

User Guide & Installation Manual
Transmission Shifter Kit
ASCS SERIES

INTRODUCTION

Warning:

Before installation:

- Make sure the battery is disconnected
- Ensure the vehicle is on level ground
- Make sure the emergency brake is on
- Check that the tires are blocked in so the vehicle can not move
- Confirm the part is correct for your transmission
- Do not adjust the shifter until it is fully installed on the transmission

Tools:

- Small set of Standard Allen Wrenches
- Wrench Sizes: 7/16", 1/2", 9/16", 3/4" or adjustable wrench
- Pliers
- Die Grinder or Hacksaw
- Digital Volt Meter

Operation:

American Shifter Single Action Shifter

The single action shifter requires using the push button on the top of the knob. The shifter will lock in the following positions: Park, Reverse to Neutral and Neutral. You are required to push the button to shift from Park to Reverse.

American Shifter Dual Action Shifter

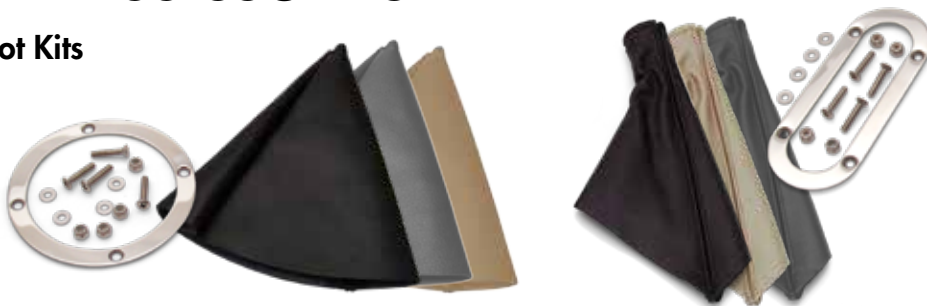
The dual action shifter not only works the same as the single action shifter above, but the Dual Action Shifter also allows you to change gears by pushing the stick to the side. When doing this you do not need to push the button on the knob.

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ACCESSORIES

Boot Kits



STYLE	PART NO.	SKU
Black Vertical	ASCSB101BK	54585
Tan Vertical	ASCSB101TN	54587
Grey Vertical	ASCSB101GY	54589
Black Horizontal	ASCSB201BK	54595
Tan Horizontal	ASCSB201TN	54593
Grey Horizontal	ASCSB201GY	54591
Round Trim Ring	ASCTR101	54581
Oval Trim Ring	ASCTR201	54583

