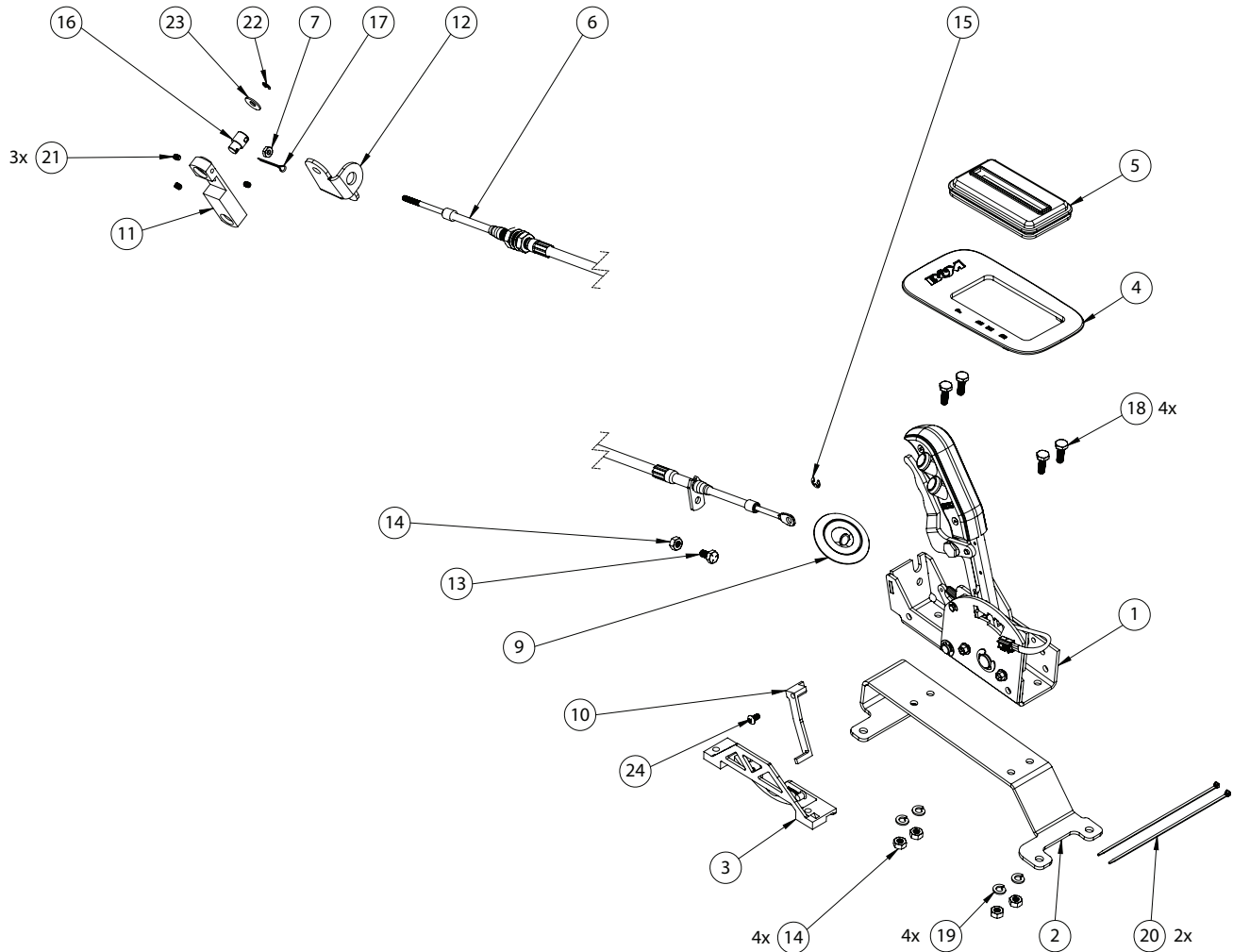




Installation Instructions
81162
 2012-18 WRANGLER JK
 3.6L ENGINE
 AUTOMATIC TRANSMISSION ONLY



ITM #	PART #	DESCRIPTION	QTY.
1	4001836	Black Pro Stick Shifter	1
2	4001852	Bracket	1
3	4001853	Switch Bracket	1
4	4001854	Top Cover Plate	1
5	4001855	Rubber Boot	1
6	4000991	Cable	1
N/A	81162BA	Hardware Package includes:	1
7	3400636	#10-32 Hex Nut	1
8	3401158	Red Thread Lock	1
9	4101397	Cable Weather Seal	1
10	4001856	Sensor Pin	1
11	4001857	Cable Lever Adapter	1
12	4001859	Cable Bracket	1

