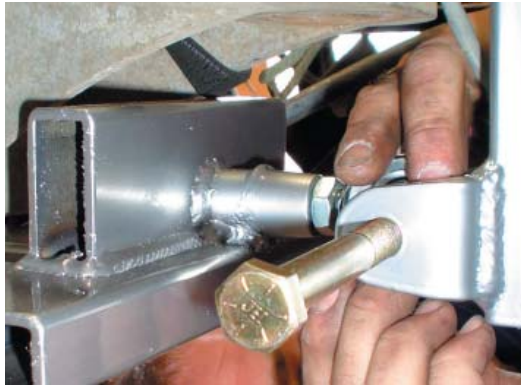


STEP 15:
Tighten U bolt nuts to pinch starting with the driver side. Make sure to tighten evenly.

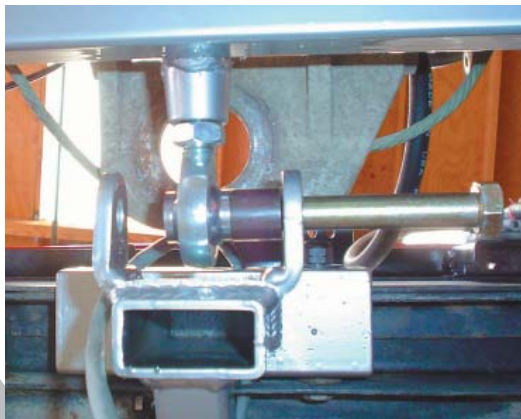
Tighten other sub cradle nuts and bolts, again just to pinch. Do not over tighten. Now tighten all nuts and bolts.



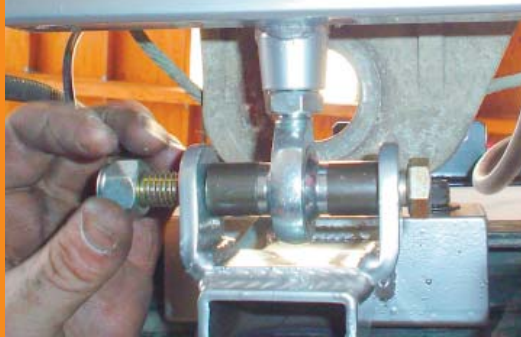
SUB CRADLE ASSEMBLY



STEP 16:
Now connect heim to front motor mount.



Insert 1 - 4" x 1/2"
Grade 8 bolt through
motor mount bracket,
and heim misalignment
spacers as shown here.



Once the 4" x 1/2"
Grade 8 bolt
goes through,
tighten with nut.

SUB CRADLE ASSEMBLY

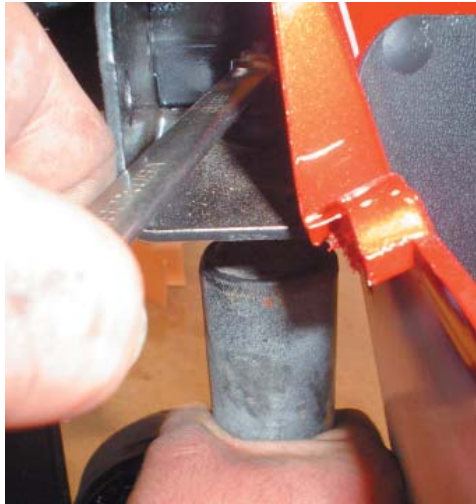


STEP 17:
With heim in place, begin tightening all front mount nuts and bolts.



STEP 18:
Remove straps and or bungee cords from motor.
(Remove seat penguins and inspect cover - If body is not removed.)

DISASSEMBLY OF STOCK SHOCKS, LEAF SPRINGS & SHACKLES



STEP 1:
Remove stock shock by
placing wrench to stock
bolt, holding wrench in
place begin twisting shock
to remove.



DISASSEMBLY OF STOCK SHOCKS, LEAF SPRINGS & SHACKLES



STEP 2:
Use Jack to support rear end.



STEP 3:
Remove leaf mount bolts and shackles. One side at a time. Save front leaf mount bolt for reuse later.