Emergency Brakes



10" Floor Mount
ASCBH10 - #96241

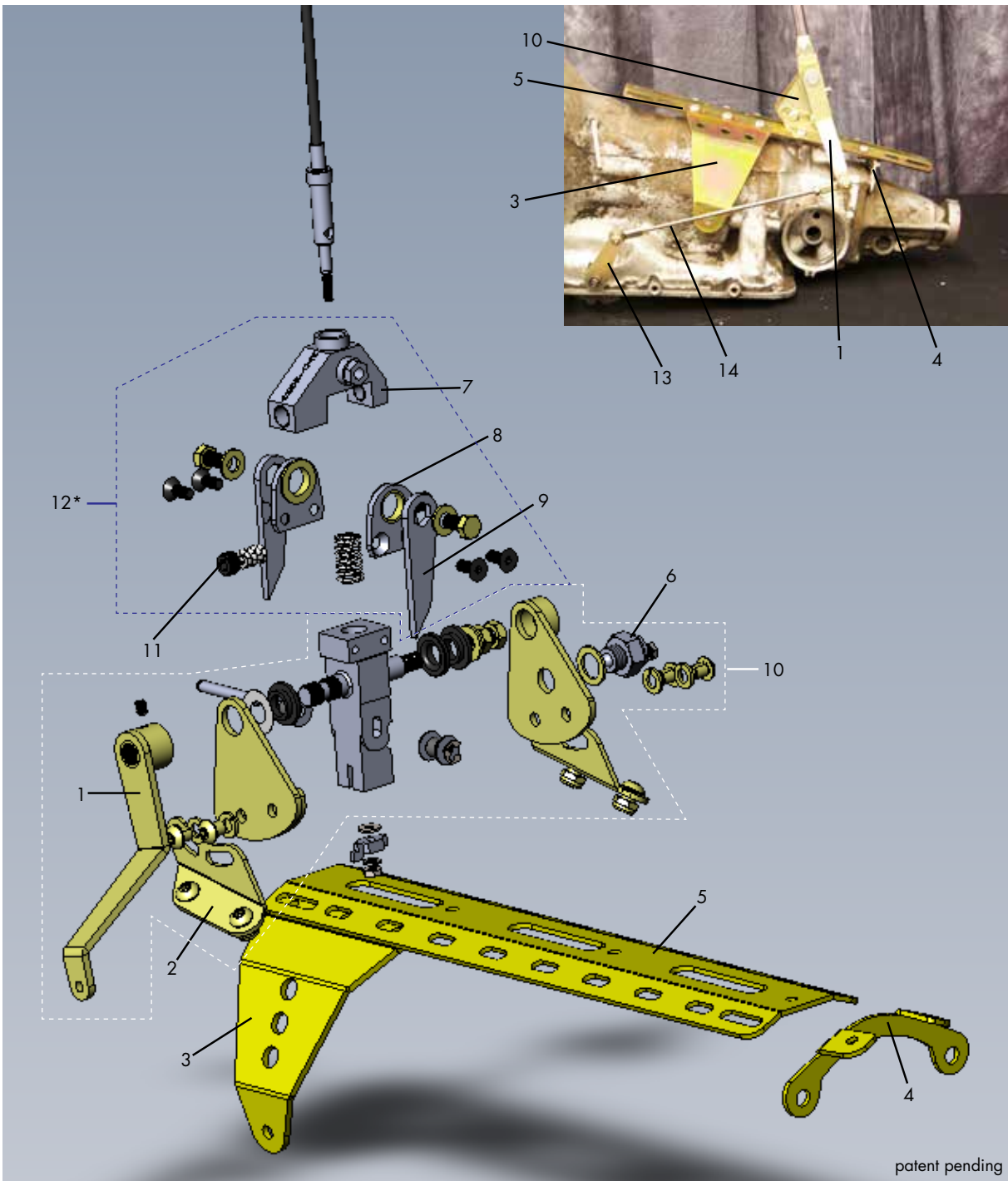


10" Transmission Mount
ASCBH11 - #54094
16" Transmission Mount
ASCBH16 - #54096

ASSEMBLY ILLUSTRATION

IMPORTANT

For reference only. Brackets, linkage and assembly may vary based on your transmission. Please see assembly photos for your transmission.



- 1 – Arm
- 2 – Shifter Assembly Bracket
- 3 – Side Bracket
- 4 – Rear Bracket
- 5 – Top Plate
- 6 – Neutral Safety Switch

- 7 – Stop (set screw on side)
- 8 – Bushing Support
- 9 – Activation Arm
- 10 – Shifter Assembly
- 11 – Activation Spring

- *12 – Side Shift Adapter
Included on Dual Action
Shifter kits only. Also sold
separately.
- 13 – Shift Lever
- 14 – Shift Rod

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The above instructions are for reference only. THG LLC is not responsible for any inaccuracies in the above instructions. THG LLC is also not responsible for any property damage or personal injuries resulting from the above instructions. Installation by qualified automotive professionals is highly recommended.