ITM #	PART #	DESCRIPTION	QTY.
13	3400104	1/4-20 x 1/2 Hex Screw	1
14	3401555	1/4-20 Nut	5
15	3400115	Retainer Ring	1
16	1940005	Cable Pivot	1
17	3400119	1/16 x 1.00 Cotter Pin	1
18	3400226	1/4-20 x 3/4 Hex Screw	4
19	3401557	1/4\" Split Lock Washer	4
20	5000250	6\" Zip Tie	2
21	3401547	10-32 x 1/4 Cup Point Set Screw	3
22	3401661	External Retaining Ring	1
23	3401662	Disk Spring	1
24	3401633	10-24 x 3/8\" Hex Screw	1

PRODUCT FEATURES:

PARK BRAKE INTERLOCK: This feature is a safety mechanism which prevents driver (with key on) from shifting out of "PARK" without first depressing the brake. On this B&M shifter, the trigger lever will take the place of the park brake interlock function. Make note of this before you go on your first test drive after completing installation.

REVERSE LOCKOUT: On typical B&M racing shifters, this feature is a safety mechanism which prevents driver from shifting into reverse once neutral or any forward gear has been selected. On this B&M shifter, the trigger level performs the reverse lockout function. Make note of this before you go on your first test drive after completing installation.

OVERVIEW:



1. Take a moment to read and understand these instructions before installing your B&M Console Pro Stick Shifter.

NOTE: Please inventory all parts before starting the installation process and call our tech line to report any missing parts. This will help avoid potentially stranding your vehicle until any missing replacement parts arrive.

2. Raise vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, support vehicle with jack stands.

WARNING:

For maximum safety, perform this installation on a clean, level surface with engine turned off.

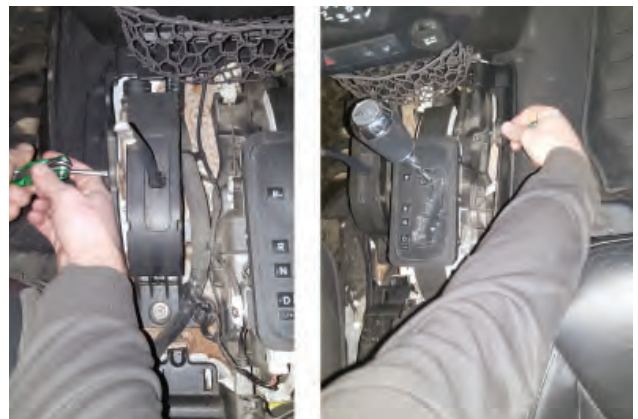
PREPARE VEHICLE FOR INSTALL:



3. Set transfer case shifter into "4H" then remove handle from stem by pulling directly upward.



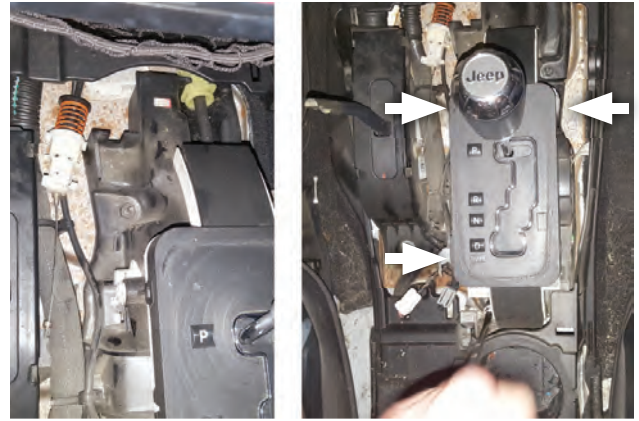
4. Release console top and remove it up and off of shifter.



