

SERVICE BULLETIN



Service Bulletin No.: DAC1-74-01 Rev 1

Date Issued: September 19, 2014

Title: Ignition Harness Routing

Page: 1 of 5

- 1. ATA Code:** 7420
- 2. Effectivity:** Diamond Aircraft Model DA20-C1 serial numbers C0001 to C0150.
- 3. General:**

This Service Bulletin addresses a revision of the ignition harness wiring to improve cold weather starting. The revision consists of switching the spark plug leads from the top to the bottom.

Revision 1 of this Service Bulletin removes references to a Teledyne Continental Special Service Instruction and revises the effectivity.
- 4. Compliance:** Compliance with this Service Bulletin is recommended.
- 5. Approval:** The engineering data referenced or contained in this Service Bulletin is approved as part of the type design.
- 6. Labour:** Approximately 2 hours will be required to accomplish this Service Bulletin.
This estimate is for direct labor performed by a technician and it does not include setup, planning, familiarization, cure time, part fabrication or tool acquisition.
- 7. Material:** All Material to be procured locally.
- 8. Special Tools:** Engraver (vibro peener)
- 9. References:** DA20-C1 Aircraft Maintenance Manual, Document # DA201-C1.
- 10. Accomplishment Instructions:**
 - 10.1** Remove the cable ties from the harness behind the engine (Note the locations).
 - 10.2** Drill a #10 diameter hole 1¼" forward and 1" down from the upper aft corner of the right baffle (Figure 1).
 - 10.3** Remove the cable clamp from location A and move it to the new location (Figure 1). The hole at location A may be sealed with suitable hardware or left open (cooling air leakage is negligible).
 - 10.4** Drill a #10 diameter hole 1" inboard and ½" up from lower left corner of the aft baffle (Figure 2).
 - 10.5** Remove the cable clamp from location B and move it to the new location (Figure 1). Use suitable hardware (Figure 2).
 - 10.6** Reinstall the valve cover retaining screw. Torque to 55-65 in.lbs.
 - 10.7** Install the cable ties on the harness behind the engine in the locations noted in step 10.1.
 - 10.8** Reroute the harness as shown in Figure 1 and 3.

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10.9 Re-identify the ignition harness as shown in Figures 1 and 3. Vibropeen an "X" through the original lead location and on an adjacent nut flat Vibropeen the new location. As an example, number 4 cylinder upper lead will be changed from "4T" to "4B".

