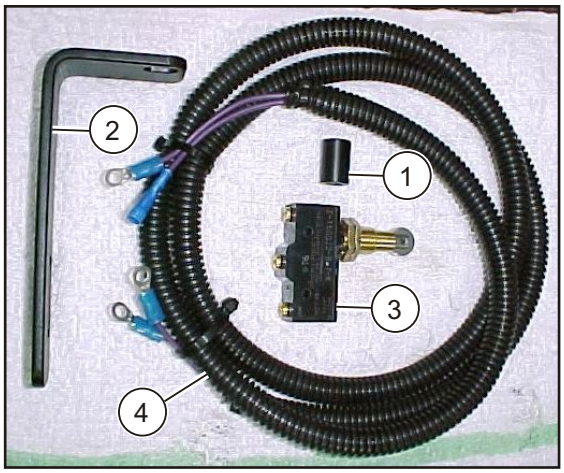
Instructions, Neutral Switch Retrofit - Q3035 and SP3035

Instruction Sheet P/N 37471 **May 02, 2006**

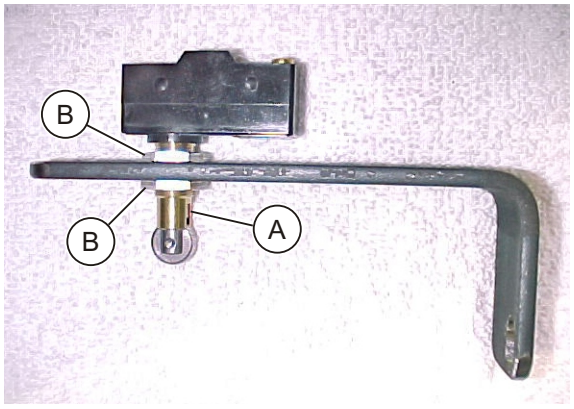
The following instructions detail procedure for installing a neutral switch on your 3035 Series Saw. It is not intended to take the place of a parts or operation manual shipped with the saw. Refer to your Operation Manual for further SAFETY, OPERATION, and MAINTENANCE information. If for some reason you did not receive a manual with your saw, contact Multiquip at (800) 421.1244 for a replacement.

TOOLS REQUIRED:
½" wrench, 17mm wrench, wire stripper/ crimper, med. flat blade screwdriver, continuity tester, (multimeter or test light).

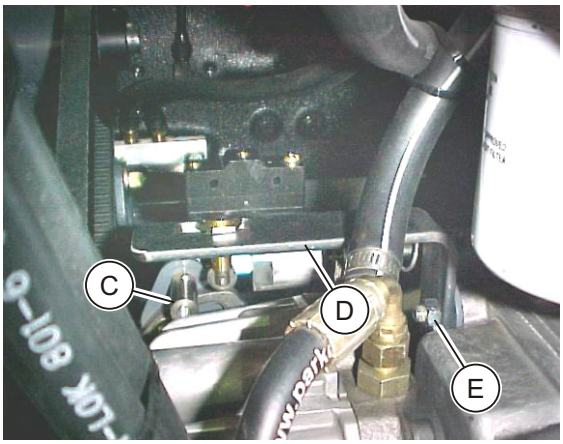
PARTS TO INSTALL:



ITEM	P/N	DESCRIPTION
	37467	KIT, NEUTRAL SWITCH ASM
1	37469	SLEEVE
2	37468	MOUNT, BRACKET
3	37203	SWITCH, ROLLER PLUNGER
4	37470	HARNESS, WIRE

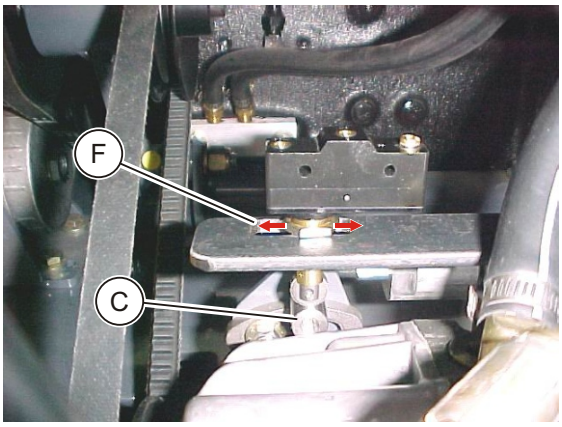


1. Fit switch plunger rod (A) through slot on bracket. Position about halfway and leave adjuster nuts (B) loose enough for later adjustment.