5. Remove screws (x2) from each side securing console. Retain them for later use.



6. Remove screws (x2) securing rear of console. Retain them for later use. Do not remove console from vehicle.



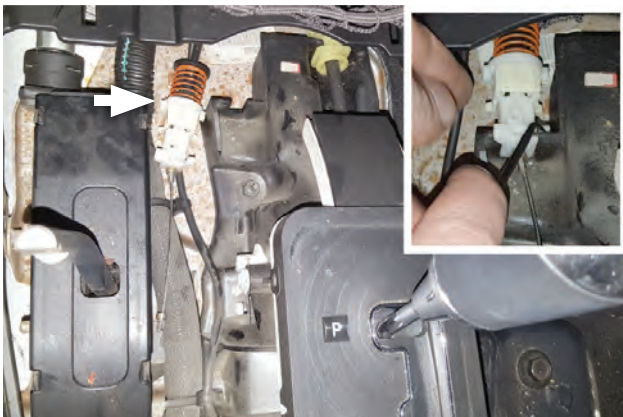
9. Remove and retain nuts (x3) securing shifter to transmission tunnel.



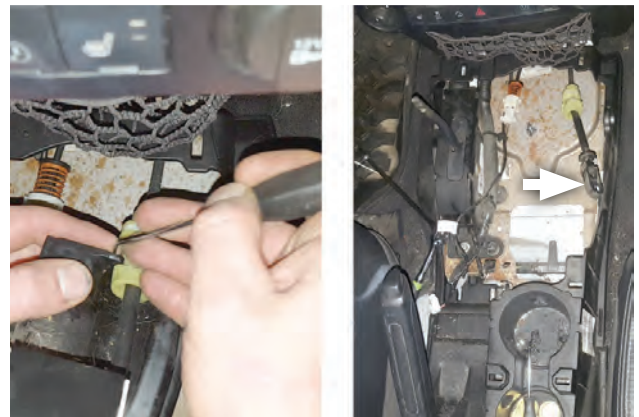
7. Disconnect wiring connectors from shifter and console.



10. Lift console to unhook tabs, move it aside then remove and retain remaining nut from shifter.



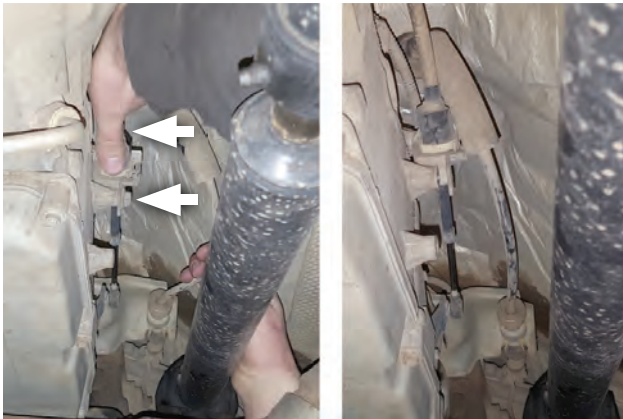
8. Unseat park-interlock cable connector from shifter assembly, release locking tab then disconnect cable and move it aside. Lift cable from notch under shifter.



11. Unseat gearshift cable connector from shifter assembly, disconnect cable then remove shifter from vehicle.



12. Under center controls, push shifter cable and grommet back through hole toward transmission tunnel.



13. Remove (x2 ea.) bolts securing shifter cable to transmission.

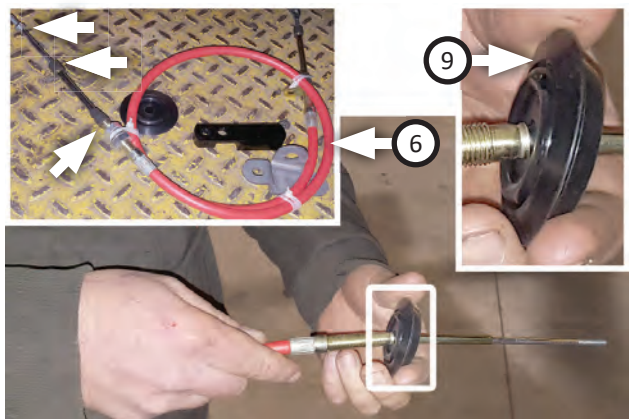


14. Remove shifter cable from transmission as shown.



15. Working in cab and under vehicle, thread shifter cable through hole into transmission tunnel and remove it from vehicle.