10.10 Make a log book entry stating that this Service Bulletin has been incorporated.

11. Weight and Balance: The weight and balance is not affected.

12. Availability: Contact Diamond Aircraft Industries Inc.

13. Electrical Load Data: No impact on the electrical load.

14. Credit: None.

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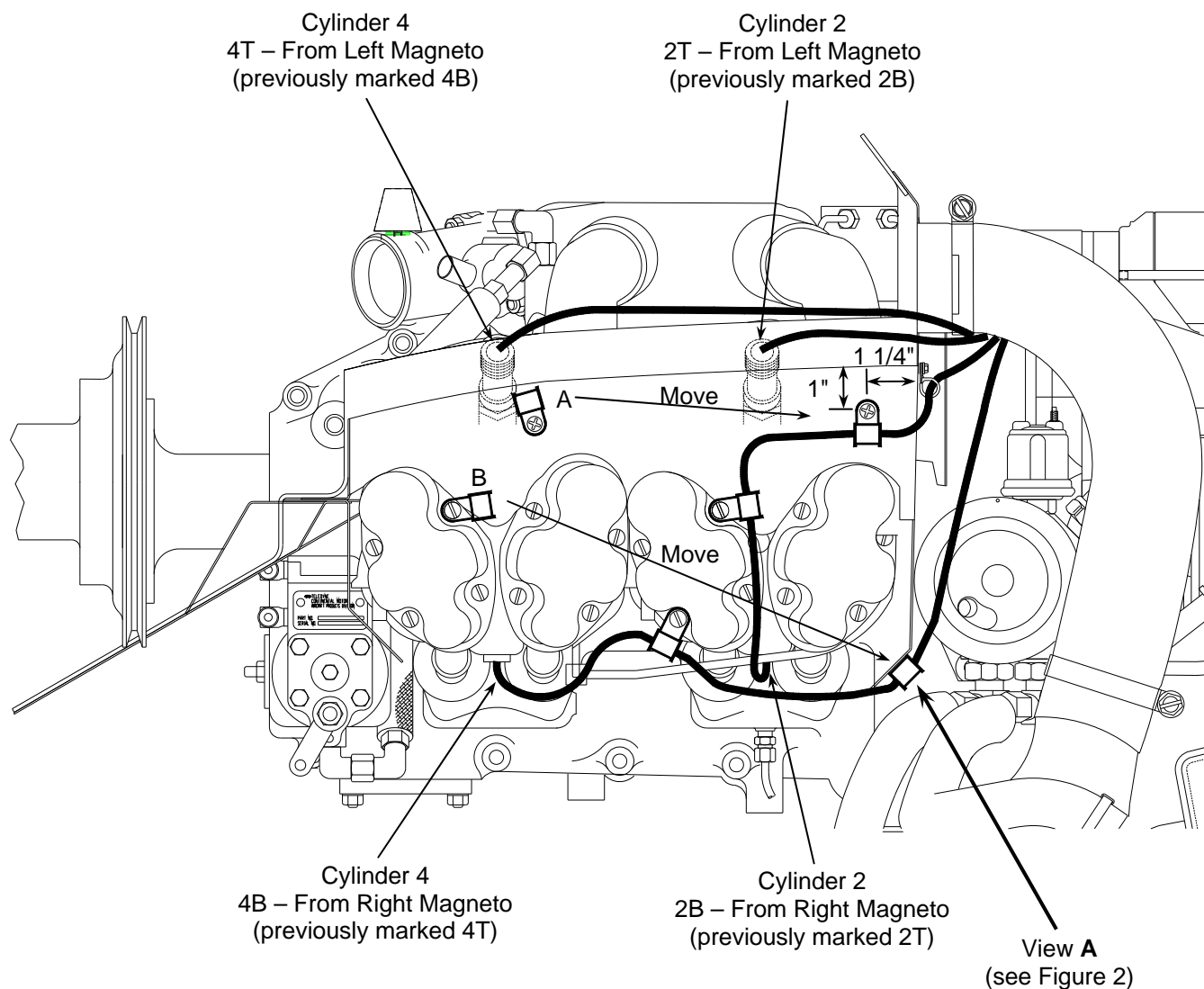


Figure 1
Left Side View of Engine

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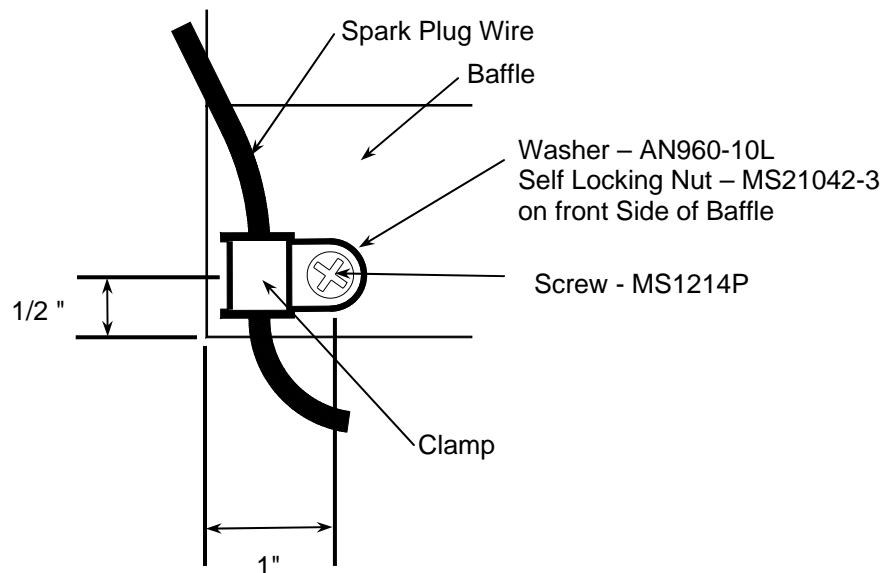