DISASSEMBLY OF STOCK SHOCKS, LEAF SPRINGS & SHACKLES

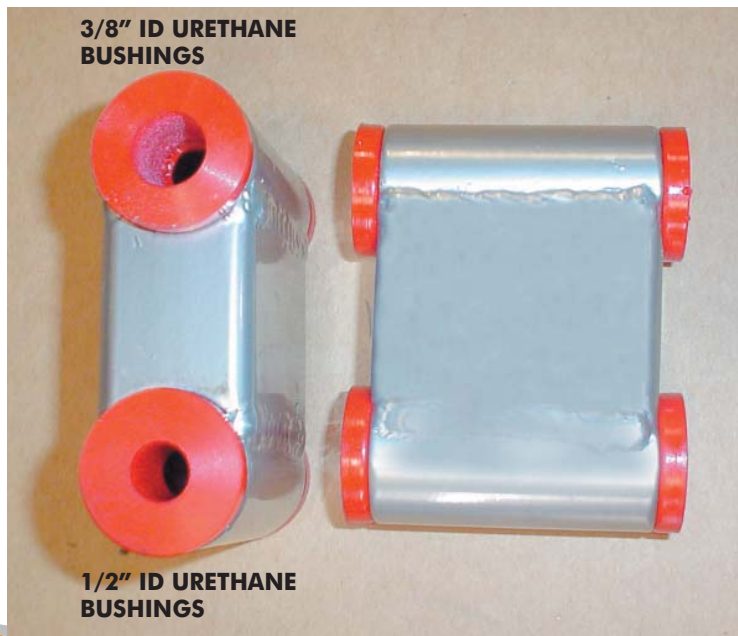


STEP 4:
Remove stock
aluminium
shackle.

ASSEMBLY OF NEW SHACKLES, CHANNELS & TRAILING ARM



STEP 1:
Take 1/2" ID urethane bushings and install into one side of our supplied shackle. Then, take the 3/8" ID urethane bushing and install in other side.



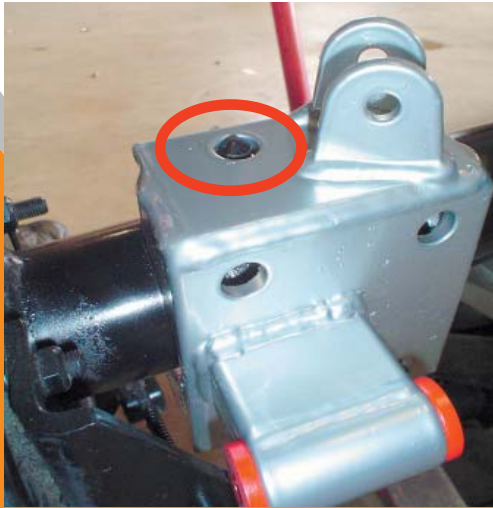
3/8" ID URETHANE BUSHINGS

1/2" ID URETHANE BUSHINGS

ASSEMBLY OF NEW SHACKLES, CHANNELS & TRAILING ARM

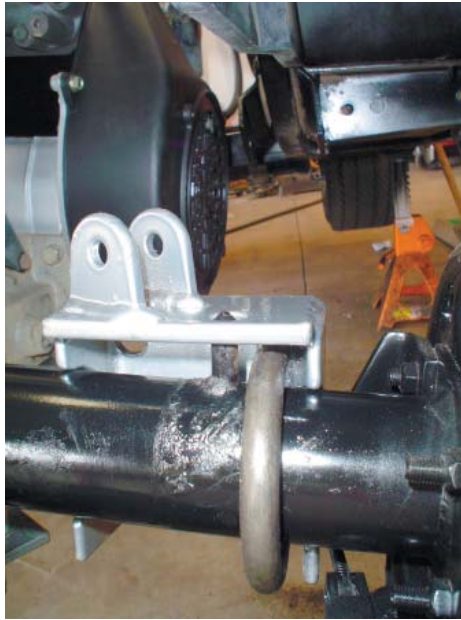


STEP 2:
Insert 3/8" ID urethane bushings into both driver and passenger channels.



STEP 3:
Take channel and align alignment pin with the alignment hole in channel as shown here.

ASSEMBLY OF NEW SHACKLES, CHANNELS & TRAILING ARM



STEP 4:
Insert u bolts into channel. Start nuts with washers.



When tightening nuts and u bolts make sure to rock channel to rear of car to tighten evenly.