ASSEMBLY PHOTOS

Left

Right

Rear

Ford C4



Ford C6



Ford FMX



Ford AOD



GM 4L60 & GM 4L60E



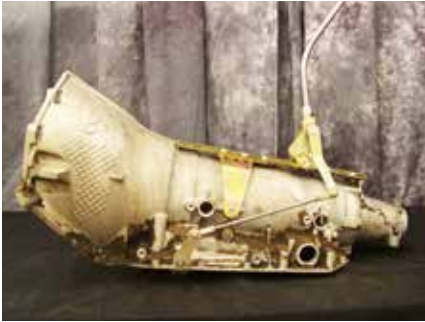
ASSEMBLY PHOTOS

Left

Right

Rear

GM 4L80 (E)



GM 400 TH



GM 700 R4



GM 350 (TH)



GM 200R4



ASSEMBLY PHOTOS

Left

Right

Rear

GM TH200

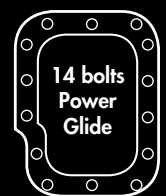
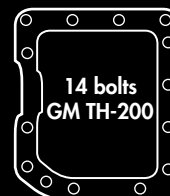
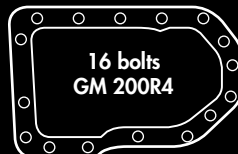
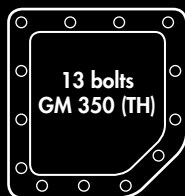
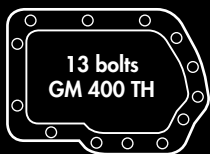
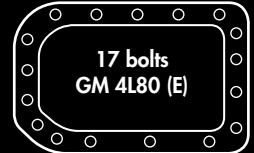
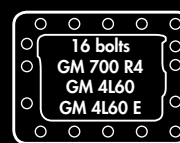
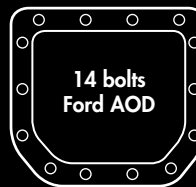
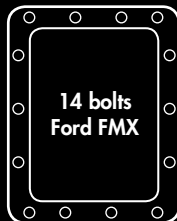
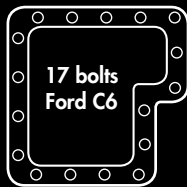
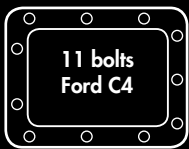


GM PowerGlide



*Please note that when the transmission is in "Park" the "Top Shifter Arm" and "Bottom Shifter Arm" must be in the position shown for your transmission. Refer to the Left hand side photos of your transmission.

PAN BOLT PATTERNS



INSTALLATION STEPS

NOTE

Before starting installation, read the instructions thoroughly. If you have any questions please contact American Shifter technical support before installation. Refer to the assembled photos for proper bracket placement and mounting holes.

1 Side Bracket

Temporarily mount the left and right side brackets to the main plate and transmission using supplied button head bolts and lock washers. Do not tighten at this point to allow for final adjustment later.



2 Tail Bracket

Temporarily attach the rear mounting brackets to the main plate using supplied hardware. **Note:** the bracket tabs should be facing the rear of transmission (toward the back of the vehicle). Do not tighten at this point to allow for final adjustment later.



3 Shifter Mechanism

Note: If you have a dual stage shifter kit, install the side shift adapter before continuing. See "Side Shift Adapter Supplement".

The American Shifter top plate supports multiple mounting positions, allowing front-, mid-, and rear-mounting of the shifter mechanism. Choose the ideal mounting position for your installation and temporarily secure the shifter mechanism to the top plate with the supplied hardware. Put the shifter into park position, then tighten down the hardware. Test the shifter by moving it through the full range of gears and make sure the lever, knob, or any other parts do not have normal movement obstructed. The adjustable shifter assembly brackets allow the shifter assembly to be tilted forward and backwards to give additional clearance at the seat or dash if needed.

