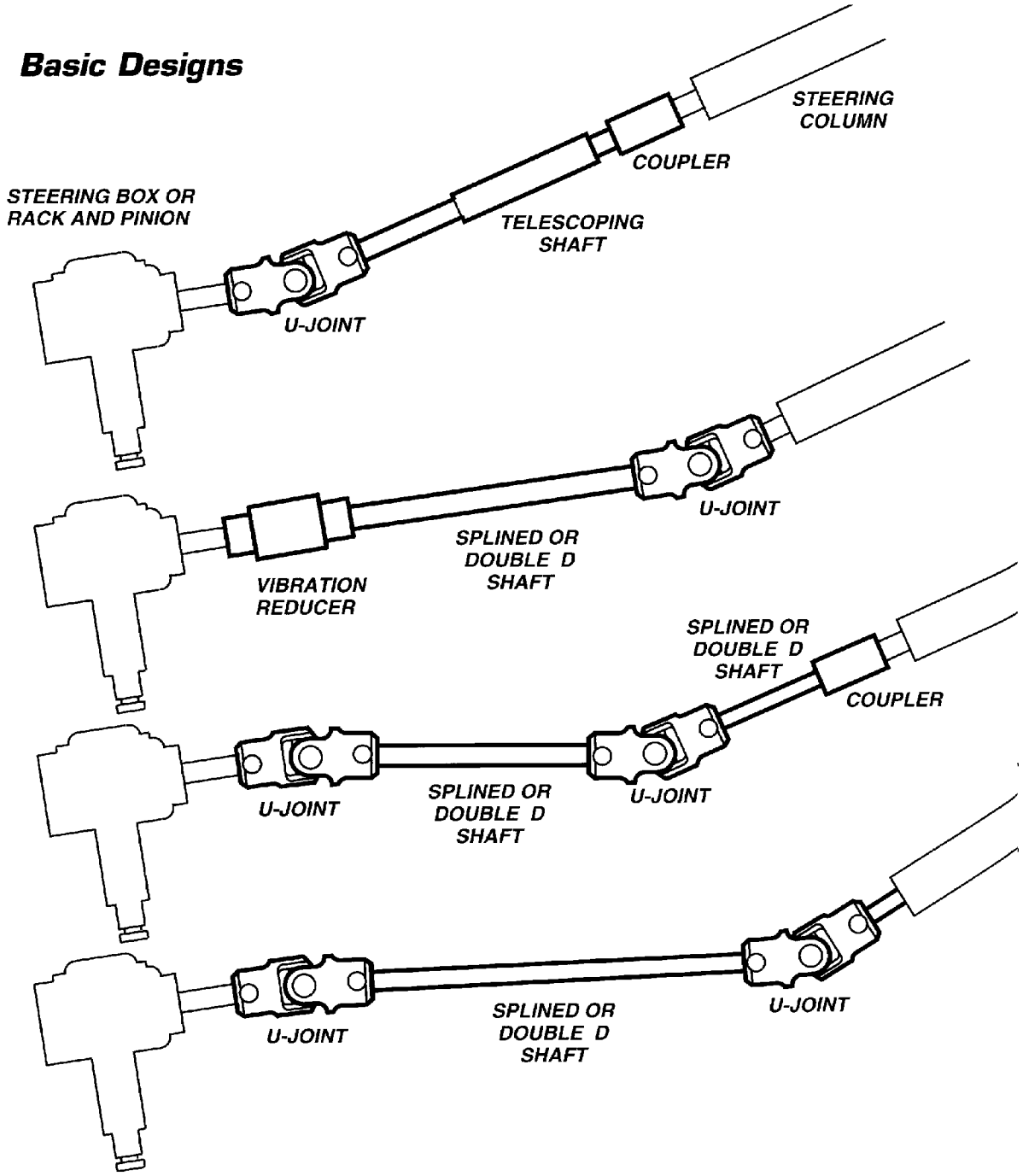
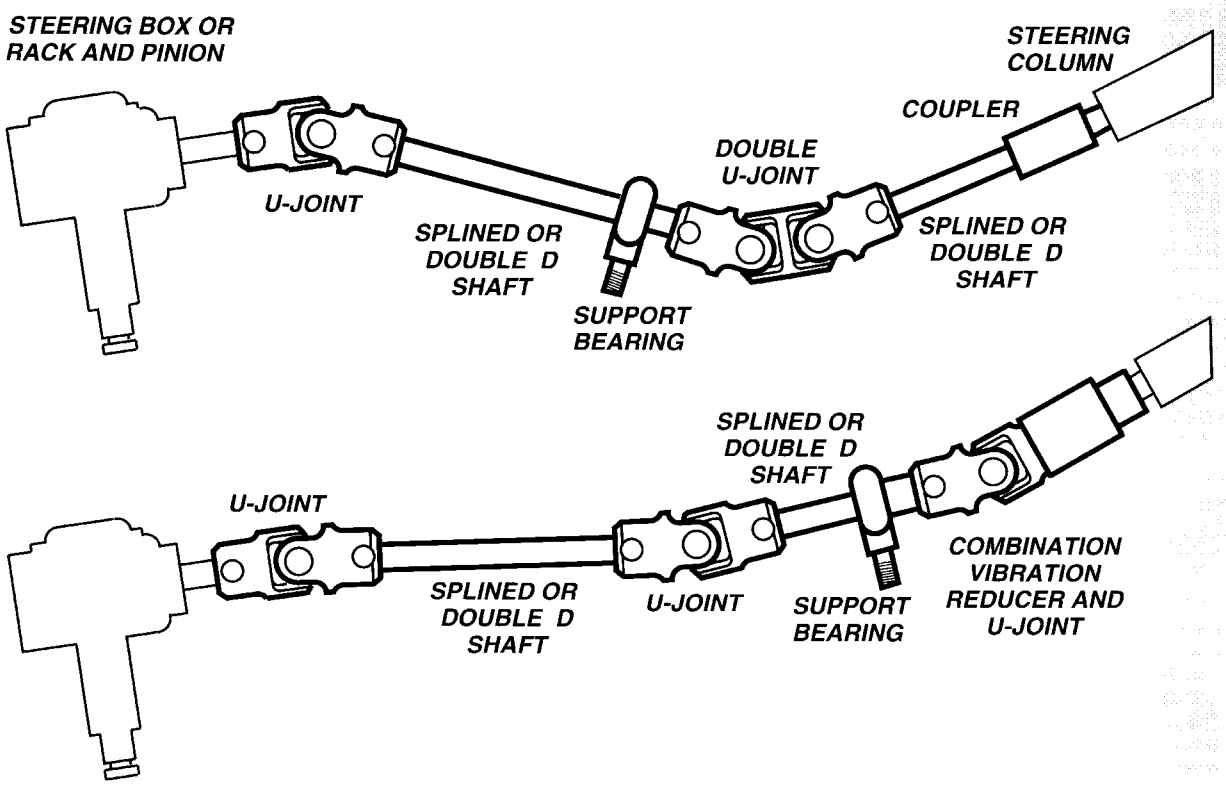
Designing your steering system