ASSEMBLY OF NEW SHACKLES, CHANNELS & TRAILING ARM

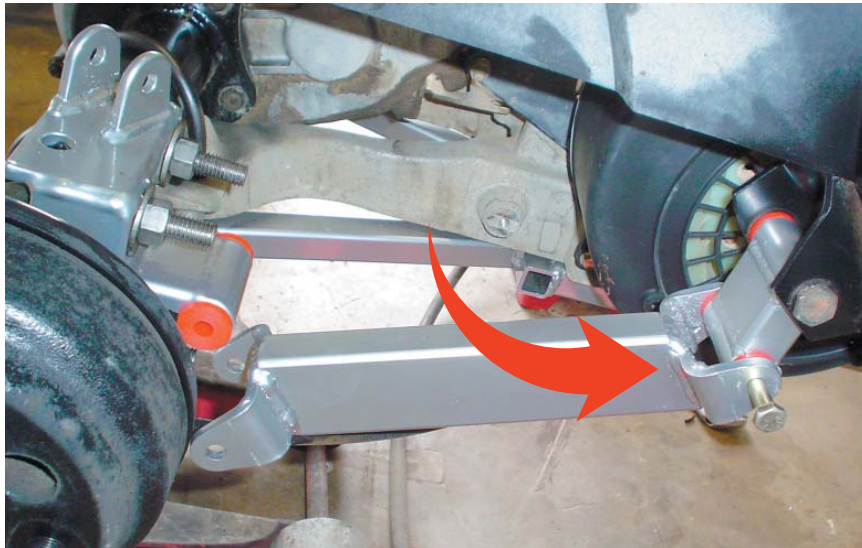


STEP 5:
Take new shackle and stock leaf spring bolt and install into front leaf spring mount.



STEP 6:
Take trailing arm and attach to shackle as shown here.

ASSEMBLY OF NEW SHACKLES, CHANNELS & TRAILING ARM



NOTE:
Trailing arm steep angle goes up and attaches to front shackle.
Back of trailing arm attaches to channel.

STEP 7:
Redo steps 1 through 7 on driver side. Go through and tighten nuts and bolts to pinch on both sides.



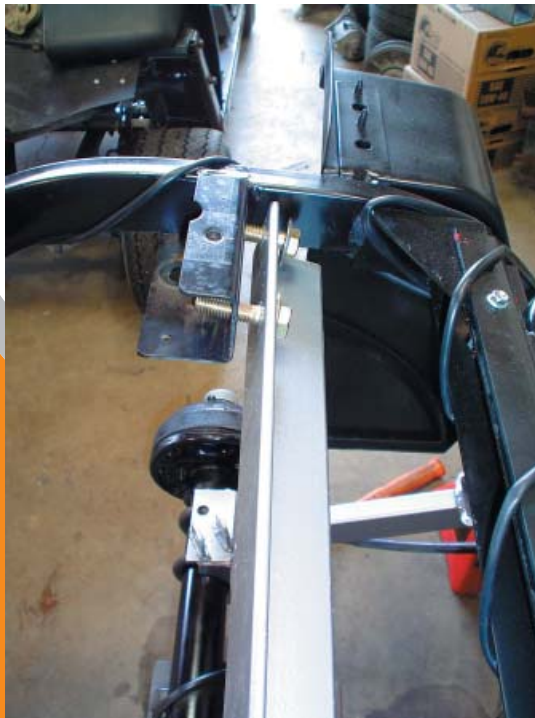
STEP 8:
Drop rear end and remove jack.

ASSEMBLY OF NEW SHOCKS



STEP 1:
Install upper
shock mount.

4-2 1/2" x 1/2" Grade 8
8-1/2" Washers
4-1/2" Nylock
Torque upper shock
mount mounting bolts.



NOTE: You may
want to remove
the body for
easy access of
installation.

ASSEMBLY OF NEW SHOCKS



STEP 2:
Install shock coil
over to upper
shock mount.
Add one washer
to each side of
the shock.

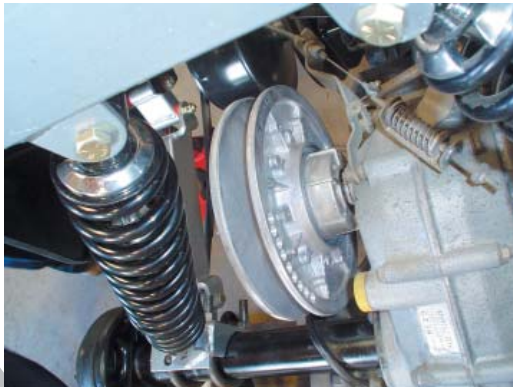


STEP 3:
Install bottom of
shock to channel
brackets as shown.
Add two washers
to the back of the
shock.