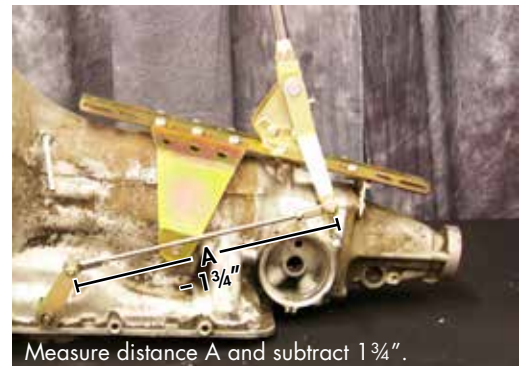


4 Arm & Linkage

Install shift lever on shifter assembly at the park position (around 4:30 if looking at a clock).

Make sure the shifter and transmission are in Park position. To determine the correct rod length, measure from center to center between the two quarter inch holes in the shift lever and arm (A) and subtract $1\frac{3}{4}$ " (see image below). Then cut threaded rod to size and install with the rod bearings and jam nut at each end.

Note: If you have a Ford AOD, see AOD supplement. If you have a GM PowerGlide, see PowerGlide supplement.



NOTE

The images in these instructions are a TH350 transmission and are used for general reference only. Your kit may contain different brackets.

FINE TUNING

Neutral Safety Switch

When neutral safety switch is hooked up, make sure that the engine will not start in Reverse or in a Drive gear. To adjust, use American Shifter's neutral safety switch adjuster washer provided in kit.

Shifting Gear Range

Be sure to test that the shifter can move smoothly throughout all the gears. You should be able to push the button or side shift to get into Park, Reverse to Neutral and Neutral, and Park to Neutral.

Side Shift Adapter

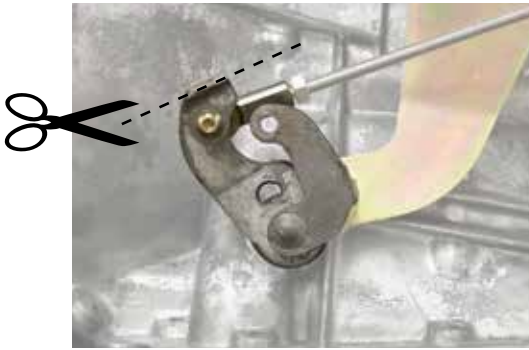
If you have a dual action shifter, you can adjust the pressure required to engage the shifter. Similarly, the stop point is adjustable with the set screw on the upper shifter mechanism on the side.

SUPPLEMENTS

GM PowerGlide Shifter Arm

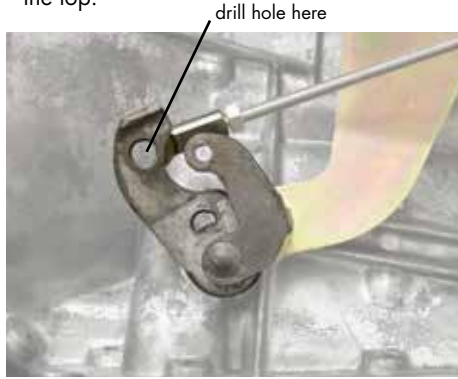
1 Trim factory shift arm

With a cutoff wheel (or hacksaw), trim the elbow of the factory shifter arm as desired.



2 Drill rod hole

Drill a 1/4" hole into the factory shifter arm at the top.



3 Install shift rod

Attach shift rod.



Ford AOD Shifter Arm

1 Loosen shifter arm nut

Loosen the shifter arm nut so that you can rotate the shifter arm to the next index.



2 Rotate shifter arm 180°

Rotate shifter arm 180° to the next index and secure shifter arm nut.



3 Install shift rod

Attach shift rod.