INSTALL CONSOLE PRO STICK SHIFTER:

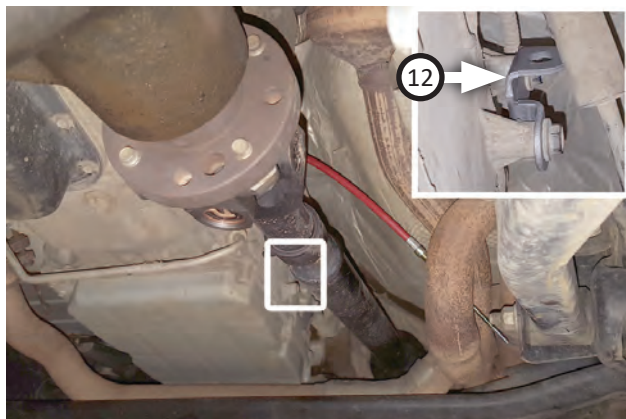


NOTE: Pay careful attention to orientation of cable weather seal relative to cable.

16. Remove parts from threaded end of **cable (6)**. Then press **cable weather seal (9)** onto cable.



17. Route threaded end of cable down through entry point in cab out to bottom side of vehicle.



18. Route cable end over transmission. Fasten **cable bracket (12)** onto transmission using bolts and washers (removed step 13).



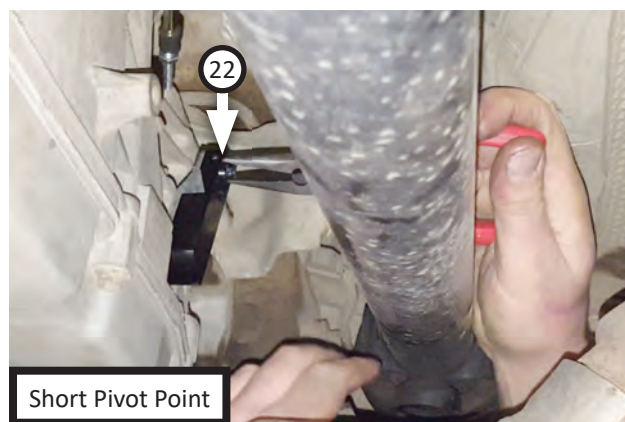
19. Thread nut and locking washer (removed step 16) onto shifter cable then insert cable through bracket.



20. Thread locking washer, **nut (7)**, cable cap and remaining nut onto cable as shown.



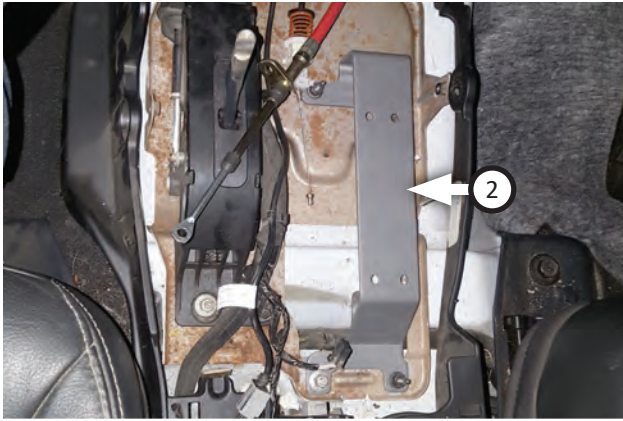
21. Thread (x3) **set screws (21)** almost fully into **cable lever adapter (11)**.



NOTE: Complete this step depending upon whether your pivot point on factory transmission lever is taller or shorter.

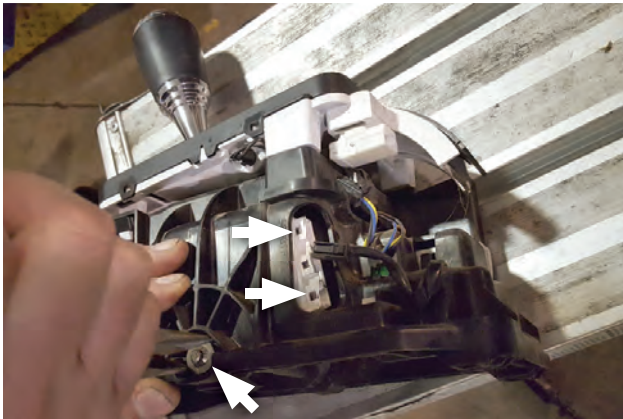
22. Place cable lever adapter onto transmission lever and secure it.