ASSEMBLY OF NEW SHOCKS



STEP 4:
Reinstall stock clutch
back on before tightening
shock nuts and bolts.
You may need to rock
shock back and forth to
get clutch back on.



Tighten clutch bolt.

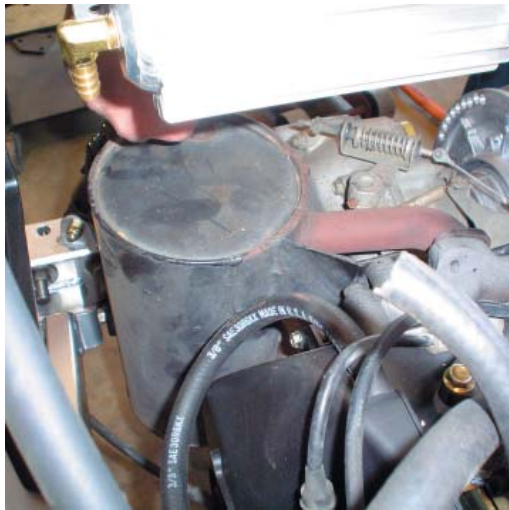
ASSEMBLY OF NEW SHOCKS



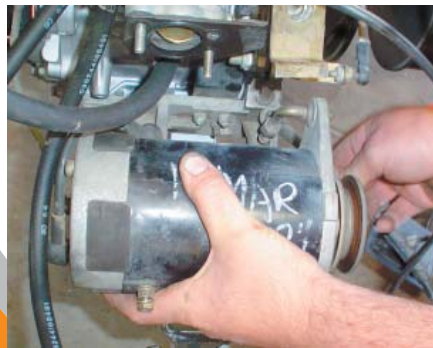
STEP 5:
Tighten shock
bolts.



REINSTALLATION OF STOCK HARDWARE



STEP 1:
Reinstall stock muffler.



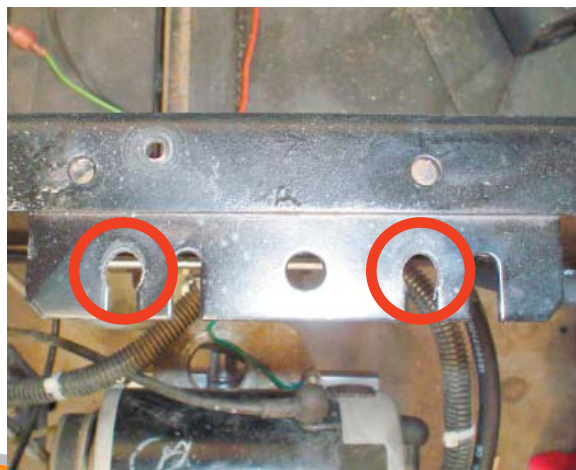
STEP 2:
Reinstall starter and
connect all of its wires
and cables & ground.



REINSTALLATION OF STOCK HARDWARE

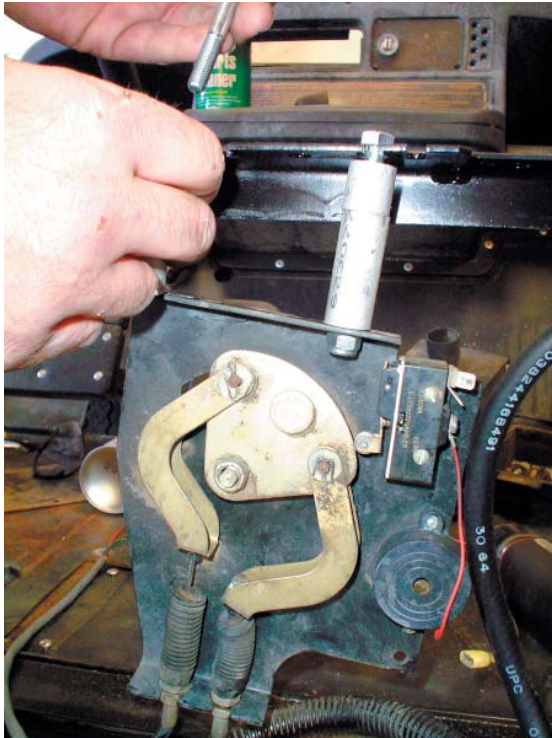


STEP 3:
Reinstall starter belt.