INSTALLATION TIP

Adjustable Ford AOD Adapter

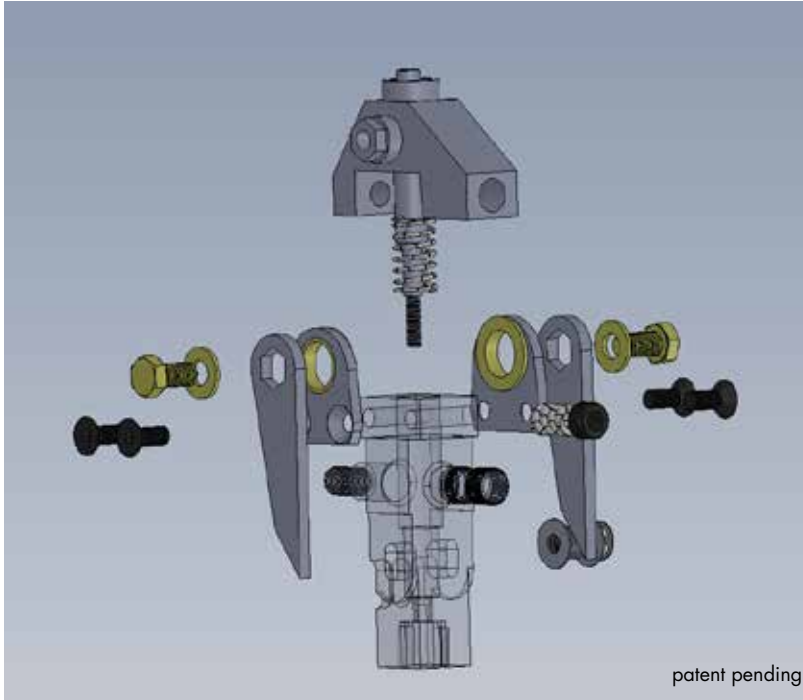
Upgrade your shifter kit with American Shifter's patent pending Ford AOD adapter, allowing you to fine tune your shift linkage for smoother shifting.



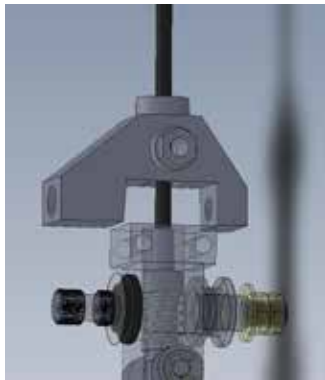
ASCBK026 - # 49872



SIDE SHIFT ADAPTER SUPPLEMENT



1 Remove the shifter arm to expose the shifter cable and slide the upper shifter body onto the lower shifter body.



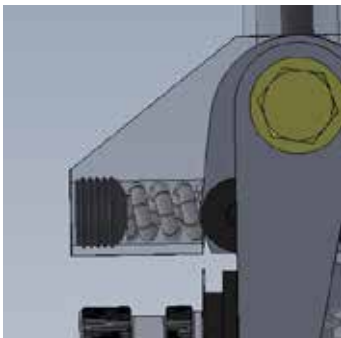
2 Install both bushing supports onto the side shift adapter boss, and secure to the lower shifter assembly with 2 Alan screws.



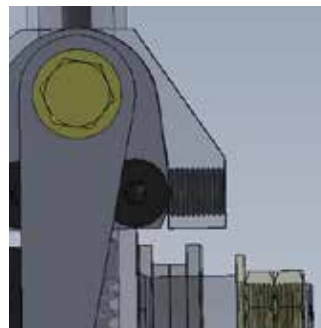
3 While the shifter is in neutral, install the side shift activation arms so that it almost touches or rests on the roller bearing. Then, use the washer and bolt to press the arm onto the hex boss.



4 Set the activation spring pressure to the desired rate for shifting gears when side shifting.



5 Place the shifter arm in neutral at the natural resting position. Then set the shifter stop set screw until it makes contact with the lower shifter body.



6 Reinstall the shifter arm and trim the surplus cable if needed. Test the shifter in each gear and secure all hardware. Adjust the activation & stop screw as necessary.

NOTE

The side shift adapter is only included in the dual action shifter. If you have a single action shifter this information is not applicable.

*Note: If your kit did not come with the shift gate installed, please refer to the diagram on page 2 for installation.