

**V-Twin MFG.**  
**XL Chrome Forward Control Kit**  
**VT No. 22-0766**  
**For use on 1986-1990 XL Models**

**This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.**

This kit is designed for installation on 1986-1990 XL Sportster models and includes all parts required to make a complete conversion from the standard controls to forward controls.

**LEFT (SHIFTER) SIDE**

1. Remove stock footrest assembly and save footrest for re installation. Replace existing socket head cap screws that attached footrest bracket to primary cover with washers and shorter screws from kit.
2. Remove stock shift lever and save shifter peg and mounting screw.
3. Remove left side stock motor mount and save nuts, washers, and P-clamp for clutch cable. The bolts will be replaced. See Figure below.
4. Put Loctite 243 on threads of left side foot control support and thread support into left side machine motor mount. Install C-clip onto support where it exits the backside of machine motor mount to hold support in place.
5. Install left side motor mount assembly in place of stock motor mount using washers and nuts saved from step 3, and bolts from kit. Tighten bolts to 25-30 ft-lbs. Make sure to reinstall the P-clamp and clutch cable in the same hole location they were removed from in step 3.
6. Install shift lever from kit using stock fastener.
7. Put Loctite 243 on threads of clevis mounting screw and install shift lever pedal, clevis, and footrest, as shown. To install footrest, place a spring washer, along with the mount end of the foot peg, inside the slots of the clevis. Make sure the spring washer is positioned inside the clevis with the square edge towards the inside. Secure foot peg and spring washer with bolt and locknut. Tighten lock nuts to 19ft-lbs.
8. Assemble tie rod ends and jam nuts to shift rod and connect assembly to shift lever pedal and shift lever with washers and bolts. Make sure that the bends in the shift rod are positioned properly as shown below.

**RIGHT (BRAKE) SIDE**

1. Remove exhaust system according to Service Manual instructions.
2. Remove clip that holds brake line on sprocket cover.
3. Remove the two socket head screws that hold the rear brake master cylinder in place. Loosen rear brake jam nut at master cylinder. Turn push rod at flats until rod end is free.
4. Remove the three screws that hold the sprocket cover in place.
5. Remove the cotter pin and nut that holds the footrest mount in place. Replace the footrest mount with socket head cap screw from kit and reinstall the nut removed from the foot peg. Save footrest for re installation. See Photo below
6. Reinstall sprocket cover and brake line clip.
7. Remove right side stock motor mount and save nuts and washers. The bolts will be replaced. See photo 1 above.
8. Put Loctite 243 on threads of right side foot control support and thread support into right side machine motor mount. Install C-clip onto support where it exits the backside of machine motor mount to hold support in place.
9. Install right side motor mount assembly in place of stock motor mount using washers and nuts saved from step 3, and bolts from kit. Tighten bolts to 25-30 ft-lbs.
10. Install brake pedal assembly into master cylinder by turning push rod at flats to thread on rod end. Adjust rod length with jam nut until brake pedal has reached a 45 degree angle.
11. Put Loctite 243 on threads of clevis mounting screw and install clevis, and footrest (stock), as shown. To install footrest, place a spring washer, along with the mount end of the foot peg, inside the slots of the clevis. Make sure the spring washer is positioned inside the clevis with the square edge towards the inside. Secure foot peg and spring washer with bolt and locknut. Tighten lock nuts to 19 ft-lbs.
12. Reinstall exhaust system according to Service Manual procedures.

**Items contained in kit:**

Item	Description	Item	Description
1	Bolt (2)	13	Shift lever pedal
2	Bolt (2)	14	Shift lever (transmission), chrome
3	Hex socket cap screw	15	Foot control support, LH
4	Screws (2)	16	Foot control support, RH
5	Washers (4)	17	Foot rest clevis (2)
6	Hex jam nuts (3)	18	Brake pedal
7	Lock nuts (2)	19	Screw
8	C-clips (2)	20	Spring washers (2)
9	Rod shifter	21	Socket head cap screws (2)
10	Machine motor mount, RH	22	Bolts (4), 3/8-24 x 1-1/4 in. long
11	Machine motor mount, LH	23	Bolts (2), 3/8-24 x 5-1/2 in. long
12	Tie rod ends (2)		

