CHROME FORWARD CONTROL KIT FOR SPORTSTER MODELS 1986 to PRESENT. REV 3-02

Installation procedures:

CAUTION :
PLEASE READ THIS ENTIRE INSTRUCTION SHEET BEFORE BEGINNING INSTALLATION OF THIS KIT.

(1) Remove all existing forward controls and hardware as needed including brake and shift controls as required.
(2) Keep all hardware & parts as some will be needed for assembly.
(3) Assemble left pivot shaft # 4 onto the left frame/motor mount plate # 2.
(4) Assemble right pivot shaft # 3 onto the right frame/motor mount plate # 1
(5) Secure both assemblies with cir-clip # 18
(6) By removing and replacing case bolts one at a time this will help to maintain the correct alignment upon installation of the frame/motor mount plates. Use bolts # 14 & # 17 with the existing nuts and loosely assemble left hand & right hand frame/motor mount plates # 1 & # 2 into place on the motorcycle, as illustrated.
(7) Check and secure any wiring or cable clamps at this time if present also.
(8) Replace original clevis that secures brake lever arm with the supplied socket head screw # 15 also the master cylinder replacement screws # 16 if desired.
(9) Tighten all hardware securely.

Brake control side:

(10) Grease pivot shaft # 3 and slide brake lever # 5 onto pivot shaft. Secure the brake lever using foot peg clevis # 8 with socket head screw # 21. Rotate foot peg clevis to a desired position then tighten socket head screw to 26ft lbs.
(11) Mount the existing foot peg onto the clevis using hex head bolt # 20 with spring washer # 24 and ny-lock nut # 23. Tighten hardware until foot peg securely folds up and down in the correct position.
(12) Install brake rod # 9 with jam nut # 13 into the existing master cylinder. Attach the opposite end onto the brake lever using brake rod pin # 10 and cotter pin # 11. Adjust the brake rod linkage to achieve a smooth operation and proper brake pedal "free play" specifications.
(13) Reinstall exhaust system, replace exhaust gasket if required, tighten all hardware to OEM specifications.

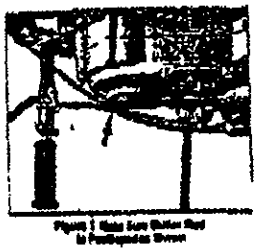
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(14) Grease pivot shaft # 4 then slide shift lever arm # 6 onto pivot shaft. Secure the shift lever arm using foot peg clevis # 8 with socket head screw # 21. Rotate foot peg clevis to desired position then tighten socket head screw to 26ft lbs.

(15) Mount the existing foot peg onto clevis using hex head bolt # 20 with spring washer # 24 and ny-lock nut # 23. Tighten hardware until foot peg securely folds up and down in the correct position.

(16) Install the transmission shift lever # 7 onto the shift lever shaft. (lever points downwards) . Secure the shift lever using the existing socket head screw. (see Fig# 1 below)

