

QUARTERLY INSPECTIONS FOR SPEC DOUBLE GEAR CONTROL ASSEMBLY - PN 241050

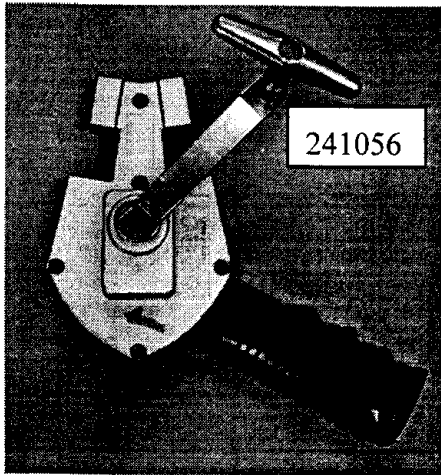
It is recommended that these step-by step procedures be conducted to disassemble and clean the control assembly on a quarterly basis and any time maintenance or repairs are required. For the purposes of this procedure, the return conduit and fittings that are at the top of the pistol (where the "expose" marking and arrows are) will be called the top conduit and top fittings. The drive conduit and fittings that are located at the bottom of the pistol (by the SPEC name) will be called the bottom conduit and bottom fittings.):

1. Remove the drive cable from the control assembly by cranking it out until it automatically stops.
CAUTION: Do not attempt to remove the entire drive cable at this time.
2. Cut off the first two (2) straps / tape at the pistol end of the control.
3. Unscrew the return conduit (top) from the pistol assembly. Conduits are attached to the pistol housing with a swivel adaptor to provide easy removal.
4. After the return conduit is removed from the pistol assembly, retract the drive cable approximately one (1) foot.
5. Remove the cable stop from the end of the drive cable by rotating the cable stop clockwise. The cable stop will unscrew from the coils (spirals) of the drive cable.
6. Crank the drive cable forward until it passes completely through the gear. Manually pull the remaining drive cable through the control adaptor.
7. Remove the drive conduit (bottom) from the control pistol by unscrewing (if necessary for repair).
8. Unscrew the control adaptor from the other end of the (bottom) conduit (if necessary for repair).
9. Disassemble, inspect and reassemble the pistol (see next page for diagrams).
 - A. Remove bolt and handle assembly (PN 241056) from pistol. Remove 5 cover plate screws (PN 501035) and nuts (PN 506017). Remove the cover plate assembly (PN241052) from the black housing (PN 241051) and flip it over to expose large gear (PN241059).
 - B. Pry large gear up and off of cover assembly. The gear should come off completely either with or without the lower bearing still attached. (The small sprocket is attached to the large gear and will pass through the bearing whether the bearing stays attached to the cover assembly or not.) Remove four small screws (PN 501034) and flip cover plate over. Remove small cover (PN 241057) to expose small gear (PN241060). Remove small gear.
 - C. Press or pull out bearings, one small (PN 241054) and 3 large (PN 241054). Inspect all parts for wear and replacement. SPEC recommends that all 4 bearings be replaced quarterly. Replace wear strip (PN241058) with a new strip whenever the pistol grip is disassembled for maintenance. The strip pops out and the replacement strip will snap back into place. Binding can occur if this strip is worn and not replaced on a timely basis.
 - D. For pistols that need to be retrofitted with the fitting 241061 or 241061-R with an ID of approximately 0.19", remove the top fitting and replace it with the new one. Put the original fitting to the side for return to SPEC.
 - E. Reassemble all parts in reverse order. Install blue locktite on all cover screws, to hold in place, before reinstalling large gear.
10. Replace the drive cable the above steps in the opposite order. Be sure to attach the cable stop. This stop is a regulatory requirement.

CAUTION: When reinstalling the drive cable into the pistol, make sure the crank arm is free to turn and push the drive cable by hand into the conduit until it passes completely through the gear. Manually cranking the handle before the drive cable has been pushed through one gear rotation may cause damage to the gear.