Often the steering system in a Street Rod is designed late in the building process. We would recommend that the steering should be mocked up at the time the engine and exhaust components are installed. Positioning of the column, shafts, and u-joints with respect to the engine, exhaust and steering box early on can help in selecting the correct parts. With the wide selection of our u-joints, shafts, and vibration reducers, any system can be designed or modified to result in car that is not only safe but a pleasure to drive. Keeping a system simple is the best course, but even a system with up to 10 u-joints can be designed as long as the proper phasing and supports are used. Remember the support bearing if more than 2 joints are used.

Our tech support staff is only a phone call away if you have questions. Their experience can help you design the right system for your vehicle. You can reach us at 860-482-8283 Monday-Friday 7:30 AM to 5:00 PM Eastern Time.

Basic Designs

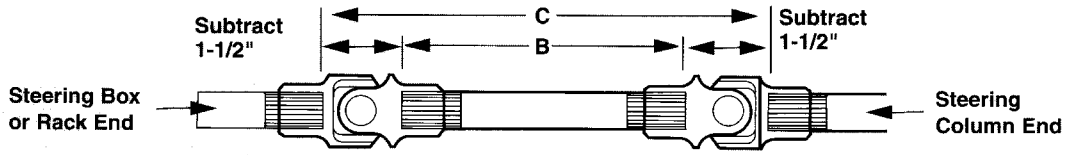




HOW TO:

Determine splined shaft length with two u-joints

1 Measure the distance from the end of the column to the box/rack (Dimension C)
2 Subtract 3" from this measurement.
3 Order the next even size shaft (Dimension B)
EXAMPLE: If "C" is 18" —subtract 3" (1-1/2" for each joint). "B" is 15". Order a 16" shaft and trim a total of 1" from the shaft, either from one or both ends.



Determine splined shaft length with one u-joint and u-joint/vibration reducer combination

1 Measure the distance from the end of the column to the box /rack (Dimension C)
2 Subtract "4" from this measurement.
3 Order the next even size shaft (Dimension B)
EXAMPLE: If "C" is 19" —subtract 4" (1-1/2" for a joint and 2-1/2" for the vibration reducer). "B" is 15". Order a 16" shaft and trim 1" from the shaft, either from one or both ends.

Determine splined shaft length with three or more u-joints

1 Buy the u-joints first
2 Install a joint on the column and one on the box/rack
3 Use dowels or PVC pipe and mock up the system around obstacles.
Order the correct shaft lengths based on dowel/PVC lengths.

Adding a vibration reducer to an existing steering system There are various ways of adding a vibration reducer to a system. Because of the difference in shafts, u-joints, racks, boxes, and columns, we recommend you call our technical support staff. We can suggest options that will result in the best steering system for you.