Figure 2
View **A** from Figure 1

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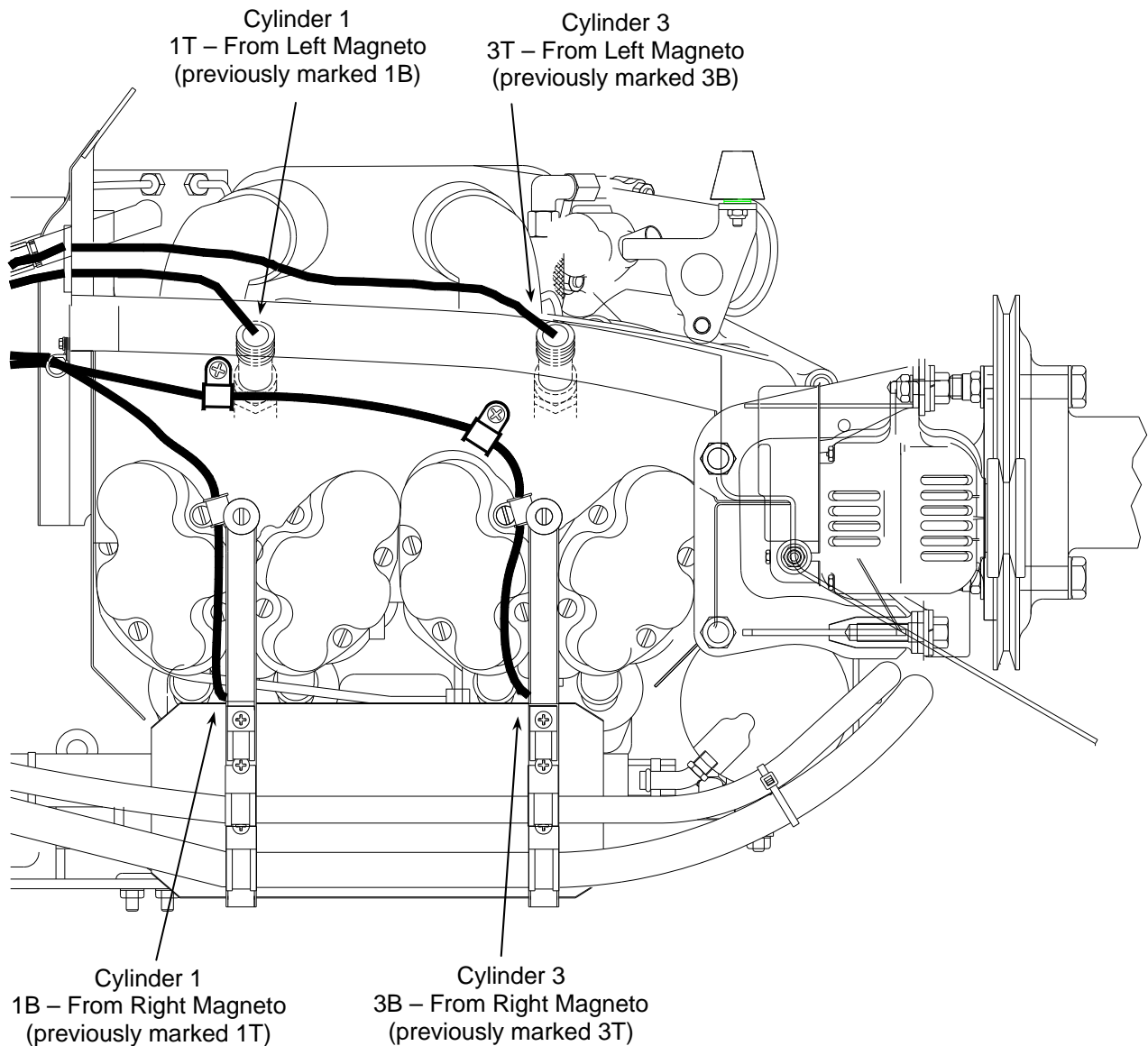


Figure 3
Right Side View of Engine