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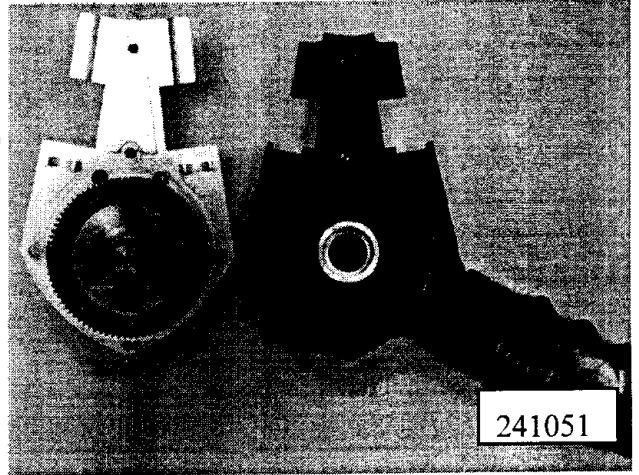
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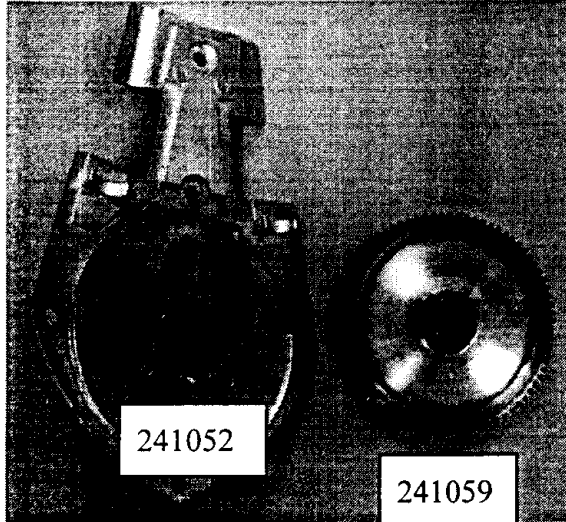
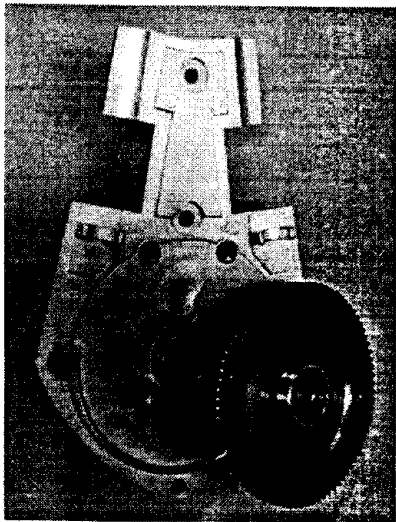
241056

At left, handle attached to pistol housing with cover plate screws (501035) and nuts (506017).

At right, cover plate (241052) with large gear (241059) and black pistol housing (241051) with wear strip (241058).



241051



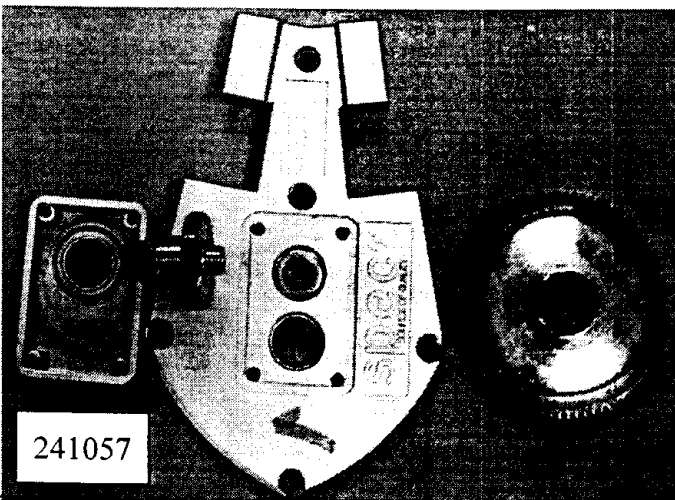
241052

241059

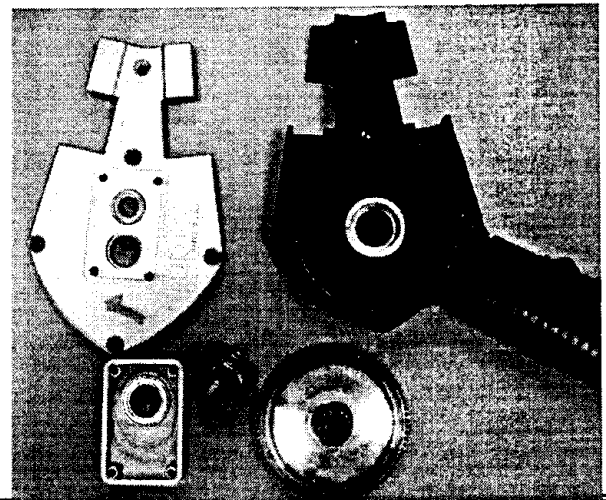
Far left, pry large gear (241059) with small sprocket attached off cover plate.

At left, remove 4 small cover screws (501034) then flip plate over. Large gear (241059) is pictured to the right of the cover plate.

Below left, from left to right, small cover (241057) with large bearing (241053), small gear (241060), cover plate with small (241054) and large (241053) bearings and large gear. Below right, cover plate, black housing with large bearing (241053), small cover, small gear and large gear.



241057



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