Please Note: for 86 to 90 models use optional shift lever kit supplied. #7A

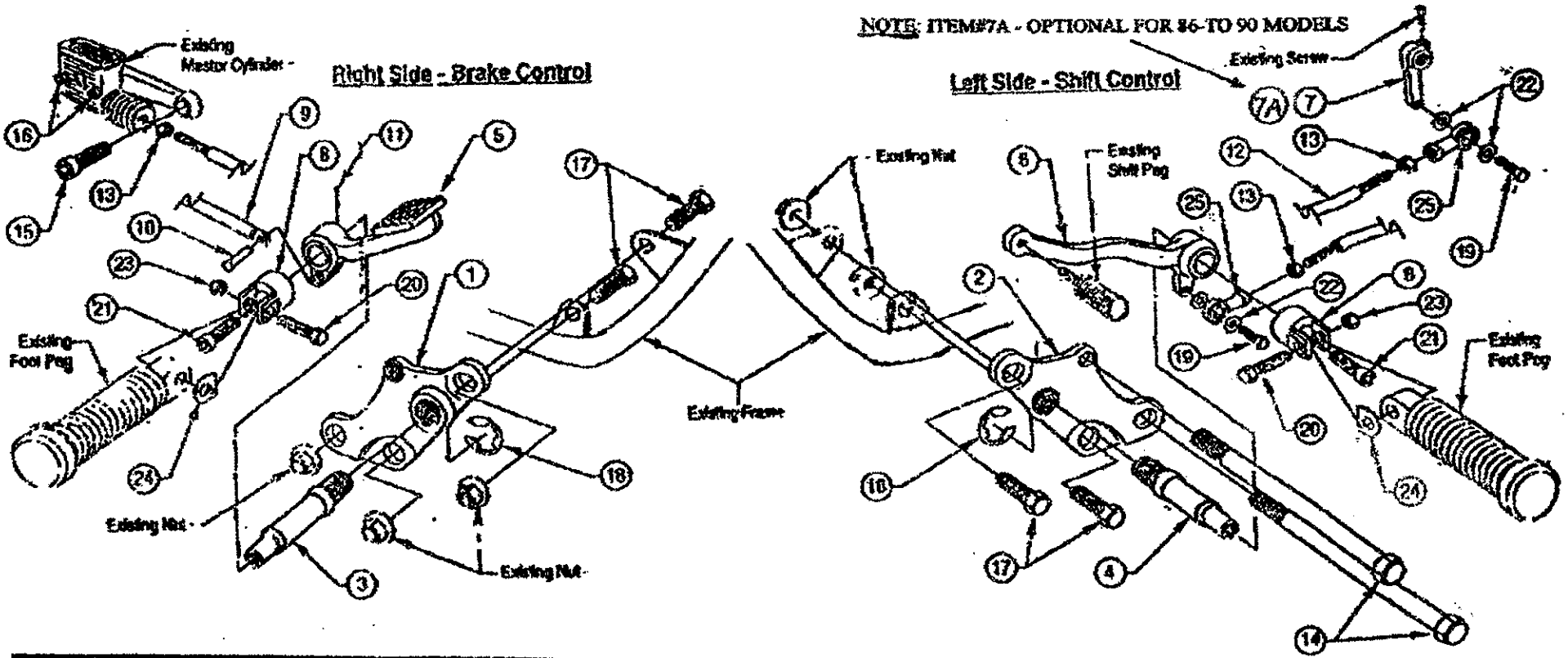


(17)Loosely assembly the shift rod # 12 with Jam nuts # 13 and heim joints # 25. Attach the shift rod linkage onto the shift lever arm and the transmission lever using the hex head bolts # 19 with the flat washers # 22. Tighten both hex head bolts to 16ft lbs. Adjust the shift rod linkage to achieve an all gear operation and proper clearance from primary cover. Tighten all hardware to OEM specifications.

(18) NOTE – Use Loctite 243 on all bolt threads during assembly, by applying to the first 3 threads of each bolt. (see illustration for kit contents.)

(19) CAUTION – Refer your service manual or dealer and if any of the procedures are not within your capabilities, or you do not have the correct tools, have your local authorized motorcycle dealer perform the installation.

GENERAL: This kit fits 1986 and later XL models and includes all parts required to make a complete conversion from the standard controls to forward controls.



BILL OF MATERIALS - NOTED: ITEM# 7A -- OPTIONAL SHIFT LEVER KIT FOR 86-90 MODEL 86-90 MODEL SPORSTERS

QTY	ITEM	DESCRIPTION	REP. OEM#
1	1	FRAME/MOTOR MOUNT-RIGHT SIDE	16294-99
1	2	FRAME/MOTOR MOUNT-LEFT SIDE	16297-99
1	3	PIVOT SHAFT-RIGHT SIDE	42590-98
1	4	PIVOT SHAFT-LEFT SIDE	42589-98
1	5	BRAKE LEVER PEDAL	49300-98
1	6	SHIFT LEVER ARM	49302-98
1	7	TRANSMISSION SHIFT LEVER	34963-99
2	8	FOOT PEG CLEVIS	42591-98
1	9	BRAKE ROD	
1	10	BRAKE ROD PIN	
1	11	COTTER PIN	
1	12	SHIFT ROD	11764
3	13	HEX JAM NUT 5/16"-24 X 3/16"	94043-90

QTY	ITEM	DESCRIPTION	REP. OEM#
2	14	HEX HEAD BOLT 3/8"-24 X 5-1/2"	4413
1	15	SOCKET HEAD SCREW 1/2"-20 X 1-1/2"	3549A
2	16	SOCKET HEAD SCREW 5/16"-18 X 3"	897
4	17	HEX HEAD BOLT 3/8"-24 X 1-1/4"	4337W
2	18	C-CLIP	11302
2	19	HEX HEAD BOLT 5/16"-18 X 1"	94194-91T
2	20	HEX HEAD BOLT 3/8"-16 X 1-1/2"	94236-91T
2	21	SOCKET HEAD SCREW 3/8"-16 X 1-1/4"	4748
4	22	FLAT WASHER 5/16"	6016
2	23	NYLON NUT 3/18"-16	7778
2	24	SPRING WASHER 3/8"	50912-72
2	25	HEIM JOINT	33871-85A
1	26	LOCTITE 243	