NOTE: Secure short pivot point using **retaining ring (22)** only. Secure tall pivot point using both **disk spring (23)** and **retaining ring (22)**.

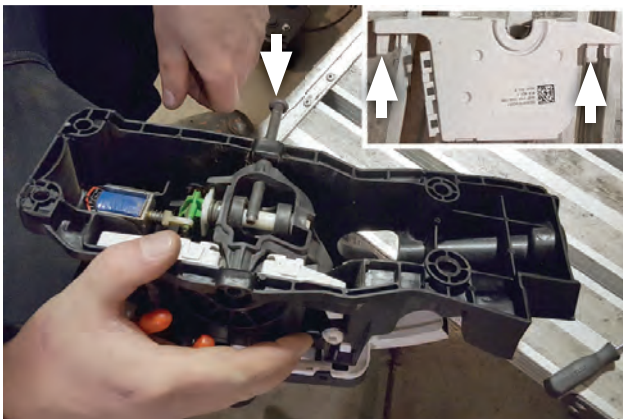


23. In vehicle cab, fully seat weather seal in floor then install **bracket (2)** onto transmission tunnel with (x4) nuts (removed steps 9-10).

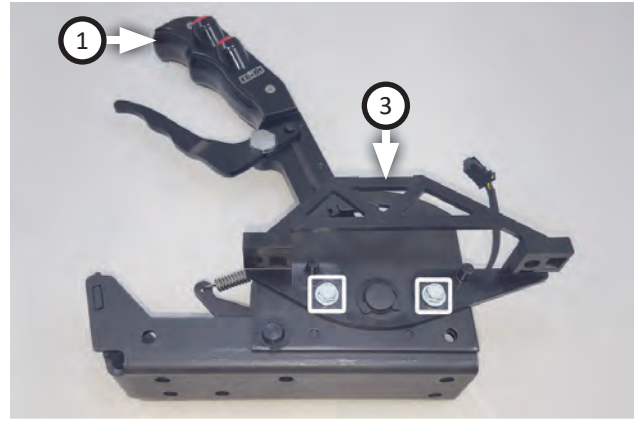
NOTE: Lift bracket, partially thread front right nut, followed by remaining nuts. Then fasten them all fully.



24. On a workbench, unplug (x2) connectors from your factory shifter assembly then remove push-on retaining ring from bottom securing assembly.



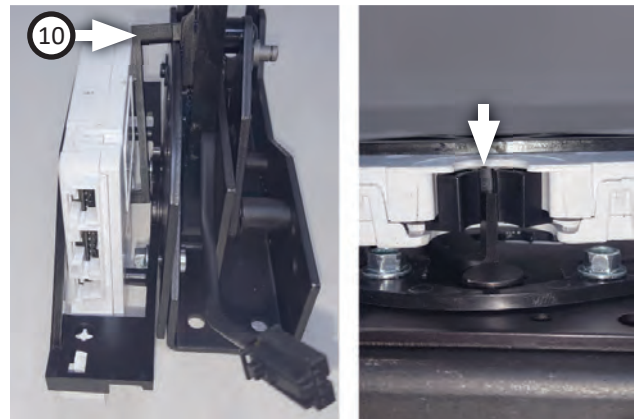
25. Remove pivot pin, then release (x2) tabs to disassemble PRND switch from factory shifter.



26. Remove (x2) screws from **shifter (1)** and use them to secure **switch bracket (3)**, oriented as shown. Leave screws loose to allow for later adjustment.



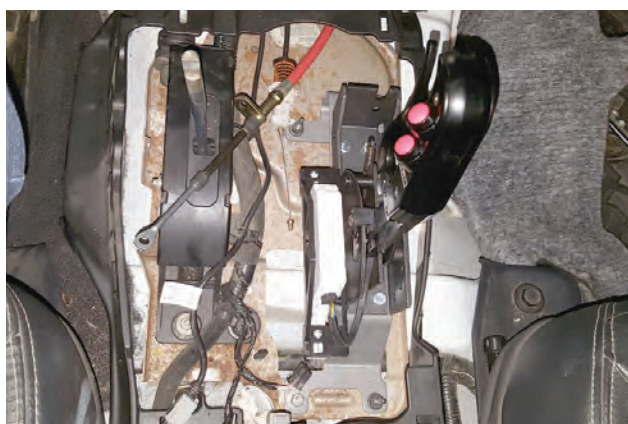
27. Press PRND switch into switch bracket until clips lock in.