2. Screw sleeve(C) into exposed 1/4-28 threads of the Rod End Ball Joint and tighten.

3. Remove existing 5/16-18 nut (E) on transaxle and mount the bracket with switch, (D) flat side up and parallel to the frame. Reinstall nut (E) and tighten.



4. Rotate Pump Control Lever until sleeve cylinder (C) is at its highest point, (Neutral Position).

5. Slide Switch Plunger in slot (F) until it is directly aligned over the sleeve cylinder.

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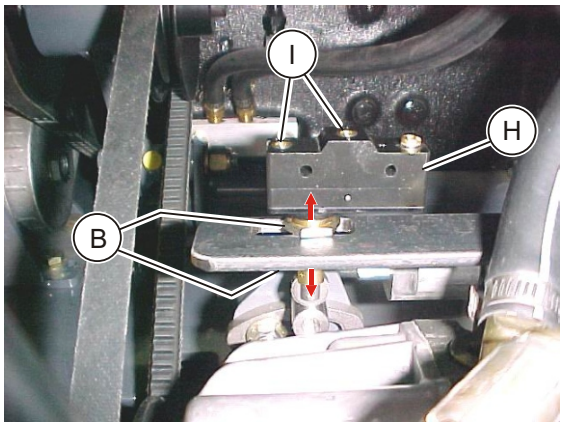
Switch Adjustment

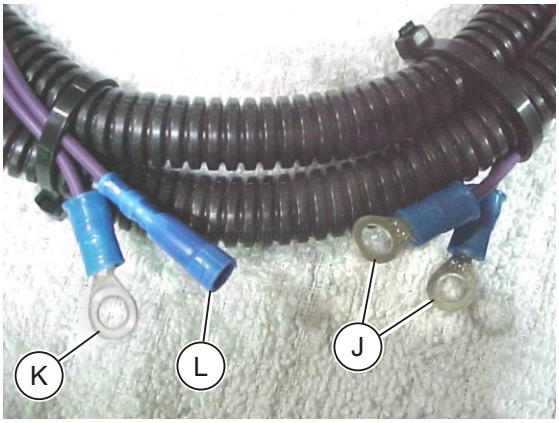


NOTE: Continuity tester leads at the middle and left terminals (I) will show continuity when the switch is “ON”.

6. Adjust switch (H) up or down using adjustment nuts (B), so the switch is “ON” when the Sleeve Cylinder is ONLY at it’s highest point. Any other position of the Sleeve Cylinder off of the highest point should indicate the switch is “OFF”.

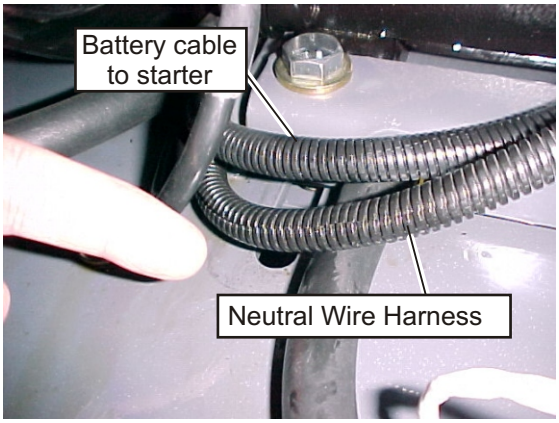
7. When adjustment is complete, tighten adjustment nuts to secure switch (H) in position on bracket.

Wire Routing and Connections

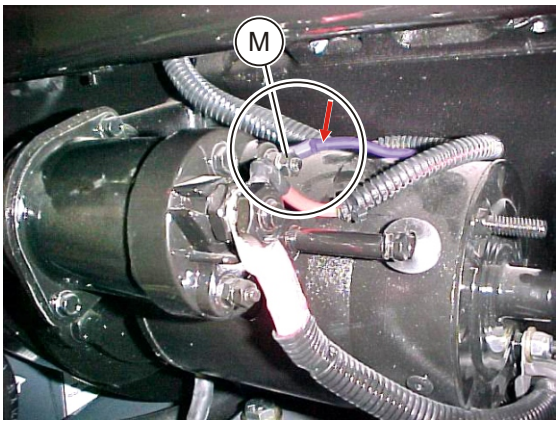


NOTE: For SAFETY, disconnect battery cables while routing harness and making connections.