STEP 4:
Open up shifter mount
holes to accept a
5/16" bolt.

REINSTALLATION OF STOCK HARDWARE



STEP 5:
Reinstall shifter
with spacers
and 5/16" bolts.
1-3/4" & 3/4"
spacer per side.



STEP 6:
Passenger side
cable routes
through the stock
motor mount.

REINSTALLATION OF STOCK HARDWARE



Continue to run the passenger cable through the middle of our cradle and . . .



out through the hole in the back of our cradle. Reinstall adjuster nuts and dust boot.



Reinstall adjuster nuts and dust boot.

REINSTALLATION OF STOCK HARDWARE



STEP 7:
The driver side shifter cable goes through the stock motor mount, through the middle of our cradle and out over our cradle to the bottom of the back shifter cable mount(A).



REINSTALLATION OF STOCK HARDWARE



STEP 8:
Adjust cables
correctly when
reconnecting
shifter wiring.

REINSTALLATION OF STOCK HARDWARE

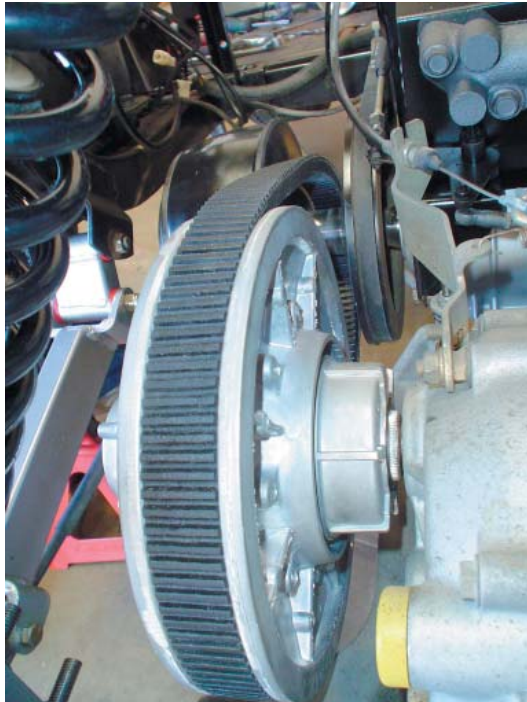


STEP 9:
Begin reconnecting
shifter wiring.



STEP 10:
Set and tighten heim. Make sure
the heim is straight up center.

REINSTALLATION OF STOCK HARDWARE



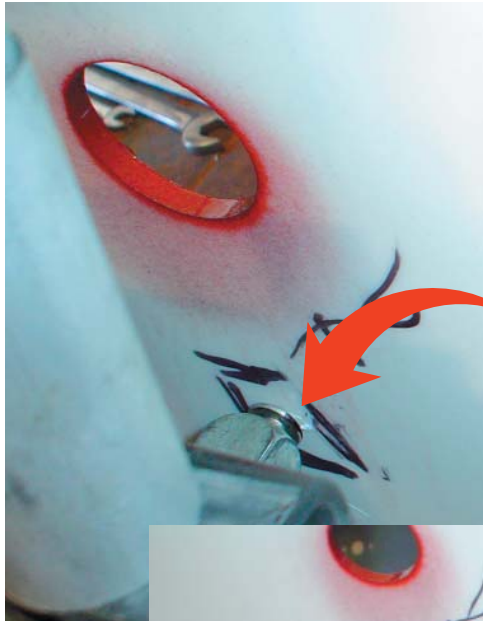
STEP 11:
Install drive belt.



STEP 12
Cable tie brake
line to car frame
up to 1999 models.

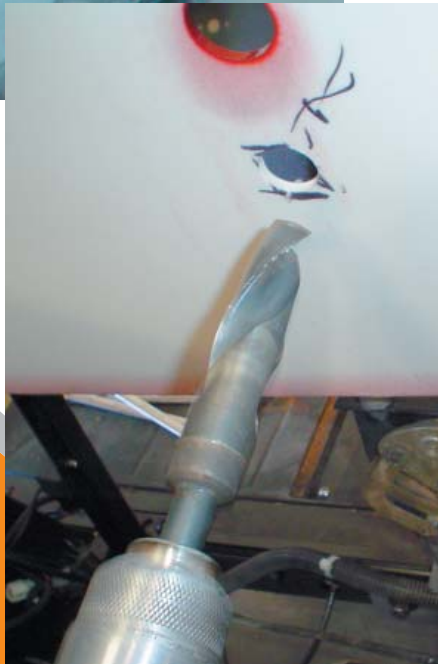
2000 & UP
Bend stock brake
line bracket down,
use to make cable
stand off with
aluminum plates,
spacers, 1/4" bolts.

