

CUSTOM MADE FLOOR TYPE GEARSHIFTS

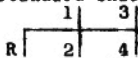
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FOR

SUNBEAM SEDAN, CONVERTIBLE AND ALPINE

This custom made unit is of my own design and manufacture (patent applied for) and incorporates the following features:

1. The unit is well made, simple and rugged.
2. Utilizes a standard shift pattern.



3. Has a short range to facilitate easy and rapid gear change.
4. Incorporates a positive reverse stop to prevent accidental engagement of reverse gear (actuated by a button on top of the shift knob).
5. An appearance in keeping with general lines of the car.
6. Simplicity of installation.

The shift is located in the position normally occupied by the ash tray and for that reason it is unnecessary to cut or alter the floor mat in any way when making the installation. Nothing is done to the floor boards or gearbox which would prevent the original shift from being reinstalled if that were desirable at any time in the future.

This shift will fit the Sunbeam and Alpine, with or without overdrive and regardless of axle ratio. It can be installed in about three hours including the removal of the old gearshift and linkage.

The unit is supplied as a kit and includes instructions for installation.

To date, I have personally installed these units for numerous local Sunbeam and Alpine owners and have sold them in kit form to owners in many states in this country, without benefit of advertising.

All purchasers of the floor shift have been extremely pleased with the results and in no case have they had any difficulty with the installation.

The following information is required when ordering a unit:

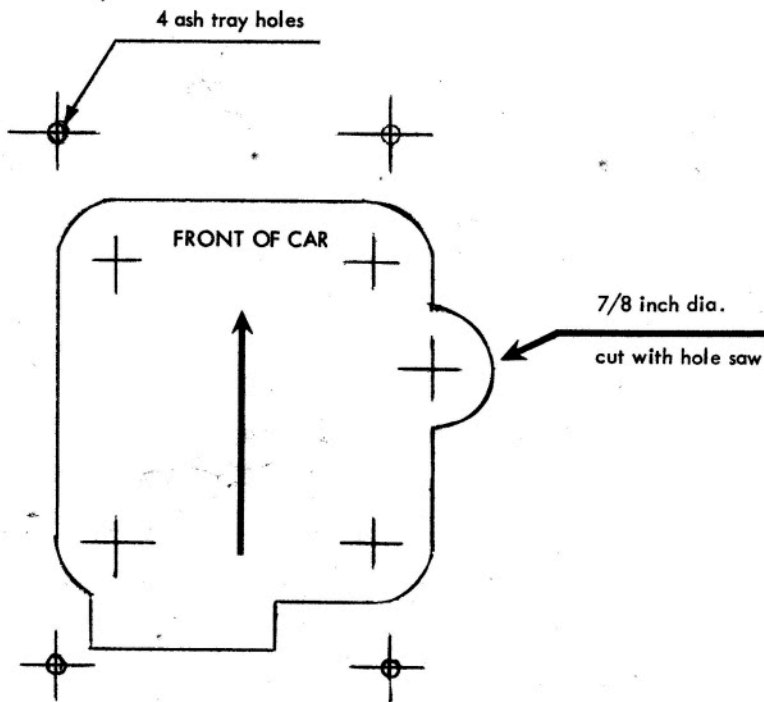
1. Overdrive (yes or no)
2. Color of upholstery (a color sample can be snipped from under the front seat)
3. Model - Sunbeam sedan, convertible or Alpine
4. Serial number of vehicle

If, for any reason, you are not entirely satisfied with the unit, you may return same to me and I will be only too glad to refund the purchase price.