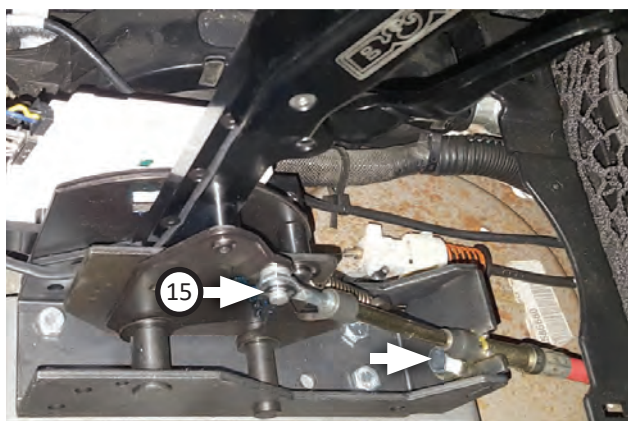
28. Insert **sensor pin (10)**, oriented sideways, down between bracket and PRND switch; then twist it so its bottom portion fits into slot.



29. Move sensor pin against front side of shifter, then insert **screw (24)** to secure it to stick. Plug in connector from shifter assembly. Bracket should remain loose for later adjustment.



30. In vehicle cab, install shifter to bracket using (x4 ea.) **hex screws (18)**, **split lock washers (19)** and **nuts (14)**.



31. Set shifter cable into notch and fasten it to shifter with **hex screw (13)** and **nut (14)**. Put shifter cable end onto shifter plate then secure it using **retainer ring (15)**.



32. Plug shifter connectors into console and shifter. Secure console back in place with fasteners (removed steps 5-6).



33. Set **cable pivot (16)** onto end of shifter cable then insert pivot into cable lever adapter.



34. Under vehicle, pull cable lever back twice to put it into neutral position. If necessary, thread cable pivot in or out until it fits down into cable lever. Make adjustments at bracket and adapter.

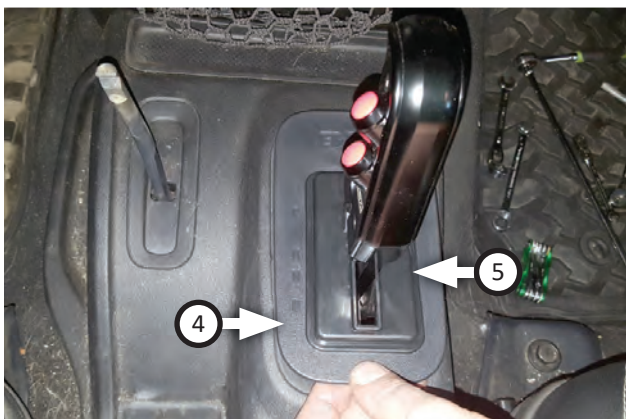
NOTE: Once adjustments under vehicle have been made, secure pivot to adapter with **cotter pin (17)**.



35. Verify cable and shifter positioning, making sure each gear has no bind except for "Park", which will have a small bind. Go through each gear multiple times until you are fully satisfied with operation of shifter. Fasten cables using (x2) **zip ties (20)**.

36. Verify that your gear displayed in dashboard matches each gear selected. If not, adjust PRND switch as necessary until it does, then completely tighten screws (installed step 27) to tighten parts.

NOTE: Do NOT proceed until you are completely satisfied with the operation of your shifter. Reference "Operating Console Pro Stick Shifter" section for additional help.



37. Set console cover (removed step 4) back into place. Place **top cover plate (4)** then **rubber boot (5)** over shifter stick, fit them together and press them fully into place.

OPERATING CONSOLE PRO STICK SHIFTER:

The B&M Console Pro Stick Shifter is designed with off-road utility specifically in mind. In particular, the gated shifter and trigger mechanism make selecting between certain gears easier which can help a driver traverse tough terrain.



- To use the manual shift function, put shifter into "Drive" then press buttons on side plate grip to shift up or down.
- Without engaging the trigger, you can shift easily between "Neutral" and "Drive".
- Fully engaging the trigger will allow shifting between "Drive" and "Reverse".
- Partially engage the trigger when shifting to park.



Congratulations, the installation of your B&M Console Pro Stick Shifter now complete!

