



# FORWARD CONTROL EXTENSION KIT FOR DYNA

## 9049

FITS: '03 AND LATER FXDWG AND ANY DYNA MODELS USING H-D FORWARD CONTROLS PART NUMBER 49080-03

PART#	INCLUDED
401250	2 Extension Plate – Chrome
401251	2 Counter Sunk Trim Plate – Chrome
409049	1 Brake Rod – Chrome
200331	2 5/16-24 Hex Nut
401253	1 Shift Rod – Chrome
200336	2 5/16-24 Shrouded Jam Nut
400526	2 Ball Joint – Chrome
909049	1 Hardware Kit Including the Following:
200234	4 3/8-16 X 1-1/4" Flat Socket Cap Screw
209049	4 3/8"-16 x 1-1/8" Socket Head Cap Screw
200460	4 3/8-16 Nylock Nut – Chrome
200335	2 5/16-24 Nylock Nut – Chrome
401303	1 Female Clevis, Internal Threads 5/16-24
400373	1 1" Clevis Pin – Stainless Steel
200045	1 Cotter Pin
200032	1 .256 X .406 X .030 Flat Washer – Stainless Steel
309049	1 Instruction Sheet

### TOOLS SUGGESTED

T45 Torx wrench, Set of American combination wrenches, Set of American Allen wrenches

### PROCEDURE AVERAGE TIME: 90 MINUTES

**STEP 1** Remove complete shift and brake linkages from the bike. Remove complete shift and brake plates from the bike. See [PIC.1](#), [PIC.2](#), [PIC.3](#), and [PIC.4](#) for appearance of the removed plates and linkages. [PIC.1](#) and [PIC.2](#) show the brake side. [PIC.3](#) and [PIC.4](#) show the shift side.



**STEP 2** Using your 5/16", 1/2" and 5/8" wrenches and your 5/16" Allen wrench attach the brake side forward control extension. Start by putting two flat socket cap screws through the holes in one of the counter sunk trim plates and through an extension plate. Then thread the cap screws into the bolt holes that the stock controls were attached to. Tighten fully using your 7/32" Allen wrench.



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Fasten your stock brake pedal mount by threading two socket head cap screws through the mount and into the extension plate. Tighten fully using your 5/8" Allen wrench. Thread two 3/8-16 Nylock nuts on the ends of the socket head cap screws and tighten fully using your 5/8" wrench. See [PIC.5](#) for the finished installation of the brake side.

**STEP 3** Install the rear end of the brake rod in the reverse manner as the stock one was removed. Install the front end of the brake rod by threading the female clevis onto the rod. Insert the clevis pin through the clevis and brake pedal arm in the reverse manner as the stock one was removed. Secure the clevis pin using the small flat washer and the cotter pin. When adjusted, fully tighten the jam nuts on the brake rod. See [PIC.5](#) for the finished installation of the brake side.

**STEP 4** Using your 5/16", 1/2" and 5/8" wrenches and your 5/16" Allen wrench attach the shift side forward control extension in the same manner as you installed the brake side. See [PIC.6](#) for the finished installation of the shift side.

**STEP 5** Test fit your new shift linkage by reinstalling in the reverse fashion as it was removed. Adjustments can be made to the length of the linkage by threading the ball joints further on to the linkage or backing them off depending on what provides the safest and most comfortable shifting position. Make sure the ball joints bite at least five full threads of the linkage.

When the preferred position is achieved thread the lock nuts towards the ball joints and tighten fully. Secure the linkage in place threading the supplied Nylock nuts on to the ball joints at the toe and rear shift levers.

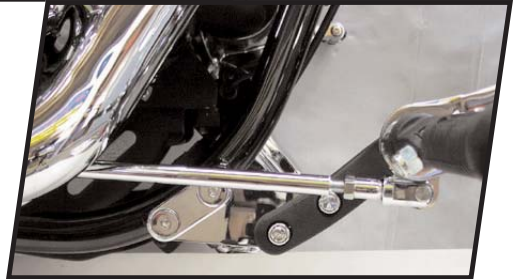
PIC. 3



PIC. 4



PIC. 5



PIC. 6



*Ride On!*

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**FORWARD CONTROL EXTENSION KIT INSTALLATION**