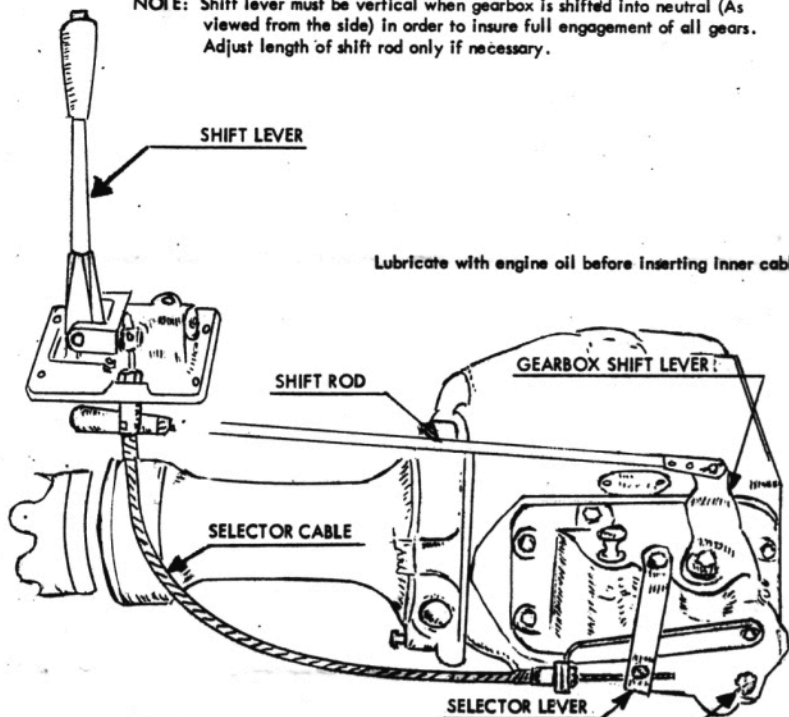
F. W. Kneer  
40-40 Francis Lewis Blvd.  
Bayside 61, New York

TEMPLATE FOR HOLE TO BE CUT IN FLOOR  
(To accommodate shift base plate)

1. Place template carefully on floor so that the four holes of the floor line up with those marked on template. Template may be held in this position with rubber cement.
2. Punch mark center of  $7/8$  inch holes and cut as shown with  $7/8$  inch hole saw.
3. Saw out remaining portion and finish with a file.



**NOTE:** Shift lever must be vertical when gearbox is shifted into neutral (As viewed from the side) in order to insure full engagement of all gears. Adjust length of shift rod only if necessary.



Lubricate with engine oil before inserting inner cable.

**CAUTION:** See paragraph 9

## INSTRUCTIONS FOR INSTALLING AND ADJUSTING FLOOR GEARSHIFT

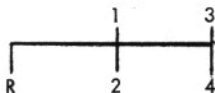
### FOR SUNBEAM-TALBOT AND ALPINE

1. Fold front floor mat and pad forward in order to uncover floor at ash tray and gearbox inspection plate in floorboard.
2. Remove 4 screws securing ash tray to floor.
3. Remove ash tray and asbestos pad to expose floor.
4. Gearshift will be mounted in position formerly occupied by ash tray. (See template for cutting floor)
5. Cut floor as per template.
6. Remove gearbox inspection plate in floor.
7. Remove set bolts securing gearshift lever and selector lever to gearbox shafts and remove levers.
8. From under car disconnect rod from shift cross shaft to gearbox shift lever.
9. Disconnect selector cable from selector lever and remove selector cable bracket from gearbox. (CAUTION: When removing bottom nut from selector cable bracket do not turn screw as this screw is an adjustment for the selector range and was properly set at the factory. This screw can be prevented from turning by holding with a screw driver when removing and replacing nut)
10. Fit new selector cable brackets with a cable attached to gearbox as shown and tighten securely.
11. Fit new selector lever to gearbox and fasten with original bolt and lock tab.
12. Insert inner cable in housing and connect to lever using original trunion clamp. (Do not tighten clamp). Note: Selector cable to be routed over speedometer cable and passing between floorboard and rear engine support member.
13. From inside car work new gearbox lever with rod attached into position and fasten lever to gearbox shaft loosely with original bolt, washer and lock tab. (Note: grind flat on heavy washer to clear bend in lever if necessary)
14. Fit new gearshift base plate into position and maneuver ball joint threaded end into aluminum lever and fasten with lock washer and nut.
15. Tighten shift lever to gearbox shaft.
16. Fasten base plate to floor with new screws supplied with kit.

17. From under car push selector cable into hole in shift base plate and secure cable from top with nut.
18. Pull inner selector cable into position through fitting in selector lever of base plate. (Use original trunion clamp)
19. From under car tighten selector inner cable clamp leaving approximately 1/2 inch of cable protruding from fitting.
20. TO ADJUST SELECTOR CABLE:
  - a. Place gearshift lever in neutral position.  
(Shift lever vertical when viewed from side)
  - b. Push selector inner cable down as far as it will go.
  - c. Move shift lever to the right against its stop.
  - d. Tighten selector inner cable clamp.
21. Gearbox will now shift into all gears as per pattern:

#### SHIFT PATTERN

Note: Depress red button to engage reverse gear.



F WKneer  
May 1959