REINSTALLATION OF STOCK HARDWARE



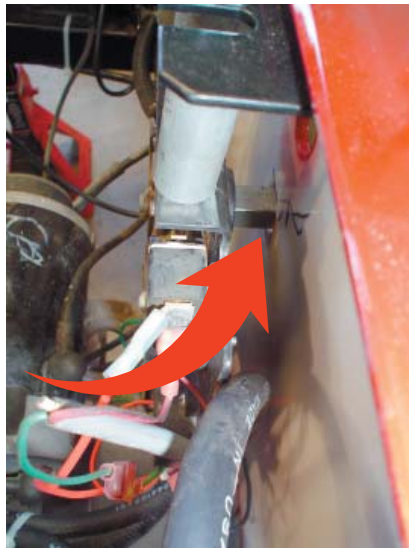
STEP 13:
Because we lowered the shifter you will need to adjust hole on body.

With a black marker and using the shifter as a template outline where the new hole will need to be drilled.



Drill a 7/8" hole in the body.

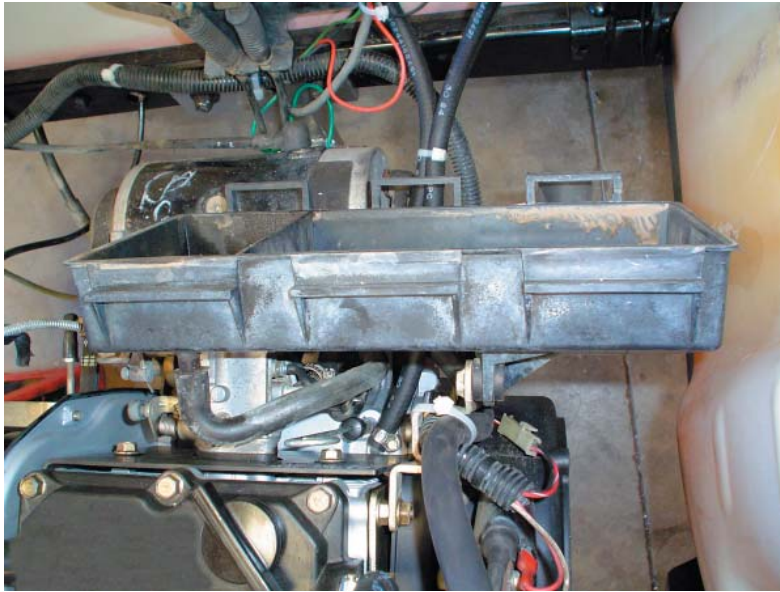
REINSTALLATION OF STOCK HARDWARE



Now install body and the shifter should line up perfectly with the newly drilled hole.

Place 1-1/8" Button Plug into previous shifter hole.

REINSTALLATION OF STOCK HARDWARE



STEP 14:

Reinstall air box, continue to reinstall any miscellaneous hardware that may have been left out of this section — reinstallation. Double check that all nuts and bolts are nice and snug.

You are now ready to enjoy your newly installed bolt-on rear suspension.

NOTE: We recommend a tire size of 22".



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No matter how you use your golf car, whether its used on the fairway, in the mud, hard packed dirt, desert sand or snow we have the right tire for you. Here are just a few of our top sellers . . .



MS-0-432

Wheel:

10" PREDATOR

Tire:

TOUR MAX™

Tire Size:

205 x 50 -10

This tubeless golf car tire carries its load without wear and tear on the fairway and rides smoothly on paved paths.



MS-0-392

Wheel:

12" INTERCEPTOR

Tire:

ALL TRAIL™

Tire Size:

23 x 10.5 -12

These tires, with their bar tread design put power to the ground for cars that demand pure traction in snow, hard and loose soil.



MS-0-416

Wheel:

8" ADVANTAGE

Tire:

FAIRWAY PRO

Tire Size:

18 x 8.5 -8

This tubeless golf car tire carries its load without wear and tear on the fairway and rides smoothly on paved paths.

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