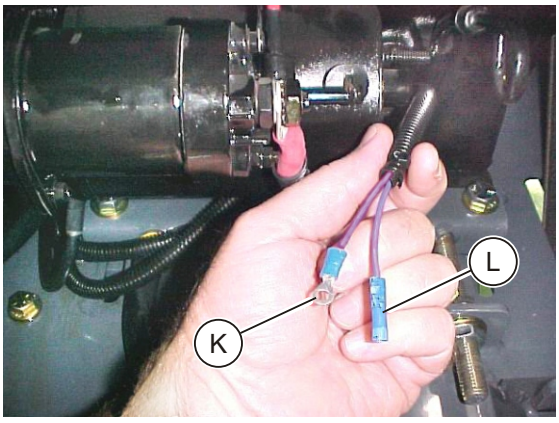
8. Route wire harness from kit under fly-wheel fan housing along side existing positive battery cable. Eyelets (J) will connect to the new switch while eyelet (K) and splice (L) will route to the starter.



9. Connect eyelets (J) to switch terminals (I). (Either eyelet on either terminal).



10. Remove nut holding existing purple wire on starter solenoid (M). Cut eyelet off of this wire (arrow).



11. Strip the end of the cut wire and crimp stripped end into butt (splice) connector (L).

12. Place eyelet (K) onto starter solenoid lug, reinstall and tighten nut (M).

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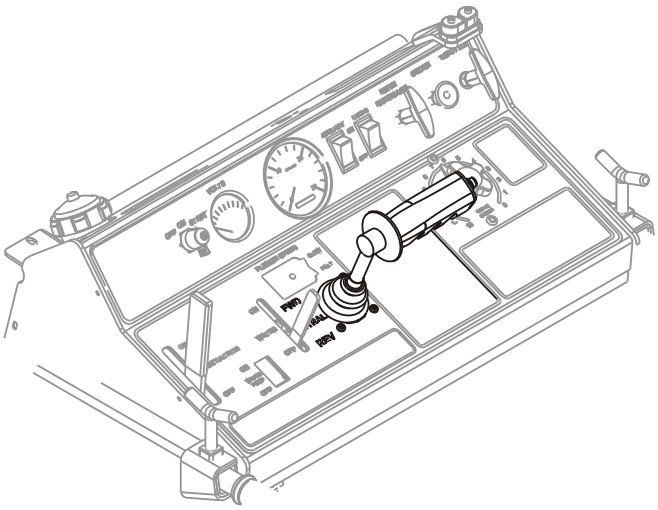
13. Ensure the routing of the harness is well protected and secure.

14. Reconnect battery cables.

Testing the Operation of the Neutral Switch

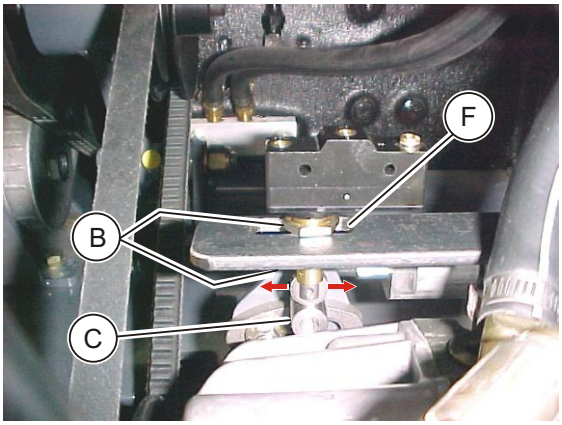


15. Position the Forward/Reverse Lever in the “Neutral” position. Following all safety and operational procedures, test that the engine cranks and starts.

NOTE: Saw SHOULD NOT MOVE under its own power when it is in the NEUTRAL position.

16. If unit moves at all (forward or reverse) with the engine running find the neutral position by moving the control lever until the unit stops moving.

    Shut the engine OFF.



17. Adjust the position of the switch by loosening the locknuts (B) and sliding the switch in slot (F) until the roller on the plunger is at the highest point of the cylinder sleeve (C). Re-tighten locknuts.

18. Retest operation.